



TIBCO® Data Virtualization

Salesforce SSO Adapter Guide

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Salesforce with SSO Adapter

Salesforce with SSO Version Support

The adapter requires the Web Services API. The Web Services API is supported natively by Salesforce Enterprise, Unlimited, and Developer editions. The Web Services API may be enabled on Professional Edition at an additional cost by contacting Salesforce. The adapter defaults to version 56.0 of the Salesforce with SSO API. Later or earlier versions can be specified in the [APIVersion](#) property.

SQL Compliance

The [SQL Compliance](#) section shows the SQL syntax supported by the adapter and points out any limitations.

Getting Started

Connecting to Salesforce with SSO

[Basic Tab](#) shows how to authenticate to Salesforce with SSO and configure any necessary connection properties. Additional adapter capabilities can be configured using the available [Connection](#) properties on the Advanced tab. The Advanced Settings section shows how to set up more advanced configurations and troubleshoot connection errors.

Deploying the Salesforce with SSO Adapter

To deploy the adapter, you can execute the `server_util` utility via the command line by

1. Unzip the `tdv.salesforce.zip` file to the location of your choice.
2. Open a command prompt window.
3. Navigate to the `<TDV_install_dir>/bin`
4. Enter the `server_util` command with the `-deploy` option:

```
server_util -server <hostname> [-port <port>] -user <user> -
password <password> -deploy -package <TDV_install_
dir>/adapters/tdv.salesforce/tdv.salesforce.jar
```

Note: When deploying a build of an existing adapter, you will need to undeploy the existing adapter using the `server_util` command with the `-undeploy` option.

```
server_util -server <hostname> [-port <port>] -user <user> -password
<password> -undeploy -version 1 -name Salesforce
```

Basic Tab

Connecting to Salesforce with SSO

By default, the adapter connects to production environments. Set `UseSandbox` to **true** to use a Salesforce with SSO sandbox account. If you are using user/password authentication, ensure that you specify a sandbox username in `User`.

Authenticating to Salesforce with SSO

User Credentials and a Security Token

Set the `AuthScheme` to **Basic** and set the `User` and `Password` to your login credentials. Additionally, set the `SecurityToken`. By default, the `SecurityToken` is required, but you can make it optional by configuring a range of trusted IP addresses in Salesforce with SSO.

To disable the security token:

1. Log in to Salesforce and enter **Network Access** in the Quick Find box in the setup section.
2. Add your IP address to the list of trusted IP addresses.

To obtain the security token:

1. Open the personal information page on Salesforce.com.
2. Click the link to reset your security token. The token will be emailed to you.
3. Specify the security token in the `SecurityToken` connection property or append it to

the Password.

OAuth

AuthScheme must be set to **OAuth** in all user account flows.

Headless Machines

To configure the driver to use OAuth with a user account on a headless machine, you need to authenticate on another device that has an internet browser.

1. Choose one of two options:
 - Option 1: Obtain the OAuthVerifier value as described in "Obtain and Exchange a Verifier Code" below.
 - Option 2: Install the adapter on a machine with a browser and transfer the OAuth authentication values after you authenticate through the usual browser-based flow, as described in "Transfer OAuth Settings" below.
2. Then configure the adapter to automatically refresh the access token on the headless machine.

Option 1: Obtain and Exchange a Verifier Code

To obtain a verifier code, you must authenticate at the OAuth authorization URL.

Follow the steps below to authenticate from the machine with an internet browser and obtain the OAuthVerifier connection property.

1. Choose one of these options:
 - If you are using the Embedded OAuth Application click [Salesforce with SSO OAuth endpoint](#) to open the endpoint in your browser.
 - If you are using a Custom OAuthd Application, create the Authorization URL by setting the following properties:
 - InitiateOAuth: Set to **OFF**.
 - OAuthClientId: Set to the client Id assigned when you registered your application.

- OAuthClientSecret: Set to the client secret assigned when you registered your application.

Then call the `GetOAuthAuthorizationURL` stored procedure with the appropriate `CallbackURL`. Open the URL returned by the stored procedure in a browser.

2. Log in and grant permissions to the adapter. You are then redirected to the callback URL, which contains the verifier code.
3. Save the value of the verifier code. Later you will set this in the OAuthVerifier connection property.

Next, you need to exchange the OAuth verifier code for OAuth refresh and access tokens. Set the following properties:

On the headless machine, set the following connection properties to obtain the OAuth authentication values.

- InitiateOAuth: Set this to **REFRESH**.
- OAuthVerifier: Set this to the verifier code.
- OAuthClientId: (custom applications only) Set this to the client Id in your custom OAuth application settings.
- OAuthClientSecret: (custom applications only) Set this to the client secret in the custom OAuth application settings.
- OAuthSettingsLocation: Set this to persist the encrypted OAuth authentication values to the specified file.

After the OAuth settings file is generated, you need to re-set the following properties to connect:

- InitiateOAuth: Set this to **REFRESH**.
- OAuthClientId: (custom applications only) Set this to the client Id assigned when you registered your application.
- OAuthClientSecret: (custom applications only) Set this to the client secret assigned when you registered your application.
- OAuthSettingsLocation: Set this to the file containing the encrypted OAuth authentication values. Make sure this file gives read and write permissions to the adapter to enable the automatic refreshing of the access token.

Option 2: Transfer OAuth Settings

Prior to connecting on a headless machine, you need to install and create a connection with the driver on a device that supports an internet browser. Set the connection properties as described in "Desktop Applications" above.

After completing the instructions in "Desktop Applications", the resulting authentication values are encrypted and written to the path specified by OAuthSettingsLocation. The default filename is *OAuthSettings.txt*.

After you have successfully tested the connection, copy the OAuth settings file to your headless machine.

On the headless machine, set the following connection properties to connect to data:

- InitiateOAuth: Set this to **REFRESH**.
- OAuthClientId: (custom applications only) Set this to the client Id assigned when you registered your application.
- OAuthClientSecret: (custom applications only) Set this to the client secret assigned when you registered your application.
- OAuthSettingsLocation: Set this to the path to your OAuth settings file. Make sure this file gives read and write permissions to the adapter to enable the automatic refreshing of the access token.

OAuth Password Grant

Follow these steps to set up the Password Grant option:

1. Set the AuthScheme to **OAuthPassword** to perform authentication with the password grant type.
2. Set all the properties specified in either the web or desktop authentication sections above.
3. Set the User and Password to your login credentials, as well as the SecurityToken if required.

OAuthJWT Certificates

Set the AuthScheme to **OAuthJWT**.

OAuthJWT

To obtain the OAuthJWT consumer key:

1. Log in to Salesforce.com.
2. From Setup, enter **Apps** in the Quick Find box and then click the link to create an app. In the **Connected Apps** section of the resulting page, click **New**.
3. Enter a name to be displayed to users when they log in to grant permissions to your app, along with a contact Email address.
4. Click **Enable OAuth Settings** and enter a value in the **Callback URL** box. Set this value only to create the Connected App as it is required. It will not actually be needed for this type of authentication. The Callback URL is in the format:

```
http://localhost:8019/src/oauthCallback.rst
```

5. Enable **Use digital signatures**.
6. Upload your certificate.
7. Select the scope of permissions that your app should request from the user.
8. Click your app name to open a page with information about your app. The OAuth consumer key is displayed.

After creating your OAuth Application, set the following connection properties:

- AuthScheme: Set to **OAuthJWT**.
- InitiateOAuth: Set to **GETANDREFRESH**.
- OAuthJWTCert: Set this to the JWT Certificate store.
- OAuthJWTCertType: Set this to the type of the certificate store specified by OAuthJWTCert.
- OAuthJWTCertPassword: Set this to the Password of the JWT Certificate store.
- OAuthJWTIssuer: Set this to the OAuth Client ID.
- OAuthJWTSubject: Set this to the username (email address) to the permitted User Profile configured in the OAuth Connected App.

Note: This flow never issues a refresh token.

AzureAD

Set the AuthScheme to **AzureAD**. Use the following connection properties to connect to AzureAD:

- SSOExchangeUrl: The Salesforce OAuth 2.0 token endpoint for the identity provider. This can be found in the Salesforce account settings by navigating to **Administration Setup > Security Controls > SAML Single Sign-On Settings** and then choosing the desired organization.

Note that this configuration requires two AAD applications: the "Salesforce with SSO" application used for single sign-on, and a separate "connector" application with user_impersonation permission on the "Salesforce with SSO" application. You must also specify the OAuth connection properties:

- OAuthClientId: The application Id of the connector application, listed in the Overview section of the app registration.
- OAuthClientSecret: The client secret value of the connector application. Azure AD displays this when you create a new client secret.

Use the following SSOProperties to authenticate to AzureAD:

- Resource: The application Id URI of the Salesforce with SSO application, listed in the Overview section of the app registration. In most cases this is the URL of your custom Salesforce with SSO domain.
- AzureTenant: The Id of the Azure AD tenant where the applications are registered.

The following is an example connection string:

```
AuthScheme=AzureAD;InitiateOAuth=GETANDREFRESH;OAuthClientId=3ea1c786-
d527-4399-8c3b-
2e3696ae4b48;OAuthClientSecret=xxx;SSOProperties='Resource=https://examp
le.my.salesforce.com;AzureTenant=6ee709df-9de0-4cdf-10e6b7a51d95';
```

Okta

Set the AuthScheme to **Okta**. Use the following connection properties to connect to Okta:

- User: Set this to the Okta user.
- Password: Set this to Okta password for the user.

- SSOLoginURL: Set this to the login url used by the SSO provider.
- SSOExchangeUrl: The Salesforce OAuth 2.0 token endpoint for the identity provider. This can be found in the Salesforce account settings by navigating to **Administration Setup > Security Controls > SAML Single Sign-On Settings** and then choosing the desired organization.

You need the following SSOProperties to authenticate to Okta:

- APIToken (optional): Set this to the API Token that the customer created from the Okta org. You should use this when authenticating a user via a trusted application or proxy that overrides OKTA client request context.
- MFAType (optional): Set this only in case you have configured MFA flow. Currently we support only the following types: OktaVerify, Email, and SMS.
- MFAPassCode (optional): Set this only in case you have configured MFA flow. If this is set to empty/invalid the driver initially issues a MFA challenge that triggers the platform to send you a one-time password on your device or email, based on the configured MFA type. You need to re-issue another connection where the retrieved one-time password value is passed to MFAPassCode connection property.

The following is an example connection string:

```
AuthScheme=PingFederate;User=PingFederateUserName;Password=PingFederatePassword;URL='http://sharepointserver/mysite';
```

OneLogin

Set the AuthScheme to **OneLogin**. Use the following connection properties to connect to OneLogin:

- User: Set this to the OneLogin user.
- Password: Set this to OneLogin password for the user.
- SSOExchangeUrl: The Salesforce OAuth 2.0 token endpoint for the identity provider. This can be found in the Salesforce account settings by navigating to **Administration Setup > Security Controls > SAML Single Sign-On Settings** and then choosing the desired organization.

You need the following SSOProperties to authenticate to OneLogin:

- OAuthClientId: Set to the OAuthClientId, which you can obtain by selecting

Developers > API Credentials > Credential > ClientId.

- **OAuthClientSecret:** Set to the OAuthClientSecret, which you can obtain by selecting **Developers > API Credentials > Credential > ClientSecret.**
- **Subdomain:** Set to the subdomain of the OneLogin user accessing the SSO app. For example, if your OneLogin URL is splinkly.onelogin.com, enter splinkly as the subdomain value.
- **AppId:** Set to the Id of the SSO app.
- **Region (optional):** Set to the region your OneLogin account resides in. The OneLogin API operates in multiple regions and this property is used to find the correct domain. It can take one of the following values:
 - US (default)
 - EU

The following is an example connection string:

```
AuthScheme=OneLogin;User=OneLoginUserName;Password=OneLoginPassword;SSOP
roperties='OAuthClientID=3fc8394584f153ce3b7924d9cd4f686443a52b;OAuthCli
entSecret=ca9257fd5cc3277abb5818cea28c06fe9b3b285d73d06;Subdomain=OneLog
inSubDomain;AppId=1433920';
```

PingFederate

Set the AuthScheme to **PingFederate**. The following connection properties need to be set:

- User: Set this to the PingFederate user.
- Password: Set this to PingFederate password for the user.
- SSOLoginURL: Set this to the login url used by the SSO provider.
- SSOExchangeUrl: The Salesforce OAuth 2.0 token endpoint for the identity provider. This can be found in the Salesforce account settings by navigating to **Administration Setup > Security Controls > SAML Single Sign-On Settings** and then choosing the desired organization.

Among SSOProperties to authenticate to PingFederate:

- **AuthScheme (optional):** The authorization scheme to be used for the IdP endpoint. The allowed values for this IdP are None or Basic.

Additionally, you can use the following SSOProperties to configure mutual SSL

authentication for SSOLoginURL, the WS-Trust STS endpoint:

- SSLClientCert
- SSLClientCertType
- SSLClientCertSubject
- SSLClientCertPassword

Below is an example connection string:

```
AuthScheme=PingFederate;User=pingFederateUser;Password=pingFederatePassw
ord;SSOLoginURL='https://<authority>/idp/sts.wst';SSOExchangeUrl='https:
//domain.my.salesforce.com/services/oauth2/token?so=00D30000006JDF';
```

ADFS

Set the AuthScheme to **ADFS**. The following connection properties need to be set:

- User: Set this to the ADFS user.
- Password: Set this to ADFS password for the user.
- SSOLoginURL: Set this to the login url used by the SSO provider.
- SSOExchangeUrl: The Salesforce OAuth 2.0 token endpoint for the identity provider. This can be found in the Salesforce account settings by navigating to **Administration Setup > Security Controls > SAML Single Sign-On Settings** and then choosing the desired organization.

You need the following SSOProperties to authenticate to ADFS:

- RelyingParty: This attribute is the value of the Relying Party Identifier on the ADFS server for Salesforce with SSO.

Below is an example connection string:

```
AuthScheme=ADFS;User=username;Password=password;SSOLoginURL='https://sts
.company.com';SSOProperties='RelyingParty=https://saml.salesforce.com';
```

ADFS Integrated

The ADFS Integrated flow indicates you are connecting with the currently logged in Windows user credentials. To use the ADFS Integrated flow, do not specify the User and Password, but otherwise follow the same steps in the ADFS guide above.

Logging

The adapter uses TDV Server's logging (log4j) to generate log files. The settings within the TDV Server's logging (log4j) configuration file are used by the adapter to determine the type of messages to log. The following categories can be specified:

- Error: Only error messages are logged.
- Info: Both Error and Info messages are logged.
- Debug: Error, Info, and Debug messages are logged.

The Other property of the adapter can be used to set Verbosity to specify the amount of detail to be included in the log file, that is:

```
Verbosity=4;
```

You can use Verbosity to specify the amount of detail to include in the log within a category. The following verbosity levels are mapped to the log4j categories:

- 0 = Error
- 1-2 = Info
- 3-5 = Debug

For example, if the log4j category is set to DEBUG, the Verbosity option can be set to 3 for the minimum amount of debug information or 5 for the maximum amount of debug information.

Note that the log4j settings override the Verbosity level specified. The adapter never logs at a Verbosity level greater than what is configured in the log4j properties. In addition, if Verbosity is set to a level less than the log4j category configured, Verbosity defaults to the minimum value for that particular category. For example, if Verbosity is set to a value less than 3 and the Debug category is specified, the Verbosity defaults to 3.

The following list is an explanation of the Verbosity levels and the information that they log.

- 1 - Will log the query, the number of rows returned by it, the start of execution and the time taken, and any errors.
- 2 - Will log everything included in Verbosity 1 and HTTP headers.
- 3 - Will additionally log the body of the HTTP requests.

- 4 - Will additionally log transport-level communication with the data source. This includes SSL negotiation.
- 5 - Will additionally log communication with the data source and additional details that may be helpful in troubleshooting problems. This includes interface commands.

Configure Logging for the Salesforce with SSO Adapter

By default, logging is turned on without debugging. If debugging information is desired, uncomment the following line in the TDV Server's log4j.properties file (default location of this file is: C:\Program Files\TIBCO\TDV Server <version>\conf\server):

```
log4j.logger.com.cdata=DEBUG
```

The TDV Server must be restarted after changing the log4j.properties file, which can be accomplished by running the composite.bat script located at: C:\Program Files\TIBCO\TDV Server <version>\bin. Note that reauthenticating to the TDV Studio is required after restarting the server.

Here is an example of the calls:

```
.\composite.bat monitor restart
```

All logs for the adapter are written to the "cs_server_src.log" file as specified in the log4j properties.

Note: The "log4j.logger.com.cdata=DEBUG" option is not required if the **Debug Output Enabled** option is set to true within the TDV Studio. To set this option, navigate to **Administrator > Configuration**. Select **Server > Configuration > Debugging** and set the Debug Output Enabled option to **True**.

Creating a Custom OAuth App

If you do not have access to the user name and password or do not wish to require them, you can use OAuth authentication. Salesforce with SSO uses the OAuth authentication standard, which requires the authenticating user to interact with Salesforce with SSO via the browser. The adapter facilitates the OAuth exchange in various ways, as described in this section.

Create a Connected App

To obtain the OAuth client credentials, consumer key, and consumer secret:

1. Log in to Salesforce.com.
2. From Setup, enter **Apps** in the Quick Find box and then click the link to create an application. In the **Connected Apps** section of the resulting page, click **New**.
3. Enter a name to be displayed to users when they log in to grant permissions to your application, along with a contact Email address.
4. Click **Enable OAuth Settings** and enter a value in the **Callback URL** box. If you are making a desktop application, set the Callback URL to `http://localhost:33333` or a different port number of your choice. If you are making a web application, set the Callback URL to a page on your web application you want the user to be returned to after they have authorized your application.
5. Select the scope of permissions that your application should request from the user.
6. Click your application name to open a page with information about your application. The OAuth client credentials, the consumer key, and consumer secret are displayed.

Changelog

General Changes

Date	Build Number	Change Type	Description
01/06/2023	8406	Salesforce with SSO	Added <ul style="list-style-type: none"> Added support for RemoveBOMCharacter hidden connection property which if set to true, is used to remove the BOM character from the content.
12/14/2022	8383	General	Changed <ul style="list-style-type: none"> Added the Default column to the sys_

procedureparameters table.			
12/13/2022	8382	Salesforce with SSO	Added <ul style="list-style-type: none"> Added the IsQueryable column in sys_tables table which is useful to differentiate queryable objects when the ExposeNonQueryable connection property is set to true.
12/09/2022	8378	Salesforce with SSO	Removed <ul style="list-style-type: none"> Removed the OutputFolder parameter for the CreateReportSchema stored procedure. The Location connection property must be used to set the output directory for writing schemas to a file. Added <ul style="list-style-type: none"> Added the WriteToFile parameter for the CreateReportSchema and CreateSchema stored procedures. It defaults to true and specifies whether to write the contents of the generated schema to a file or not. Set it to false to write the schema to FileStream or FileData.
11/25/2022	8364	Salesforce with SSO	Added <ul style="list-style-type: none"> Added support for ExposeConceptualEntities connection property which is used to expose Salesforce objects' record types as tables.
11/18/2022	8357	Salesforce with SSO	Added <ul style="list-style-type: none"> Added support for ReplaceInvalidUTF8Chars connection property which is used to replace invalid UTF8 characters with a '?'.
11/11/2022	8350	Salesforce with SSO	Deprecated <ul style="list-style-type: none"> The SOQL input of the CreateSchema stored

			<p>procedure has been deprecated and will be removed in the next version. Instead, for running SOQL queries directly, the QueryPassthrough connection property should be set to true.</p>
11/04/2022	8348	Salesforce with SSO	<p>Changed</p> <ul style="list-style-type: none"> We have updated our SQL joins validation logic. We internally resolve and translate more SQL joins into salesforce relationship queries for faster and better performance.
10/27/2022	8335	Salesforce with SSO	<p>Changed</p> <ul style="list-style-type: none"> Changed the default Salesforce API Version to 56.
10/17/2022	8325	Salesforce with SSO	<p>Added</p> <ul style="list-style-type: none"> Added support for retrieving PickListValues only for a specific record type. RecordTypeId should be specified in the WHERE clause along TableName.
09/30/2022	8308	General	<p>Changed</p> <ul style="list-style-type: none"> Added the IsPath column to the sys_procedureparameters table.
09/28/2022	8306	Salesforce with SSO	<p>Added</p> <ul style="list-style-type: none"> Added the IsIdLookup column in sys_tablecolumns table.
09/20/2022	8298	Salesforce with SSO	<p>Added</p> <ul style="list-style-type: none"> Added the ContentDocumentId output for the UploadContentDocument stored procedure.
09/13/2022	8291	Salesforce with SSO	<p>Added</p>

			<ul style="list-style-type: none"> Added an option for directly executing SOQL queries. This mode is enabled by setting QueryPassthrough to true.
09/07/2022	8286	Salesforce with SSO	Added <ul style="list-style-type: none"> Added the State output for the GetJobBatchIds stored procedure and JobId output for the CreateBatch, GetBatch stored procedures.
08/26/2022	8273	Salesforce with SSO	Added <ul style="list-style-type: none"> Added the UseToolingAPI connection property.
08/25/2022	8272	Salesforce with SSO	Added <ul style="list-style-type: none"> Added the SupportNativeDataType connection property which if set to true, will report types using the original Salesforce data type with no translation to the generic type.
08/24/2022	8271	Salesforce with SSO	Changed <ul style="list-style-type: none"> Changed the default Salesforce API Version to 55.
08/17/2022	8264	General	Changed <ul style="list-style-type: none"> We now support handling the keyword "COLLATE" as standard function name as well.
05/19/2022	8174	Salesforce with SSO	Deprecated <ul style="list-style-type: none"> The OAuthGrantType connection property has been deprecated. Replacements <ul style="list-style-type: none"> The AuthScheme connection property will be

			used as a replacement for OAuthGrantType. Its new option OAuthPassword replaces OAuthGrantType=PASSWORD while OAuth replaces OAuthGrantType=CODE.
05/10/2022	8165	Salesforce with SSO	Added <ul style="list-style-type: none"> Added the Encoding input and FileData output for the DownloadAttachment, DownloadContentDocument, DownloadDocument stored procedures.
04/08/2022	8133	Salesforce with SSO	Changed <ul style="list-style-type: none"> Changed the default Salesforce API Version to 54.
02/09/2022	8075	Salesforce with SSO	Added <ul style="list-style-type: none"> Added support for the PolymorphicColumnsRelationships table, which lists tables and columns details of polymorphic relationships.
02/08/2022	8074	Salesforce with SSO	Added <ul style="list-style-type: none"> Added support for the AggregateCompoundFieldsFormat connection property. This property controls the format of the compound fields that will be aggregated. It accepts two values: JSON (default) and NONE. Changed <ul style="list-style-type: none"> Changed aggregate compound fields format to JSON for when the connection property AggregateCompoundFields is set to true. The format of the compound fields can be controlled with the AggregateCompoundFieldsFormat connection property.

02/01/2022	8067	Salesforce with SSO	Changed <ul style="list-style-type: none"> Changed the default Salesforce API Version to 53.
12/31/2021	8035	Salesforce with SSO	Changed <ul style="list-style-type: none"> Due to a recent improvement we have replaced the instance url format in the OAuthSettings.txt file. If possible, we advise users to remove the existing OAuthSettings.txt file and reissue a new connection.
11/18/2021	7992	Salesforce with SSO	Added <ul style="list-style-type: none"> Added support for persisting the session token retrieved with OKTA MFA. These tokens are short lived and expire after two hours. At that point, the driver will send a request for a new MFAPasscode which should be reissued in a new connection. Retrieve your MFA Token from you phone, email, or other method you have configured with OKTA to handle MFA. Added support for the CredentialsLocation connection property which specifies the location of the settings file where the token retrieved with OKTA MFA is saved. This works the same as the OAuthSettingsLocation.
09/02/2021	7915	General	Added <ul style="list-style-type: none"> Added support for the STRING_SPLIT table-valued function in the CROSS APPLY clause.
08/07/2021	7889	General	Changed <ul style="list-style-type: none"> Added the KeySeq column to the sys_foreignkeys table.
08/06/2021	7888	General	Changed

			<ul style="list-style-type: none"> Added the new sys_primarykeys system table.
07/23/2021	7874	General	<p>Changed</p> <ul style="list-style-type: none"> Updated the Literal Function Names for relative date/datetime functions. Previously relative date/datetime functions resolved to a different value when used in the projection vs te predicate. Ie: SELECT LAST_MONTH() AS lm, Col FROM Table WHERE Col > LAST_MONTH(). Formerly the two LAST_MONTH() methods would resolve to different datetimes. Now they will match. As a replacement for the previous behavior, the relative date/datetime functions in the criteria may have an 'L' appended to them. Ie: WHERE col > L_LAST_MONTH(). This will continue to resolve to the same values that previously were calculated in the criteria. Note that the "L_" prefix will only work in the predicate - it not available for the projection.
07/13/2021	7864	Salesforce with SSO	<p>Added</p> <ul style="list-style-type: none"> Added support for CUD operations on polymorphic fields.
07/08/2021	7859	General	<p>Added</p> <ul style="list-style-type: none"> Added the TCP Logging Module for the logging information happening on the TCP wire protocol. The transport bytes that are incoming and ongoing will be logged at verbosity=5.
06/17/2021	7838	Salesforce with SSO	<p>Added</p> <ul style="list-style-type: none"> Added support for OAuth JWT.

06/11/2021	7832	Salesforce with SSO	Changed <ul style="list-style-type: none"> • Bulk queries use a new downloader when running against API v1. The new downloader downloads and process chunks of result data in parallel and uses temporary files to store data that has not yet been processed. It is both faster and more resilient against slower readers than the previous download mechanism. • The BulkAPIVersion property is hidden. It's not recommended for users to set this property since bulk API v2 is slower and has fewer features.
05/20/2021	7810	Salesforce with SSO	Changed <ul style="list-style-type: none"> • Added support for GETDELETED to the ContentDocument and ContentVersion tables.
04/23/2021	7785	General	Added <ul style="list-style-type: none"> • Added support for handling client side formulas during insert / update. For example: UPDATE Table SET Col1 = Concat(Col1, " - ", Col2) WHERE Col2 LIKE 'A%'
04/23/2021	7783	General	Changed <ul style="list-style-type: none"> • Updated how display sizes are determined for varchar primary key and foreign key columns so they will match the reported length of the column.
04/16/2021	7776	General	Added <ul style="list-style-type: none"> • Non-conditional updates between two columns is now available to all drivers. For example: UPDATE Table SET Col1=Col2 Changed

			<ul style="list-style-type: none"> • Reduced the length to 255 for varchar primary key and foreign key columns. • Updated implicit and metadata caching to improve performance and support for multiple connections. Old metadata caches are not compatible - you would need to generate new metadata caches if you are currently using CacheMetadata. • Updated index naming convention to avoid duplicates • Updated and standardized Getting Started connection help. • Added the Advanced Features section to the help of all drivers. • Categorized connection property listings in the help for all editions.
04/15 /2021	7775	General	<p>Changed</p> <ul style="list-style-type: none"> • Kerberos authentication is updated to use TCP by default, but will fall back to UDP if a TCP connection cannot be established
04/13/2021	7773	Salesforce with SSO	<p>Changed</p> <ul style="list-style-type: none"> • The OneLogin method we used previously has been deprecated by OneLogin. We have updated our design to use the latest version of the OneLogin API, which now requires a separate OAuthClientId and OAuthClientSecret associated with your OneLogin app to be passed in through SSOProperties. The APIKey that was formerly passed in through SSOProperties for OneLogin is removed. • OneLogin also no longer uses SSOLoginURL. Instead, Subdomain and AppId should be specified inside the SSOProperties.

04/07/2021	7767	Salesforce with SSO	Added <ul style="list-style-type: none"> Added GetLimitInfo stored procedure.
03/31/2021	7760	Salesforce with SSO	Deprecated <ul style="list-style-type: none"> IdpURL, AppEmbedLink, OktaAppEmbedLink, OktaDomain, IdpSystemPassword, SSOUser, SSOPassword, IdPPassword, IdpSystemUserName, IdpUser, OneLoginAPIKey, OktaApiToken, IdpSystemScheme, IdPSystemSSLClientCert, IdPSystemSSLClientCertType, IdPSystemSSLClientCertSubject, IdPSystemSSLClientCertPassword, and SSOTokenURL are deprecated.

Replacements

- Deprecated the SSOTokenURL connection property. Instead SSOExchangeTokenURL should be used to specify the endpoint for exchanging SAML token with an oauth token.
- IdpURL is replaced by SSOLoginURL.
- The OktaDomain longer needs to be specified for any SSO connections as it can be extracted from SSOLoginURL.
- SSOLoginURL replaces OktaAppEmbedLink and AppEmbedLink as it is more generic and applicable to other SSO providers.
- SSOUser, SSOPassword, IdpUser, IdpPassword, IdpSystemUserName, IdpSystemPassword are replaced with the User / Password connection properties.
- OneLoginAPIKey and OktaApiToken are replaced by APIToken.
- IdPSystemSSLClientCert, IdPSystemSSLClientCertType, IdPSystemSSLClientCertSubject,

			IdPSystemSSLClientCertPassword are replaced with the standard SSL cert connection properties.
12/16/2020	7655	Salesforce with SSO	Added <ul style="list-style-type: none"> Added an embedded OAuth app.
12/11/2020	7650	Salesforce with SSO	Added <ul style="list-style-type: none"> Added OrderItemsRest table by implementing the two endpoints from the Place Order REST API: https://developer.salesforce.com/docs/atlas.en-us.api_placeorder.meta/api_placeorder/sforce_placeorder_rest_api_add_orderprod.htm https://developer.salesforce.com/docs/atlas.en-us.api_placeorder.meta/api_placeorder/sforce_placeorder_rest_api_get_details_order.htm The table can be enabled with the EnablePlaceOrderRESTAPI connection property.
11/02/2020	7611	Salesforce with SSO	Changed <ul style="list-style-type: none"> Changed the default Salesforce API Version to 50.

Advanced Features

This section details a selection of advanced features of the Salesforce with SSO adapter.

User Defined Views

The adapter allows you to define virtual tables, called *user defined views*, whose contents are decided by a pre-configured query. These views are useful when you cannot directly control queries being issued to the drivers. See [User Defined Views](#) for an overview of creating and configuring custom views.

SSL Configuration

Use [SSL Configuration](#) to adjust how adapter handles TLS/SSL certificate negotiations. You can choose from various certificate formats; see the [SSLServerCert](#) property under "Connection String Options" for more information.

Firewall and Proxy

Configure the adapter for compliance with [Firewall and Proxy](#), including Windows proxies and HTTP proxies. You can also set up tunnel connections.

Query Processing

The adapter offloads as much of the SELECT statement processing as possible to Salesforce with SSO and then processes the rest of the query in memory (client-side).

See [Query Processing](#) for more information.

Logging

See [Logging](#) for an overview of configuration settings that can be used to refine CData logging. For basic logging, you only need to set two connection properties, but there are numerous features that support more refined logging, where you can select subsets of information to be logged using the [LogModules](#) connection property.

User Defined Views

The Salesforce with SSO Adapter allows you to define a virtual table whose contents are decided by a pre-configured query. These are called *User Defined Views*, which are useful in situations where you cannot directly control the query being issued to the driver, e.g. when using the driver from a tool. The User Defined Views can be used to define predicates that are always applied. If you specify additional predicates in the query to the view, they are combined with the query already defined as part of the view.

There are two ways to create user defined views:

- Create a JSON-formatted configuration file defining the views you want.
- DDL statements.

Defining Views Using a Configuration File

User Defined Views are defined in a JSON-formatted configuration file called *UserDefinedViews.json*. The adapter automatically detects the views specified in this file.

You can also have multiple view definitions and control them using the UserDefinedViews connection property. When you use this property, only the specified views are seen by the adapter.

This User Defined View configuration file is formatted as follows:

- Each root element defines the name of a view.
- Each root element contains a child element, called **query**, which contains the custom SQL query for the view.

For example:

```
{
  "MyView": {
    "query": "SELECT * FROM Account WHERE MyColumn = 'value'"
  },
  "MyView2": {
    "query": "SELECT * FROM MyTable WHERE Id IN (1,2,3)"
  }
}
```

Use the UserDefinedViews connection property to specify the location of your JSON configuration file. For example:

```
"UserDefinedViews",
"C:\\Users\\yourusername\\Desktop\\tmp\\UserDefinedViews.json"
```

Defining Views Using DDL Statements

The adapter is also capable of creating and altering the schema via DDL Statements such as CREATE LOCAL VIEW, ALTER LOCAL VIEW, and DROP LOCAL VIEW.

Create a View

To create a new view using DDL statements, provide the view name and query as follows:

```
CREATE LOCAL VIEW [MyViewName] AS SELECT * FROM Customers LIMIT 20;
```

If no JSON file exists, the above code creates one. The view is then created in the JSON configuration file and is now discoverable. The JSON file location is specified by the UserDefinedViews connection property.

Alter a View

To alter an existing view, provide the name of an existing view alongside the new query you would like to use instead:

```
ALTER LOCAL VIEW [MyViewName] AS SELECT * FROM Customers WHERE  
TimeModified > '3/1/2020';
```

The view is then updated in the JSON configuration file.

Drop a View

To drop an existing view, provide the name of an existing schema alongside the new query you would like to use instead.

```
DROP LOCAL VIEW [MyViewName]
```

This removes the view from the JSON configuration file. It can no longer be queried.

Schema for User Defined Views

User Defined Views are exposed in the **UserViews** schema by default. This is done to avoid the view's name clashing with an actual entity in the data model. You can change the name of the schema used for UserViews by setting the UserViewsSchemaName property.

Working with User Defined Views

For example, a SQL statement with a User Defined View called *UserViews.RCustomers* only lists customers in Raleigh:

```
SELECT * FROM Customers WHERE City = 'Raleigh';
```

An example of a query to the driver:

```
SELECT * FROM UserViews.RCustomers WHERE Status = 'Active';
```

Resulting in the effective query to the source:

```
SELECT * FROM Customers WHERE City = 'Raleigh' AND Status = 'Active';
```

That is a very simple example of a query to a User Defined View that is effectively a combination of the view query and the view definition. It is possible to compose these queries in much more complex patterns. All SQL operations are allowed in both queries and are combined when appropriate.

SSL Configuration

Customizing the SSL Configuration

By default, the adapter attempts to negotiate SSL/TLS by checking the server's certificate against the system's trusted certificate store.

To specify another certificate, see the [SSLServerCert](#) property for the available formats to do so.

Firewall and Proxy

Connecting Through a Firewall or Proxy

HTTP Proxies

To connect through the Windows system proxy, you do not need to set any additional connection properties. To connect to other proxies, set [ProxyAutoDetect](#) to false.

In addition, to authenticate to an HTTP proxy, set [ProxyAuthScheme](#), [ProxyUser](#), and [ProxyPassword](#), in addition to [ProxyServer](#) and [ProxyPort](#).

Other Proxies

Set the following properties:

- To use a proxy-based firewall, set [FirewallType](#), [FirewallServer](#), and [FirewallPort](#).
- To tunnel the connection, set [FirewallType](#) to TUNNEL.

- To authenticate, specify FirewallUser and FirewallPassword.
- To authenticate to a SOCKS proxy, additionally set FirewallType to SOCKS5.

Query Processing

Query Processing

CData has a client-side SQL engine built into the adapter library. This enables support for the full capabilities that SQL-92 offers, including filters, aggregations, functions, etc.

For sources that do not support SQL-92, the adapter offloads as much of SQL statement processing as possible to Salesforce with SSO and then processes the rest of the query in memory (client-side). This results in optimal performance.

For data sources with limited query capabilities, the adapter handles transformations of the SQL query to make it simpler for the adapter. The goal is to make smart decisions based on the query capabilities of the data source to push down as much of the computation as possible. The Salesforce with SSO Query Evaluation component examines SQL queries and returns information indicating what parts of the query the adapter is not capable of executing natively.

The Salesforce with SSO Query Slicer component is used in more specific cases to separate a single query into multiple independent queries. The client-side Query Engine makes decisions about simplifying queries, breaking queries into multiple queries, and pushing down or computing aggregations on the client-side while minimizing the size of the result set.

There's a significant trade-off in evaluating queries, even partially, client-side. There are always queries that are impossible to execute efficiently in this model, and some can be particularly expensive to compute in this manner. CData always pushes down as much of the query as is feasible for the data source to generate the most efficient query possible and provide the most flexible query capabilities.

More Information

For a full discussion of how CData handles query processing, see [CData Architecture: Query Execution](#).

Logging

Capturing adapter logging can be very helpful when diagnosing error messages or other unexpected behavior.

Basic Logging

You will simply need to set two connection properties to begin capturing adapter logging.

- Logfile: A filepath which designates the name and location of the log file.
- Verbosity: This is a numerical value (1-5) that determines the amount of detail in the log. See the page in the Connection Properties section for an explanation of the five levels.
- MaxLogFileSize: When the limit is hit, a new log is created in the same folder with the date and time appended to the end. The default limit is 100 MB. Values lower than 100 kB will use 100 kB as the value instead.
- MaxLogFileCount: A string specifying the maximum file count of log files. When the limit is hit, a new log is created in the same folder with the date and time appended to the end and the oldest log file will be deleted. Minimum supported value is 2. A value of 0 or a negative value indicates no limit on the count.

Once this property is set, the adapter will populate the log file as it carries out various tasks, such as when authentication is performed or queries are executed. If the specified file doesn't already exist, it will be created.

Log Verbosity

The verbosity level determines the amount of detail that the adapter reports to the Logfile. Verbosity levels from 1 to 5 are supported. These are described in the following list:

-
- | | |
|---|---|
| 1 | Setting <u>Verbosity</u> to 1 will log the query, the number of rows returned by it, the start of execution and the time taken, and any errors. |
|---|---|
-
- | | |
|---|--|
| 2 | Setting <u>Verbosity</u> to 2 will log everything included in <u>Verbosity</u> 1 and additional information about the request. |
|---|--|
-
- | | |
|---|--|
| 3 | Setting <u>Verbosity</u> to 3 will additionally log HTTP headers, as well as the body of the request and the response. |
|---|--|
-
- | | |
|---|---|
| 4 | Setting <u>Verbosity</u> to 4 will additionally log transport-level communication with the data |
|---|---|
-

source. This includes SSL negotiation.

- 5 Setting Verbosity to 5 will additionally log communication with the data source and additional details that may be helpful in troubleshooting problems. This includes interface commands.
-

The Verbosity should not be set to greater than 1 for normal operation. Substantial amounts of data can be logged at higher verbosity levels, which can delay execution times.

To refine the logged content further by showing/hiding specific categories of information, see LogModules.

Sensitive Data

Verbosity levels 3 and higher may capture information that you do not want shared outside of your organization. The following lists information of concern for each level:

- Verbosity 3: The full body of the request and the response, which includes all the data returned by the adapter
- Verbosity 4: SSL certificates
- Verbosity 5: Any extra transfer data not included at Verbosity 3, such as non human-readable binary transfer data

Best Practices for Data Security

Although we mask sensitive values, such as passwords, in the connection string and any request in the log, it is always best practice to review the logs for any sensitive information before sharing outside your organization.

Java Logging

When Java logging is enabled in Logfile, the Verbosity will instead map to the following logging levels.

- 0: Level.WARNING
- 1: Level.INFO
- 2: Level.CONFIG

- 3: Level.FINE
- 4: Level.FINER
- 5: Level.FINEST

Advanced Logging

You may want to refine the exact information that is recorded to the log file. This can be accomplished using the LogModules property.

This property allows you to filter the logging using a semicolon-separated list of logging modules.

All modules are four characters long. **Please note that modules containing three letters have a required trailing blank space.** The available modules are:

- **EXEC**: Query Execution. Includes execution messages for original SQL queries, parsed SQL queries, and normalized SQL queries. Query and page success/failure messages appear here as well.
- **INFO**: General Information. Includes the connection string, driver version (build number), and initial connection messages.
- **HTTP**: HTTP Protocol messages. Includes HTTP requests/responses (including POST messages), as well as Kerberos related messages.
- **SSL** : SSL certificate messages.
- **OAUT**: OAuth related failure/success messages.
- **SQL** : Includes SQL transactions, SQL bulk transfer messages, and SQL result set messages.
- **META**: Metadata cache and schema messages.
- **TCP** : Incoming and Ongoing raw bytes on TCP transport layer messages.

An example value for this property would be.

```
LogModules=INFO;EXEC;SSL ;SQL ;META;
```

Note that these modules refine the information as it is pulled after taking the Verbosity into account.

SQL Compliance

The Salesforce with SSO Adapter supports several operations on data, including querying, deleting, modifying, and inserting.

SELECT Statements

See [SELECT Statements](#) for a syntax reference and examples.

See [Data Model](#) for information on the capabilities of the Salesforce with SSO API.

INSERT Statements

See [INSERT Statements](#) for a syntax reference and examples, as well as retrieving the new records' Ids.

UPDATE Statements

The primary key Id is required to update a record. See [UPDATE Statements](#) for a syntax reference and examples.

UPSERT Statements

An UPSERT updates a record if it exists and inserts the record if it does not. See [UPSERT Statements](#) for a syntax reference and examples.

DELETE Statements

The primary key Id is required to delete a record. See [DELETE Statements](#) for a syntax reference and examples.

CREATE TABLE Statements

See [CREATE TABLE Statements](#) for a syntax reference and examples.

DROP TABLE Statements

See [DROP TABLE Statements](#) for a syntax reference and examples.

ALTER TABLE Statements

See [ALTER TABLE Statements](#) for a syntax reference and examples.

GETDELETED Statements

GETDELETED statements return the Ids of deleted records. See [GETDELETED Statements](#) for a syntax reference and examples.

EXECUTE Statements

Use EXECUTE or EXEC statements to execute stored procedures. See [EXECUTE Statements](#) for a syntax reference and examples.

Names and Quoting

- Table and column names are considered identifier names; as such, they are restricted to the following characters: [A-Z, a-z, 0-9, _:@].
- To use a table or column name with characters not listed above, the name must be quoted using double quotes ("name") in any SQL statement.
- Strings must be quoted using single quotes (e.g., 'John Doe').

SELECT Statements

A SELECT statement can consist of the following basic clauses.

- SELECT
- INTO
- FROM
- JOIN
- WHERE
- GROUP BY
- HAVING
- UNION

- ORDER BY
- LIMIT

SELECT Syntax

The following syntax diagram outlines the syntax supported by the Salesforce with SSO adapter:

```

SELECT {
  [ TOP <numeric_literal> ]
  {
    *
    | {
        <expression> [ [ AS ] <column_reference> ]
        | { <table_name> | <correlation_name> } .*
      } [ , ... ]
    }
  [ INTO csv:// [ filename= ] <file_path> [ ;delimiter=tab ] ]
  {
    FROM <table_reference> [ [ AS ] <identifier> ]
  } [ , ... ]
  [ [
    INNER | { { LEFT | RIGHT | FULL } [ OUTER ] }
    ] JOIN <table_reference> [ ON <search_condition> ] [ [ AS ]
<identifier> ]
  ] [ ... ]
  [ WHERE <search_condition> ]
  [ GROUP BY <column_reference> [ , ... ]
  [ HAVING <search_condition> ]
  [
    ORDER BY
    <column_reference> [ ASC | DESC ] [ NULLS FIRST | NULLS LAST ]
  ]
  [
    LIMIT <expression>
  ]
} | SCOPE_IDENTITY()
<expression> ::=
  | <column_reference>
  | @ <parameter>
  | ?
  | COUNT( * | { [ DISTINCT ] <expression> } )
  | { AVG | MAX | MIN | SUM | COUNT } ( <expression> )
  | NULLIF ( <expression> , <expression> )
  | COALESCE ( <expression> , ... )
  | CASE <expression>

```

```

        WHEN { <expression> | <search_condition> } THEN { <expression> |
NULL } [ ... ]
    [ ELSE { <expression> | NULL } ]
    END
    | <literal>
    | <sql_function>
<search_condition> ::=
{
    <expression> { = | > | < | >= | <= | <> | != | LIKE | NOT LIKE |
IS NULL | IS NOT NULL | IN | NOT IN | AND | OR } [ <expression> ]
} [ { AND | OR } ... ]

```

Examples

1. Return all columns:

```
SELECT * FROM Account
```

2. Rename a column:

```
SELECT "Name" AS MY_Name FROM Account
```

3. Cast a column's data as a different data type:

```
SELECT CAST(AnnualRevenue AS VARCHAR) AS Str_AnnualRevenue FROM
Account
```

4. Search data:

```
SELECT * FROM Account WHERE Industry = 'Floppy Disks'
```

5. The Salesforce with SSO APIs support the following operators in the WHERE clause: =, >, <, >=, <=, <>, !=, LIKE, NOT LIKE, IS NULL, IS NOT NULL, IN, NOT IN, AND, OR.

```
SELECT * FROM Account WHERE Industry = 'Floppy Disks';
```

6. Return the number of items matching the query criteria:

```
SELECT COUNT(*) AS MyCount FROM Account
```

7. Return the number of unique items matching the query criteria:

```
SELECT COUNT(DISTINCT Name) FROM Account
```

8. Summarize data:

```
SELECT Name, MAX(AnnualRevenue) FROM Account GROUP BY Name
```

See [Aggregate Functions](#) for details.

9. Retrieve data from multiple tables.

```
SELECT Account.Id, Account.Name, Account.Fax,
Opportunity.AccountId, Opportunity.CloseDate FROM Account INNER
JOIN Opportunity ON Account.Id = Opportunity.AccountId
```

See [JOIN Queries](#) for details.

10. Sort a result set in ascending order:

```
SELECT BillingState, Name FROM Account ORDER BY Name ASC
```

Aggregate Functions

Examples of Aggregate Functions

Below are several examples of SQL aggregate functions. You can use these with a GROUP BY clause to aggregate rows based on the specified GROUP BY criterion. This can be a reporting tool.

COUNT

Returns the number of rows matching the query criteria.

```
SELECT COUNT(*) FROM Account WHERE Industry = 'Floppy Disks'
```

COUNT(DISTINCT)

Returns the number of distinct, non-null field values matching the query criteria.

```
SELECT COUNT(DISTINCT BillingState) AS DistinctValues FROM Account WHERE  
Industry = 'Floppy Disks'
```

AVG

Returns the average of the column values.

```
SELECT Name, AVG(AnnualRevenue) FROM Account WHERE Industry = 'Floppy  
Disks' GROUP BY Name
```

MIN

Returns the minimum column value.

```
SELECT MIN(AnnualRevenue), Name FROM Account WHERE Industry = 'Floppy  
Disks' GROUP BY Name
```

MAX

Returns the maximum column value.

```
SELECT Name, MAX(AnnualRevenue) FROM Account WHERE Industry = 'Floppy  
Disks' GROUP BY Name
```

SUM

Returns the total sum of the column values.

```
SELECT SUM(AnnualRevenue) FROM Account WHERE Industry = 'Floppy Disks'
```

JOIN Queries

This section provides information about the features and restrictions that are specific to how Salesforce supports joins. The Salesforce with SSO Adapter supports join queries based on Salesforce Object Query Language (SOQL). The adapter supports standard SQL syntax instead of proprietary SOQL to allow easy integration with a wide variety of SQL tools. Join queries in Salesforce are based on the relationships among Salesforce objects.

Relationship Queries

Salesforce objects can be linked using relationships. The standard Salesforce objects have predefined relationships. You can define relationships for your custom objects.

Parent to Child Relationships

Salesforce relationships are directional and are of the following types: one-to-many (parent to child) or many-to-one (child to parent). Since the relationships are directional, the order in which the tables are included in the query determines the path of relationship traversal.

The following query shows a simple parent-to-child join query. This query returns all Accounts and the first and last name of each Contact associated with that Account.

```
SELECT Contact.FirstName, Account.Name  
FROM Account, Contact
```

Polymorphic Relationships

Salesforce relationships can be polymorphic. That is, a given relationship on a field can refer to more than one type of entity. For example, the Task entity contains a Who relationship, which by default may refer to a Contact or Lead.

The following query shows a join based on a polymorphic relationship. To return only Tasks referring to a Contact on the Who relationship, specify the type of entity in the relationship:

```
SELECT Task.Subject, Contact.Name  
FROM Task, Contact  
WHERE Contact.Type='Contact'
```

Custom Relationships

You can specify a join condition that is a custom relationship. The following query retrieves the names of all Account records and the first names of all Contacts that match the specified join condition:

```
SELECT Contact.Firstname, Account.Name
FROM Account
JOIN Contact
ON Account.MyCustomColumn__c = Contact.Id
```

Supported Join Syntax

You can use the syntax detailed below to execute joins on Salesforce objects. You can only join related objects.

A benefit of predefined relationships is that you do not need to specify the join conditions to execute a join with Salesforce data; the conditions are already accounted for based on the relationship. The following query returns the first names of all the Contacts in the organization and for each Contact the name of the parent Account associated with that Contact.

```
Select Contact.Firstname, Account.Name
FROM Contact, Account
```

If there are multiple relationships between the tables, you can explicitly set the join criteria. The following query matches on a custom relationship determined by the columns in the join criteria (Account.MyCustomColumn__c and Contact.Id), instead of the default parent-to-child relationship between Accounts and Contacts:

```
SELECT Contact.Firstname, Account.Name
FROM Account
JOIN Contact
ON Account.MyCustomColumn__c = Contact.Id
```

Inner joins are supported. The following query retrieves all Account records that are associated with an Opportunity:

```
SELECT Account.Id, Account.Name, Account.Fax, Opportunity.AccountId,
Opportunity.CloseDate
FROM Account
```

```
INNER JOIN Opportunity
ON Account.Id = Opportunity.AccountId
```

The following query shows a join between three custom objects. This query joins the custom tables NW_Product__c, NW_Category__c, and NW_Suppliers__c and returns the Name field from each of them. Additionally, the results from the NW_Category__c table are filtered for names that start with "Dairy":

```
SELECT A.Name, B.Name, C.Name
FROM NW_Product__c as A, NW_Category__c as B, NW_Suppliers__c as C
WHERE B.Name LIKE 'Dairy%'
```

For more on Polymorphic relationships, see [Salesforce Polymorphic Relationship](#).

Projection Functions

CONVERTCURRENCY(column)

Returns the currency field converted to the user's currency

- **column:** Any column expression.

CALENDAR_MONTH(column)

Returns a number representing the calendar month of a date field (1 for January, 12 for December).

- **column:** Any column expression.

CALENDAR_QUARTER(column)

Returns a number representing the calendar quarter of a date field (1 for January 1 through March 31, 2 for April 1 through June 30, 3 for July 1 through September 30, 4 for October 1 through December 31).

- **column:** Any column expression.

CALENDAR_YEAR(column)

Returns a number representing the calendar year of a date field (2009).

- **column:** Any column expression.

DAY_IN_MONTH(column)

Returns a number representing the day in the month of a date field (20 for February 20).

- **column:** Any column expression.

DAY_IN_WEEK(column)

Returns a number representing the day of the week for a date field (1 for Sunday, 7 for Saturday).

- **column:** Any column expression.

DAY_IN_YEAR(column)

Returns a date representing the day portion of a dateTime field (32 for February 1).

- **column:** Any column expression.

DAY_ONLY(column)

Returns a date representing the day portion of a dateTime field (2009-09-22 for September 22, 2009).

- **column:** Any column expression.

FISCAL_MONTH(column)

Returns a number representing the fiscal month of a date field. This differs from CALENDAR_MONTH() if your organization uses a fiscal year that does not match the Gregorian calendar. If your fiscal year starts in March: 1 for March, 12 for February.

- **column:** Any column expression.

FISCAL_QUARTER(column)

Returns a number representing the fiscal quarter of a date field. This differs from CALENDAR_QUARTER() if your organization uses a fiscal year that does not match the Gregorian calendar. If your fiscal year starts in July: 1 for July 15, 4 for June 6.

- **column:** Any column expression.

FISCAL_YEAR(column)

Returns a number representing the fiscal year of a date field. This differs from CALENDAR_YEAR() if your organization uses a fiscal year that does not match the Gregorian calendar (2009).

- **column:** Any column expression.

HOUR_IN_DAY(column)

Returns a number representing the hour in the day for a dateTime field (18 for a time of 18:23:10).

- **column:** Any column expression.

WEEK_IN_MONTH(column)

Returns a number representing the week in the month for a date field (2 for April 10). The first week is from the first through the seventh day of the month.

- **column:** Any column expression.

WEEK_IN_YEAR(column)

Returns a number representing the week in the year for a date field (1 for January 3). The first week is from January 1 through January 7.

- **column:** Any column expression.

Predicate Functions

CONVERTCURRENCY(column)

Returns the currency field converted to the user's currency

- **column:** Any column expression.

CALENDAR_MONTH(column)

Returns a number representing the calendar month of a date field (1 for January, 12 for December).

- **column:** Any column expression.

CALENDAR_QUARTER(column)

Returns a number representing the calendar quarter of a date field (1 for January 1 through March 31, 2 for April 1 through June 30, 3 for July 1 through September 30, 4 for October 1 through December 31).

- **column:** Any column expression.

CALENDAR_YEAR(column)

Returns a number representing the calendar year of a date field (2009).

- **column:** Any column expression.

DAY_IN_MONTH(column)

Returns a number representing the day in the month of a date field (20 for February 20).

- **column:** Any column expression.

DAY_IN_WEEK(column)

Returns a number representing the day of the week for a date field (1 for Sunday, 7 for Saturday).

- **column:** Any column expression.

DAY_IN_YEAR(column)

Returns a date representing the day portion of a dateTime field (32 for February 1).

- **column:** Any column expression.

DAY_ONLY(column)

Returns a date representing the day portion of a dateTime field (2009-09-22 for September 22, 2009).

- **column:** Any column expression.

FISCAL_MONTH(column)

Returns a number representing the fiscal month of a date field. This differs from CALENDAR_MONTH() if your organization uses a fiscal year that does not match the Gregorian calendar. If your fiscal year starts in March: 1 for March, 12 for February.

- **column:** Any column expression.

FISCAL_QUARTER(column)

Returns a number representing the fiscal quarter of a date field. This differs from CALENDAR_QUARTER() if your organization uses a fiscal year that does not match the Gregorian calendar. If your fiscal year starts in July: 1 for July 15, 4 for June 6.

- **column:** Any column expression.

FISCAL_YEAR(column)

Returns a number representing the fiscal year of a date field. This differs from CALENDAR_YEAR() if your organization uses a fiscal year that does not match the Gregorian calendar (2009).

- **column:** Any column expression.

HOUR_IN_DAY(column)

Returns a number representing the hour in the day for a dateTime field (18 for a time of 18:23:10).

- **column:** Any column expression.

WEEK_IN_MONTH(column)

Returns a number representing the week in the month for a date field (2 for April 10). The first week is from the first through the seventh day of the month.

- **column:** Any column expression.

WEEK_IN_YEAR(column)

Returns a number representing the week in the year for a date field (1 for January 3). The first week is from January 1 through January 7.

- **column:** Any column expression.

SELECT INTO Statements

You can use the SELECT INTO statement to export formatted data to a file.

Data Export with an SQL Query

The following query exports data into a file formatted in comma-separated values (CSV):


```
boolean ret = stat.execute("SELECT BillingState, Name INTO
'csv://c:/Account.txt' FROM 'Account' WHERE Industry = 'Floppy Disks'");
System.out.println(stat.getUpdateCount()+" rows affected");
```

You can specify other file formats in the URI. The following example exports tab-separated values:

```
Statement stat = conn.createStatement();
boolean ret = stat.execute("SELECT * INTO 'Account' IN
'csv://filename=c:/Account.csv;delimiter=tab' FROM 'Account' WHERE
Industry = 'Floppy Disks'");
System.out.println(stat.getUpdateCount()+" rows affected");
```

INSERT Statements

To create new records, use INSERT statements.

INSERT Syntax

The INSERT statement specifies the columns to be inserted and the new column values. You can specify the column values in a comma-separated list in the VALUES clause, as shown in the following example:

```
INSERT INTO <table_name>
( <column_reference> [ , ... ] )
VALUES
( { <expression> | NULL } [ , ... ] )

<expression> ::=
| @ <parameter>
| ?
| <literal>
```

You can use the executeUpdate method of the Statement and PreparedStatement classes to execute data manipulation commands and retrieve the rows affected. To retrieve the Id of the last inserted record use getGeneratedKeys. Additionally, set the **RETURN_GENERATED_KEYS** flag of the Statement class when you call prepareStatement.

```
String cmd = "INSERT INTO Account (Name) VALUES (?)";
PreparedStatement pstmt = connection.prepareStatement
(cmd,Statement.RETURN_GENERATED_KEYS);
pstmt.setString(1, "John");
```

```
int count = pstmt.executeUpdate();
System.out.println(count+" rows were affected");
ResultSet rs = pstmt.getGeneratedKeys();
while(rs.next()){
    System.out.println(rs.getString("Id"));
}
connection.close();
```

UPDATE Statements

To modify existing records, use UPDATE statements.

Update Syntax

The UPDATE statement takes as input a comma-separated list of columns and new column values as name-value pairs in the SET clause, as shown in the following example:

```
UPDATE <table_name> SET { <column_reference> = <expression> } [ , ... ]
WHERE { Id = <expression> } [ { AND | OR } ... ]
<expression> ::=
    | @ <parameter>
    | ?
    | <literal>
```

You can use the executeUpdate method of the Statement or PreparedStatement classes to execute data manipulation commands and retrieve the rows affected, as shown in the following example:

```
String cmd = "UPDATE Account SET Name='John' WHERE Id = ?";
PreparedStatement pstmt = connection.prepareStatement(cmd);
pstmt.setString(1, "1045625d-99ee-e011-a272-00155d01ad6b");
int count = pstmt.executeUpdate();
System.out.println(count + " rows were affected");
connection.close();
```

UPSERT Statements

An UPSERT statement updates an existing record or creates a new record if an existing record is not identified.

Configuring Upserts

Upserts can only be performed on a field explicitly defined in Salesforce to be an external key. You need to provide the name of this field in a column called ExternalIdColumn, as shown in the following query:

```
UPSERT INTO Lead (FirstName, LastName, Company, External_Id_Column__c,
ExternalIdColumn)
VALUES ('Bob', 'Thorton', 'Universal Pictures', 12345, 'External_Id_
Column__c')
```

In order for the ExternalIdColumn to show up, modify the Salesforce connection properties to set the PseudoColumns field to the value '*' without the quotes.

An UPSERT statement updates an existing record or create a new record if an existing record is not identified.

UPSERT Syntax

The UPSERT syntax is the same as for insert. Salesforce with SSO uses the input provided in the VALUES clause to determine whether the record already exists. If the record does not exist, all columns required to insert the record must be specified. See [Data Model](#) for any table-specific information.

```
UPSERT INTO <table_name>
( <column_reference> [ , ... ] )
VALUES
( { <expression> | NULL } [ , ... ] )

<expression> ::=
| @ <parameter>
| ?
| <literal>
```

You can use the executeUpdate method of the Statement and PreparedStatement classes to execute data manipulation commands and retrieve the rows affected. To retrieve the Id of the last inserted record use getGeneratedKeys. Additionally, set the **RETURN_GENERATED_KEYS** flag of the Statement class when you call prepareStatement, as shown in the following example:

```
String cmd = "UPSERT INTO Account (Name) VALUES (?)";
PreparedStatement pstmt = connection.prepareStatement
```

```
(cmd, Statement.RETURN_GENERATED_KEYS);
pstmt.setString(1, "John");
int count = pstmt.executeUpdate();
System.out.println(count+" rows were affected");
ResultSet rs = pstmt.getGeneratedKeys();
while(rs.next()){
    System.out.println(rs.getString("Id"));
}
connection.close();
```

DELETE Statements

To delete information from a table, use DELETE statements.

DELETE Syntax

The DELETE statement requires the table name in the FROM clause and the row's primary key in the WHERE clause, as shown in the following example:

```
<delete_statement> ::= DELETE FROM <table_name> WHERE { Id =
<expression> } [ { AND | OR } ... ]
<expression> ::=
    | @ <parameter>
    | ?
    | <literal>
```

You can use the executeUpdate method of the Statement or PreparedStatement classes to execute data manipulation commands and retrieve the number of affected rows, as shown in the following example:

```
Connection connection = DriverManager.getConnection
("jdbc:salesforce:User=myUser;Password=myPassword;Security
Token=myToken;");
String cmd = "DELETE FROM Account WHERE Id = ?";
PreparedStatement pstmt = connection.prepareStatement(cmd);
pstmt.setString(1, "1045625d-99ee-e011-a272-00155d01ad6b");
int count=pstmt.executeUpdate();
connection.close();
```

GETDELETED Statements

You can issue the GETDELETED query to retrieve all records deleted from the live data for the time range specified. This query accepts a datetime value as a filter, as shown in the following example:

```
GETDELETED FROM <table_name> WHERE <search_condition>
<search_condition> ::=
{
  <expression> { = | < | <= | > | >= } [ <expression> ]
} [ { AND | OR } ... ]
<expression> ::=
| @ <parameter>
| ?
| <literal>
```

```
String cmd = "GETDELETED FROM Account WHERE LastModifiedDate >='2013-01-01' AND LastModifiedDate <='2013-02-01'";
PreparedStatement pstmt = connection.prepareStatement(cmd);
ResultSet rs = pstmt.getResultSet();
while(rs.next()){
    System.out.println(rs.getString("Id"));
}
connection.close();
```

EXECUTE Statements

To execute stored procedures, you can use EXECUTE or EXEC statements.

EXEC and EXECUTE assign stored procedure inputs, referenced by name, to values or parameter names.

Stored Procedure Syntax

To execute a stored procedure as an SQL statement, use the following syntax:

```
{ EXECUTE | EXEC } <stored_proc_name>
{
  [ @ ] <input_name> = <expression>
} [ , ... ]
<expression> ::=
| @ <parameter>
```

```
| ?  
| <literal>
```

Example Statements

Reference stored procedure inputs by name:

```
EXECUTE my_proc @second = 2, @first = 1, @third = 3;
```

Execute a parameterized stored procedure statement:

```
EXECUTE my_proc second = @p1, first = @p2, third = @p3;
```

PIVOT and UNPIVOT

PIVOT and **UNPIVOT** can be used to change a table-valued expression into another table.

PIVOT

PIVOT rotates a table-value expression by turning unique values from one column into multiple columns in the output. PIVOT can run aggregations where required on any column value.

PIVOT Syntax

```
"SELECT 'AverageCost' AS Cost_Sorted_By_Production_Days, [0], [1], [2],  
[3], [4]  
FROM  
(  
  SELECT DaysToManufacture, StandardCost  
  FROM Production.Product  
) AS SourceTable  
PIVOT  
(  
  AVG(StandardCost)  
  FOR DaysToManufacture IN ([0], [1], [2], [3], [4])  
) AS PivotTable;"
```

UNPIVOT

UNPIVOT carries out nearly the opposite to PIVOT by rotating columns of a table-valued expressions into column values.

UNPIVOT Sytax

```
"SELECT VendorID, Employee, Orders
FROM
(SELECT VendorID, Emp1, Emp2, Emp3, Emp4, Emp5
FROM pvt) p
UNPIVOT
(Orders FOR Employee IN
(Emp1, Emp2, Emp3, Emp4, Emp5)
)AS unpvt;"
```

For further information on PIVOT and UNPIVOT, see [FROM clause plus JOIN, APPLY, PIVOT \(Transact-SQL\)](#)

CREATE TABLE Statements

To create new Salesforce with SSO entities, use CREATE TABLE statements.

CREATE TABLE Syntax

The CREATE TABLE statement specifies the table name and a comma-separated list of column names and the primary keys of the table, as shown in the following example:

```
CREATE TABLE <table_name> [ IF [ NOT EXISTS ] ]
(
  {
    <column_name> <data_type>
    [ NOT NULL ]
    [ DEFAULT <literal> ]
    [ PRIMARY KEY ]
    [ UNIQUE ]
  } | PRIMARY KEY ( <column_name> [ , ... ] )
  [ , ... ]
)
```

The following example statement creates a MyCustomers table on the Salesforce with SSO server with name, age, and address columns:

```
CREATE TABLE IF NOT EXISTS "MyCustomers" (name VARCHAR(20), age INT,  
address VARCHAR(20))
```

DROP TABLE Statements

Use DROP TABLE statements to delete a table and all the data it contains from Salesforce with SSO.

DROP TABLE Syntax

The DROP TABLE statement accepts the name of the table to delete, as shown in the following example:

```
DROP TABLE [ IF EXISTS ] <table_name>
```

The following query deletes all MyCustomers data from the server:

```
DROP TABLE IF EXISTS MyCustomers
```

ALTER TABLE Statements

Use the ALTER TABLE statement to add, delete, or modify the columns of a table.

ALTER TABLE Syntax

To add, delete, or modify columns, use the ADD, ALTER, or DROP keywords of the ALTER TABLE statement, as shown in the following example. The ADD keyword accepts a column definition or a comma-separated list of column definitions. The ALTER keyword accepts a column definition. The DROP keyword accepts a column name.

```
ALTER TABLE <table_name>  
  ADD [ COLUMN ] [ IF NOT EXISTS ]  
    <column_definition> | ( <column_definition> [ , ... ] )  
  | ALTER COLUMN <column_definition>
```



```

|          DROP COLUMN [ IF EXISTS ] <column_name>
<column_definition> ::=
  <column_name>
  <data_type>
  [ NOT NULL ]
  [ DEFAULT <literal> ]
  [ PRIMARY KEY ]
  [ UNIQUE ]

```

The following query adds a new ExternalCustomerId column on the server:

```
ALTER TABLE MyCustomers ADD (ExternalCustomerId int)
```

The following query changes the data type of the ExternalCustomerId column:

```
ALTER TABLE MyCustomers ALTER COLUMN ExternalCustomerId string
```

The following query removes the ExternalCustomerId column:

```
ALTER TABLE MyCustomers DROP COLUMN ExternalCustomerId
```

Data Model

You can use the adapter to work with all of the tables in your account. The adapter connects to Salesforce with SSO and gets the list of tables and the metadata for the tables by calling the appropriate web services. Any changes you make to your Salesforce with SSO account, such as adding a new table, adding new columns, or changing the data type of a column, are immediately reflected when you connect using the adapter.

Tables

The adapter models the Salesforce with SSO API as relational [Tables](#). The table definitions are dynamically retrieved; here, we show the sample table definitions that are included in the Salesforce.com development environment.

In addition to the tables, the adapter also offers stored procedures and views, enabling you to work with other aspects of the Salesforce with SSO API, like bulk jobs, custom reports, and so on.

Stored Procedures

[Stored Procedures](#) are function-like interfaces to Salesforce with SSO. They can be used to search, update, and modify information in Salesforce with SSO.

Views

[Views](#) offer additional metadata information from Salesforce with SSO.

Working with Polymorphic Fields

[Polymorphic Fields](#) explains how to work with related objects as different types of objects.

Data Type Mapping

The adapter maps types from the data source to the corresponding data type available in the schema. The following table documents these mappings.

Data Type Mapping

Salesforce with SSO UI	Salesforce API Type	CData Schema
Auto Number	string	string
Lookup Relationship	ID	string
Master-Detail Relationship	ID	string
External Lookup Relationship	ID	string
Checkbox	boolean	bool
Currency	double	float
Date	date	date
Date/Time	datetime	datetime

Email	string	string
Geolocation	Location*	string
Number	double	float
Percent	double	float
Phone	string	string
Picklist	string	string
Picklist (Multi-Select)	string	string
Text	string	string
Text Area	string	string
Text Area (Long)	string	string
Text Area (Rich)	string	string
Text (Encrypted)	string	string
Time	time	time
URL	string	string

Note: Entries marked with an asterisk "*" indicate a structured data type containing latitude and longitude.

Polymorphic Fields

Working with Polymorphic Fields

A polymorphic field is one where the related object might be one of several different types of objects. For example, the WhoID field of a Task can be a Contact or a Lead. To find out if a field is polymorphic, you can query the **sys_tablecolumns** and check the **IsPolymorphic** column. There are two pseudo columns related to each polymorphic field:

- *{PolymorphicField}Type* Column
- *{PolymorphicField}ExternalID* Column

The pseudo columns are used to efficiently work with polymorphic fields.

Polymorphic Field Types

{PolymorphicField}type can be used in the criteria to specify the type of object the polymorphic relates to. For example: To query only the tasks where the Owner relationship is of type User, the following query can be used:

```
SELECT * FROM Task WHERE OwnerIDType = 'User'
```

For INSERT/UPDATE/UPSERT statements, the polymorphic fields can be used directly, or instead of having to look up the ID of a specific object type, the *{PolymorphicField}ExternalID* can be used. For example, when trying to update the WhoID of a task, instead of having to find the ID which belongs to a specific Contact, a contact external ID field can be used as a reference. Let's say the contact has an external ID "ContactEmail__c". Instead of using:

```
SELECT ID FROM Contact WHERE ContactEmail__c = 'test@test.com'
UPDATE Task SET WhoID = ID from first query
```

The following can be executed:

```
UPDATE Task SET WhoID='test@test.com', WhoIDType='Contact',
WhoIDExternalID = 'ContactEmail__c'
```

This tells the service to set the WhoID value for this task to whichever contact ID has the external ID ContactEmail__c equals to test@test.com. The same applies to INSERT & UPSERT statements.

Tables

The adapter models the data in Salesforce with SSO into a list of tables that can be queried using standard SQL statements.

Generally, querying Salesforce with SSO tables is the same as querying a table in a relational database. Sometimes there are special cases, for example, including a certain column in the WHERE clause might be required to get data for certain columns in the table. This is typically needed for situations where a separate request must be made for each row to get certain columns. These types of situations are clearly documented at the top of the table page linked below.

Salesforce with SSO Adapter Tables

Name	Description
AcceptedEventRelation	This is a table representing the AcceptedEventRelation entities in Salesforce.
Account	This is a table representing the Account entities in Salesforce.
AccountContactRole	This is a table representing the AccountContactRole entities in Salesforce.
AccountFeed	This is a table representing the AccountFeed entities in Salesforce.
AccountHistory	This is a table representing the AccountHistory entities in Salesforce.
AccountPartner	This is a table representing the AccountPartner entities in Salesforce.
AccountShare	This is a table representing the AccountShare entities in Salesforce.
AdditionalNumber	This is a table representing the AdditionalNumber entities in Salesforce.
ApexClass	This is a table representing the ApexClass entities in Salesforce.
ApexComponent	This is a table representing the ApexComponent entities in Salesforce.
ApexLog	This is a table representing the ApexLog entities in Salesforce.
ApexPage	This is a table representing the ApexPage entities in Salesforce.

ApexTestQueueItem	This is a table representing the ApexTestQueueItem entities in Salesforce.
ApexTestResult	This is a table representing the ApexTestResult entities in Salesforce.
ApexTrigger	This is a table representing the ApexTrigger entities in Salesforce.
AppMenuItem	This is a table representing the AppMenuItem entities in Salesforce.
Approval	This is a table representing the Approval entities in Salesforce.
Asset	This is a table representing the Asset entities in Salesforce.
AssetFeed	This is a table representing the AssetFeed entities in Salesforce.
AssignmentRule	This is a table representing the AssignmentRule entities in Salesforce.
AsyncApexJob	This is a table representing the AsyncApexJob entities in Salesforce.
Attachment	This is a table representing the Attachment entities in Salesforce.
AuthProvider	This is a table representing the AuthProvider entities in Salesforce.
AuthSession	This is a table representing the AuthSession entities in Salesforce.
BrandTemplate	This is a table representing the BrandTemplate entities in Salesforce.
BusinessHours	This is a table representing the BusinessHours

	entities in Salesforce.
BusinessProcess	This is a table representing the BusinessProcess entities in Salesforce.
CallCenter	This is a table representing the CallCenter entities in Salesforce.
Campaign	This is a table representing the Campaign entities in Salesforce.
CampaignFeed	This is a table representing the CampaignFeed entities in Salesforce.
CampaignMember	This is a table representing the CampaignMember entities in Salesforce.
CampaignMemberStatus	This is a table representing the CampaignMemberStatus entities in Salesforce.
CampaignShare	This is a table representing the CampaignShare entities in Salesforce.
Case	This is a table representing the Case entities in Salesforce.
CaseComment	This is a table representing the CaseComment entities in Salesforce.
CaseContactRole	This is a table representing the CaseContactRole entities in Salesforce.
CaseFeed	This is a table representing the CaseFeed entities in Salesforce.
CaseHistory	This is a table representing the CaseHistory entities in Salesforce.
CaseShare	This is a table representing the CaseShare entities in Salesforce.

CaseSolution	This is a table representing the CaseSolution entities in Salesforce.
CaseStatus	This is a table representing the CaseStatus entities in Salesforce.
CaseTeamMember	This is a table representing the CaseTeamMember entities in Salesforce.
CaseTeamRole	This is a table representing the CaseTeamRole entities in Salesforce.
CaseTeamTemplate	This is a table representing the CaseTeamTemplate entities in Salesforce.
CaseTeamTemplateMember	This is a table representing the CaseTeamTemplateMember entities in Salesforce.
CaseTeamTemplateRecord	This is a table representing the CaseTeamTemplateRecord entities in Salesforce.
CategoryData	This is a table representing the CategoryData entities in Salesforce.
CategoryNode	This is a table representing the CategoryNode entities in Salesforce.
ChatterActivity	This is a table representing the ChatterActivity entities in Salesforce.
ClientBrowser	This is a table representing the ClientBrowser entities in Salesforce.
CollaborationGroup	This is a table representing the CollaborationGroup entities in Salesforce.
CollaborationGroupFeed	This is a table representing the CollaborationGroupFeed entities in Salesforce.
CollaborationGroupMember	This is a table representing the

	CollaborationGroupMember entities in Salesforce.
CollaborationGroupMemberRequest	This is a table representing the CollaborationGroupMemberRequest entities in Salesforce.
CollaborationInvitation	This is a table representing the CollaborationInvitation entities in Salesforce.
Community	This is a table representing the Community entities in Salesforce.
Contact	This is a table representing the Contact entities in Salesforce.
ContactFeed	This is a table representing the ContactFeed entities in Salesforce.
ContactHistory	This is a table representing the ContactHistory entities in Salesforce.
ContactShare	This is a table representing the ContactShare entities in Salesforce.
ContentDocument	This is a table representing the ContentDocument entities in Salesforce.
ContentDocumentFeed	This is a table representing the ContentDocumentFeed entities in Salesforce.
ContentDocumentHistory	This is a table representing the ContentDocumentHistory entities in Salesforce.
ContentDocumentLink	This is a table representing the ContentDocumentLink entities in Salesforce.
ContentVersion	This is a table representing the ContentVersion entities in Salesforce.
ContentVersionHistory	This is a table representing the

	ContentVersionHistory entities in Salesforce.
Contract	This is a table representing the Contract entities in Salesforce.
ContractContactRole	This is a table representing the ContractContactRole entities in Salesforce.
ContractFeed	This is a table representing the ContractFeed entities in Salesforce.
ContractHistory	This is a table representing the ContractHistory entities in Salesforce.
ContractStatus	This is a table representing the ContractStatus entities in Salesforce.
CronJobDetail	This is a table representing the CronJobDetail entities in Salesforce.
CronTrigger	This is a table representing the CronTrigger entities in Salesforce.
Dashboard	This is a table representing the Dashboard entities in Salesforce.
DashboardComponent	This is a table representing the DashboardComponent entities in Salesforce.
DashboardComponentFeed	This is a table representing the DashboardComponentFeed entities in Salesforce.
DashboardFeed	This is a table representing the DashboardFeed entities in Salesforce.
DeclinedEventRelation	This is a table representing the DeclinedEventRelation entities in Salesforce.
Document	This is a table representing the Document entities in Salesforce.

DocumentAttachmentMap	This is a table representing the DocumentAttachmentMap entities in Salesforce.
Domain	This is a table representing the Domain entities in Salesforce.
DomainSite	This is a table representing the DomainSite entities in Salesforce.
EmailServicesAddress	This is a table representing the EmailServicesAddress entities in Salesforce.
EmailServicesFunction	This is a table representing the EmailServicesFunction entities in Salesforce.
EmailTemplate	This is a table representing the EmailTemplate entities in Salesforce.
EntitySubscription	This is a table representing the EntitySubscription entities in Salesforce.
Event	This is a table representing the Event entities in Salesforce.
EventFeed	This is a table representing the EventFeed entities in Salesforce.
EventRelation	This is a table representing the EventRelation entities in Salesforce.
FeedComment	This is a table representing the FeedComment entities in Salesforce.
FeedItem	This is a table representing the FeedItem entities in Salesforce.
FeedPollChoice	This is a table representing the FeedPollChoice entities in Salesforce.
FeedPollVote	This is a table representing the FeedPollVote entities

	in Salesforce.
FieldPermissions	This is a table representing the FieldPermissions entities in Salesforce.
FiscalYearSettings	This is a table representing the FiscalYearSettings entities in Salesforce.
Folder	This is a table representing the Folder entities in Salesforce.
ForecastShare	This is a table representing the ForecastShare entities in Salesforce.
Group	This is a table representing the Group entities in Salesforce.
GroupMember	This is a table representing the GroupMember entities in Salesforce.
HashtagDefinition	This is a table representing the HashtagDefinition entities in Salesforce.
Holiday	This is a table representing the Holiday entities in Salesforce.
Lead	This is a table representing the Lead entities in Salesforce.
LeadFeed	This is a table representing the LeadFeed entities in Salesforce.
LeadHistory	This is a table representing the LeadHistory entities in Salesforce.
LeadShare	This is a table representing the LeadShare entities in Salesforce.
LeadStatus	This is a table representing the LeadStatus entities in Salesforce.

LoginHistory	This is a table representing the LoginHistory entities in Salesforce.
LoginIp	This is a table representing the LoginIp entities in Salesforce.
MailmergeTemplate	This is a table representing the MailmergeTemplate entities in Salesforce.
MobileDeviceRegistrar	This is a table representing the MobileDeviceRegistrar entities in Salesforce.
Note	This is a table representing the Note entities in Salesforce.
ObjectPermissions	This is a table representing the ObjectPermissions entities in Salesforce.
Opportunity	This is a table representing the Opportunity entities in Salesforce.
OpportunityCompetitor	This is a table representing the OpportunityCompetitor entities in Salesforce.
OpportunityContactRole	This is a table representing the OpportunityContactRole entities in Salesforce.
OpportunityFeed	This is a table representing the OpportunityFeed entities in Salesforce.
OpportunityFieldHistory	This is a table representing the OpportunityFieldHistory entities in Salesforce.
OpportunityHistory	This is a table representing the OpportunityHistory entities in Salesforce.
OpportunityLineItem	This is a table representing the OpportunityLineItem entities in Salesforce.
OpportunityPartner	This is a table representing the OpportunityPartner

	entities in Salesforce.
OpportunityShare	This is a table representing the OpportunityShare entities in Salesforce.
OpportunityStage	This is a table representing the OpportunityStage entities in Salesforce.
Organization	This is a table representing the Organization entities in Salesforce.
OrgWideEmailAddress	This is a table representing the OrgWideEmailAddress entities in Salesforce.
Partner	This is a table representing the Partner entities in Salesforce.
PartnerRole	This is a table representing the PartnerRole entities in Salesforce.
Period	This is a table representing the Period entities in Salesforce.
PermissionSet	This is a table representing the PermissionSet entities in Salesforce.
PermissionSetAssignment	This is a table representing the PermissionSetAssignment entities in Salesforce.
PermissionSetLicense	This is a table representing the PermissionSetLicense entities in Salesforce.
PermissionSetLicenseAssign	This is a table representing the PermissionSetLicenseAssign entities in Salesforce.
Pricebook2	This is a table representing the Pricebook2 entities in Salesforce.
Pricebook2History	This is a table representing the Pricebook2History entities in Salesforce.

PricebookEntry	This is a table representing the PricebookEntry entities in Salesforce.
ProcessDefinition	This is a table representing the ProcessDefinition entities in Salesforce.
ProcessInstance	This is a table representing the ProcessInstance entities in Salesforce.
ProcessInstanceStep	This is a table representing the ProcessInstanceStep entities in Salesforce.
ProcessInstanceWorkitem	This is a table representing the ProcessInstanceWorkitem entities in Salesforce.
ProcessNode	This is a table representing the ProcessNode entities in Salesforce.
Product2	This is a table representing the Product2 entities in Salesforce.
Product2Feed	This is a table representing the Product2Feed entities in Salesforce.
Profile	This is a table representing the Profile entities in Salesforce.
PushTopic	This is a table representing the PushTopic entities in Salesforce.
QueueSubject	This is a table representing the QueueSubject entities in Salesforce.
Quote	This is a table representing the Quote entities in Salesforce.
QuoteDocument	This is a table representing the QuoteDocument entities in Salesforce.
QuoteFeed	This is a table representing the QuoteFeed entities in

	Salesforce.
QuoteLineItem	This is a table representing the QuoteLineItem entities in Salesforce.
RecentlyViewed	This is a table representing the RecentlyViewed entities in Salesforce.
RecordType	This is a table representing the RecordType entities in Salesforce.
Report	This is a table representing the Report entities in Salesforce.
ReportFeed	This is a table representing the ReportFeed entities in Salesforce.
Scontrol	This is a table representing the Scontrol entities in Salesforce.
SelfServiceUser	This is a table representing the SelfServiceUser entities in Salesforce.
SetupEntityAccess	This is a table representing the SetupEntityAccess entities in Salesforce.
Site	This is a table representing the Site entities in Salesforce.
SiteFeed	This is a table representing the SiteFeed entities in Salesforce.
SiteHistory	This is a table representing the SiteHistory entities in Salesforce.
Solution	This is a table representing the Solution entities in Salesforce.
SolutionFeed	This is a table representing the SolutionFeed entities in Salesforce.

SolutionHistory	This is a table representing the SolutionHistory entities in Salesforce.
SolutionStatus	This is a table representing the SolutionStatus entities in Salesforce.
StaticResource	This is a table representing the StaticResource entities in Salesforce.
Task	This is a table representing the Task entities in Salesforce. To retrieve archived tasks, you must explicitly query for records with IsArchived set to True.
TaskFeed	This is a table representing the TaskFeed entities in Salesforce.
TaskPriority	This is a table representing the TaskPriority entities in Salesforce.
TaskStatus	This is a table representing the TaskStatus entities in Salesforce.
Topic	This is a table representing the Topic entities in Salesforce.
TopicAssignment	This is a table representing the TopicAssignment entities in Salesforce.
TopicFeed	This is a table representing the TopicFeed entities in Salesforce.
UndecidedEventRelation	This is a table representing the UndecidedEventRelation entities in Salesforce.
User	This is a table representing the User entities in Salesforce.
UserFeed	This is a table representing the UserFeed entities in Salesforce.

UserLicense	This is a table representing the UserLicense entities in Salesforce.
UserLogin	This is a table representing the UserLogin entities in Salesforce.
UserPreference	This is a table representing the UserPreference entities in Salesforce.
UserProfile	This is a table representing the UserProfile entities in Salesforce.
UserRecordAccess	This is a table representing the UserRecordAccess entities in Salesforce.
UserRole	This is a table representing the UserRole entities in Salesforce.
Vote	This is a table representing the Vote entities in Salesforce.
WebLink	This is a table representing the WebLink entities in Salesforce.

The adapter can also expose custom entities on your Salesforce with SSO account that are not mentioned in the [Tables](#). You can query against these custom entities as with any other table. Additionally, you can query against custom fields of standard entities.

There is a naming limitation that applies to the lists and to the custom fields. Empty spaces in list names are converted to underscores for the table names. Also, all custom fields and custom entities are identified by Salesforce with SSO with a __c appended to the end of the name.

As of the Spring20 release of the Salesforce's APIs, access for users without the "Customize Application" permission to read unprotected custom metadata types is revoked. To minimize the impact on your users, admins with the Customize Application permission can grant read access through profile or permission sets. See [this link](#) for more info.

AcceptedEventRelation

This is a table representing the AcceptedEventRelation entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the AcceptedEventRelation.
RelationId	String	True		Label Relation ID corresponds to this field.
EventId	String	True	Event.Id	Label Event ID corresponds to this field.
RespondedDate	Datetime	True		Label Response Date corresponds to this field.
Response	String	True		Label Response corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.

Type	<i>String</i>	True	Label Type corresponds to this field.
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Account

This is a table representing the Account entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Account.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
MasterRecordId	<i>String</i>	True	Account.Id	Label Master Record ID corresponds to this field.
Name	<i>String</i>	False		Label Account Name corresponds to this field.
Type	<i>String</i>	False		Label Account Type corresponds to this field.
ParentId	<i>String</i>	False	Account.Id	Label Parent Account ID corresponds to this field.

BillingStreet	<i>String</i>	False	Label Billing Street corresponds to this field.
BillingCity	<i>String</i>	False	Label Billing City corresponds to this field.
BillingState	<i>String</i>	False	Label Billing State/Province corresponds to this field.
BillingPostalCode	<i>String</i>	False	Label Billing Zip/Postal Code corresponds to this field.
BillingCountry	<i>String</i>	False	Label Billing Country corresponds to this field.
BillingLatitude	<i>Double</i>	False	Label Billing Latitude corresponds to this field.
BillingLongitude	<i>Double</i>	False	Label Billing Longitude corresponds to this field.
ShippingStreet	<i>String</i>	False	Label Shipping Street corresponds to this field.
ShippingCity	<i>String</i>	False	Label Shipping City corresponds to this field.

ShippingState	<i>String</i>	False	Label Shipping State/Province corresponds to this field.
ShippingPostalCode	<i>String</i>	False	Label Shipping Zip/Postal Code corresponds to this field.
ShippingCountry	<i>String</i>	False	Label Shipping Country corresponds to this field.
ShippingLatitude	<i>Double</i>	False	Label Shipping Latitude corresponds to this field.
ShippingLongitude	<i>Double</i>	False	Label Shipping Longitude corresponds to this field.
Phone	<i>String</i>	False	Label Account Phone corresponds to this field.
Fax	<i>String</i>	False	Label Account Fax corresponds to this field.
AccountNumber	<i>String</i>	False	Label Account Number corresponds to this field.
Website	<i>String</i>	False	Label Website corresponds to this

			field.
Sic	<i>String</i>	False	Label SIC Code corresponds to this field.
Industry	<i>String</i>	False	Label Industry corresponds to this field.
AnnualRevenue	<i>Double</i>	False	Label Annual Revenue corresponds to this field.
NumberOfEmployees	<i>Int</i>	False	Label Employees corresponds to this field.
Ownership	<i>String</i>	False	Label Ownership corresponds to this field.
TickerSymbol	<i>String</i>	False	Label Ticker Symbol corresponds to this field.
Description	<i>String</i>	False	Label Account Description corresponds to this field.
Rating	<i>String</i>	False	Label Account Rating corresponds to this field.
Site	<i>String</i>	False	Label Account Site corresponds to this field.

OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
LastActivityDate	<i>Datetime</i>	True		Label Last Activity corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
Jigsaw	<i>String</i>	False		Label Data.com Key corresponds to

			this field.
JigsawCompanyId	<i>String</i>	True	Label Jigsaw Company ID corresponds to this field.
AccountSource	<i>String</i>	False	Label Account Source corresponds to this field.
SicDesc	<i>String</i>	False	Label SIC Description corresponds to this field.
NumberOfLocations__c	<i>Double</i>	False	Label Number of Locations corresponds to this field.
SLAExpirationDate__c	<i>Datetime</i>	False	Label SLA Expiration Date corresponds to this field.
UpsellOpportunity__c	<i>String</i>	False	Label Upsell Opportunity corresponds to this field.
SLASerialNumber__c	<i>String</i>	False	Label SLA Serial Number corresponds to this field.
SLA__c	<i>String</i>	False	Label SLA corresponds to this field.

CustomerPriority__c	<i>String</i>	False	Label Customer Priority corresponds to this field.
Active__c	<i>String</i>	False	Label Active corresponds to this field.
MyAutoNumber__c	<i>String</i>	True	Label MyAutoNumber corresponds to this field.
MyFormula__c	<i>String</i>	True	Label MyFormula corresponds to this field.
MyRollupSummary__c	<i>Double</i>	True	Label MyRollupSummary corresponds to this field.
MyCheckBox__c	<i>Boolean</i>	False	Label MyCheckBox corresponds to this field.
MyEmail__c	<i>String</i>	False	Label MyEmail corresponds to this field.
MyPercent__c	<i>Double</i>	False	Label MyPercent corresponds to this field.
Custom_Date_Time__c	<i>Datetime</i>	False	Label Custom Date Time corresponds to this field.
New_Currency_Field__c	<i>Double</i>	False	Label New_

			Currency_Field corresponds to this field.
New_Currency_Field_2__c	Double	False	Label New_Currency_Field_2 corresponds to this field.
DO_NOT_USE__c	Boolean	False	Label DO_NOT_USE corresponds to this field.
CustomNumber__c	Double	False	Label CustomNumber corresponds to this field.
FiveChar_TextField__c	String	False	Label FiveChar_TextField corresponds to this field.
FiveChar_CurrencyField__c	Double	False	Label FiveChar_CurrencyField corresponds to this field.
FiveChar_NumberField__c	Double	False	Label FiveChar_NumberField corresponds to this field.
FiveChar_PercentField__c	Double	False	Label FiveChar_PercentField corresponds to this field.
FiveChar_TextAreaMasked__c	String	False	Label FiveChar_TextAreaMasked

			corresponds to this field.
NewField__c	Double	False	Label NewField corresponds to this field.

AccountContactRole

This is a table representing the AccountContactRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the AccountContactRole.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this

				field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
AccountId	<i>String</i>	False	Account.Id	Label Account ID corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
Role	<i>String</i>	False		Label Role corresponds to this field.
IsPrimary	<i>Boolean</i>	False		Label Primary corresponds to this field.

AccountFeed

This is a table representing the AccountFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AccountFeed.
ParentId	<i>String</i>	True	Account.Id	Label Parent ID corresponds to this field.

Type	<i>String</i>	True	Label Feed Item Type corresponds to this field.
CreatedByld	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True	Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True	Label Like Count corresponds to this field.
Title	<i>String</i>	True	Label Title corresponds to this field.
Body	<i>String</i>	True	Label Body corresponds to

				this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True		Label InsertedBy ID corresponds to this field.

AccountHistory

This is a table representing the AccountHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the AccountHistory.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
AccountId	String	True	Account.Id	Label Account ID corresponds to this field.
CreatedById	String	True		Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
Field	String	True		Label Changed Field corresponds to this field.
OldValue	String	True		Label Old Value corresponds to this field.
NewValue	String	True		Label New Value corresponds to this field.

AccountPartner

This is a table representing the AccountPartner entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the AccountPartner.
AccountFromId	String	True	Account.Id	Label Account ID corresponds to this field.
AccountToId	String	True	Account.Id	Label Account ID corresponds to this field.
OpportunityId	String	True	Opportunity.Id	Label Opportunity ID corresponds to this field.
Role	String	True		Label Role corresponds to this field.
IsPrimary	Boolean	True		Label Primary corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds

				to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ReversePartnerId	<i>String</i>	True	AccountPartner.Id	Label Reverse Partner ID corresponds to this field.

AccountShare

This is a table representing the AccountShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AccountShare.
AccountId	<i>String</i>	True	Account.Id	Label Account ID corresponds to this field.
UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.

AccountAccessLevel	<i>String</i>	True		Label Account Access corresponds to this field.
OpportunityAccessLevel	<i>String</i>	True		Label Opportunity Access corresponds to this field.
CaseAccessLevel	<i>String</i>	True		Label Case Access corresponds to this field.
ContactAccessLevel	<i>String</i>	True		Label Contact Access corresponds to this field.
RowCause	<i>String</i>	True		Label Row Cause corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

AdditionalNumber

This is a table representing the AdditionalNumber entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AdditionalNumber.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CallCenterId	<i>String</i>	False	CallCenter.Id	Label Call Center ID corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
Phone	<i>String</i>	False		Label Phone corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.

LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ApexClass

This is a table representing the ApexClass entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ApexClass.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
ApiVersion	<i>Double</i>	False		Label Api Version corresponds to this field.
Status	<i>String</i>	False		Label Status corresponds to

				this field.
IsValid	<i>Boolean</i>	False		Label Is Valid corresponds to this field.
BodyCrc	<i>Double</i>	False		Label Body CRC corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
LengthWithoutComments	<i>Int</i>	False		Label Size Without Comments corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
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ApexComponent

This is a table representing the ApexComponent entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ApexComponent.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
ApiVersion	<i>Double</i>	False		Label Api Version corresponds to this field.
MasterLabel	<i>String</i>	False		Label Label corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.

ControllerType	<i>String</i>	False		Label Controller Type corresponds to this field.
ControllerKey	<i>String</i>	False		Label Controller Key corresponds to this field.
Markup	<i>String</i>	False		Label Markup corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ApexLog

This is a table representing the ApexLog entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ApexLog.
LogUserId	<i>String</i>	True		Label Log User ID corresponds to this field.
LogLength	<i>Int</i>	True		Label Log Size (bytes) corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Date corresponds to this field.
Request	<i>String</i>	True		Label Request Type corresponds to this field.
Operation	<i>String</i>	True		Label Operation corresponds to this field.
Application	<i>String</i>	True		Label Application corresponds to this field.
Status	<i>String</i>	True		Label Status corresponds to this field.
DurationMilliseconds	<i>Int</i>	True		Label Duration (ms) corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp

			corresponds to this field.
StartTime	<i>Datetime</i>	True	Label Start Time corresponds to this field.
Location	<i>String</i>	True	Label Location corresponds to this field.

ApexPage

This is a table representing the ApexPage entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ApexPage.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
ApiVersion	<i>Double</i>	False		Label Api Version corresponds to this field.

MasterLabel	<i>String</i>	False	Label Label corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
ControllerType	<i>String</i>	False	Label Controller Type corresponds to this field.
ControllerKey	<i>String</i>	False	Label Controller Key corresponds to this field.
IsAvailableInTouch	<i>Boolean</i>	False	Label Available for Salesforce mobile apps corresponds to this field.
IsConfirmationTokenRequired	<i>Boolean</i>	False	Label Require CSRF protection on GET requests corresponds to this field.
Markup	<i>String</i>	False	Label Markup corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date

				corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ApexTestQueueItem

This is a table representing the ApexTestQueueItem entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ApexTestQueueItem.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this

				field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
ApexClassId	<i>String</i>	False	ApexClass.Id	Label Class ID corresponds to this field.
Status	<i>String</i>	True		Label Status corresponds to this field.
ExtendedStatus	<i>String</i>	True		Label Status Detail corresponds to this field.
ParentJobId	<i>String</i>	True	AsyncApexJob.Id	Label Apex Job ID corresponds to this field.

ApexTestResult

This is a table representing the ApexTestResult entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the

				ApexTestResult.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
TestTimestamp	<i>Datetime</i>	True		Label Time Started corresponds to this field.
Outcome	<i>String</i>	True		Label Pass/Fail corresponds to this field.
ApexClassId	<i>String</i>	True	ApexClass.Id	Label Class ID corresponds to this field.
MethodName	<i>String</i>	True		Label Method Name corresponds to this field.
Message	<i>String</i>	True		Label Error Message corresponds to this field.
StackTrace	<i>String</i>	True		Label Stack Trace corresponds to this field.
AsyncApexJobId	<i>String</i>	True	AsyncApexJob.Id	Label Apex Job ID corresponds to this field.
QueueItemId	<i>String</i>	True	ApexTestQueueItem.Id	Label Apex Test Queue Item ID

				corresponds to this field.
ApexLogId	<i>String</i>	True	ApexLog.Id	Label Log ID corresponds to this field.

ApexTrigger

This is a table representing the ApexTrigger entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ApexTrigger.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
TableEnumOrId	<i>String</i>	False		Label Custom Object Definition ID corresponds to this field.
UsageBeforeInsert	<i>Boolean</i>	False		Label BeforeInsert

			corresponds to this field.
UsageAfterInsert	<i>Boolean</i>	False	Label AfterInsert corresponds to this field.
UsageBeforeUpdate	<i>Boolean</i>	False	Label BeforeUpdate corresponds to this field.
UsageAfterUpdate	<i>Boolean</i>	False	Label AfterUpdate corresponds to this field.
UsageBeforeDelete	<i>Boolean</i>	False	Label BeforeDelete corresponds to this field.
UsageAfterDelete	<i>Boolean</i>	False	Label AfterDelete corresponds to this field.
UsageIsBulk	<i>Boolean</i>	False	Label IsBulk corresponds to this field.
UsageAfterUndelete	<i>Boolean</i>	False	Label AfterUndelete corresponds to this field.
ApiVersion	<i>Double</i>	False	Label Api Version corresponds to this field.

Status	<i>String</i>	False		Label Status corresponds to this field.
IsValid	<i>Boolean</i>	False		Label Is Valid corresponds to this field.
BodyCrc	<i>Double</i>	False		Label Body CRC corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
LengthWithoutComments	<i>Int</i>	False		Label Size Without Comments corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to

				this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

AppMenuItem

This is a table representing the AppMenuItem entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AppMenuItem.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

SortOrder	<i>Int</i>	True	Label Sort Order corresponds to this field.
Name	<i>String</i>	True	Label Developer Name corresponds to this field.
NamespacePrefix	<i>String</i>	True	Label Namespace Prefix corresponds to this field.
Label	<i>String</i>	True	Label Label corresponds to this field.
Description	<i>String</i>	True	Label Description corresponds to this field.
StartUrl	<i>String</i>	True	Label Start Url corresponds to this field.
MobileStartUrl	<i>String</i>	True	Label Mobile Start Url corresponds to this field.
LogoUrl	<i>String</i>	True	Label Logo Image URL corresponds to this field.
IconUrl	<i>String</i>	True	Label Icon Url corresponds to this field.
InfoUrl	<i>String</i>	True	Label Info URL corresponds to this field.
IsUsingAdminAuthorization	<i>Boolean</i>	True	Label IsUsingAdminAuthorization corresponds to this field.
MobilePlatform	<i>String</i>	True	Label Mobile device OS platform corresponds to this field.
MobileMinOsVer	<i>String</i>	True	Label Minimum required

			mobile device OS version corresponds to this field.
MobileDeviceType	<i>String</i>	True	Label Type of mobile device corresponds to this field.
IsRegisteredDeviceOnly	<i>Boolean</i>	True	Label App requires a registered mobile device corresponds to this field.
MobileAppVer	<i>String</i>	True	Label Version of the mobile app corresponds to this field.
MobileAppInstalledDate	<i>Datetime</i>	True	Label Date the mobile app was most recently installed corresponds to this field.
MobileAppInstalledVersion	<i>String</i>	True	Label Most recently installed version of the mobile app corresponds to this field.
MobileAppBinaryId	<i>String</i>	True	Label ID for the related mobile app binary corresponds to this field.
MobileAppInstallUrl	<i>String</i>	True	Label URL to install the mobile app corresponds to this field.
Type	<i>String</i>	True	Label App Type corresponds to this field.

Approval

This is a table representing the Approval entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Approval.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ParentId	<i>String</i>	False	Contract.Id	Label Parent ID corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
Status	<i>String</i>	False		Label Status corresponds to this field.

RequestComment	<i>String</i>	False	Label Request Comment corresponds to this field.
ApproveComment	<i>String</i>	False	Label Approve/Reject Comment corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

Asset

This is a table representing the Asset entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Asset.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
AccountId	<i>String</i>	False	Account.Id	Label Account ID corresponds to this field.
Product2Id	<i>String</i>	False	Product2.Id	Label Product ID corresponds to this field.
IsCompetitorProduct	<i>Boolean</i>	False		Label Competitor

				Asset corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Name	<i>String</i>	False		Label Asset Name corresponds to this field.
SerialNumber	<i>String</i>	False		Label Serial Number corresponds to this field.
InstallDate	<i>Datetime</i>	False		Label Install Date corresponds to this field.

PurchaseDate	<i>Datetime</i>	False	Label Purchase Date corresponds to this field.
UsageEndDate	<i>Datetime</i>	False	Label Usage End Date corresponds to this field.
Status	<i>String</i>	False	Label Status corresponds to this field.
Price	<i>Double</i>	False	Label Price corresponds to this field.
Quantity	<i>Double</i>	False	Label Quantity corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.

AssetFeed

This is a table representing the AssetFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AssetFeed.
ParentId	<i>String</i>	True	Asset.Id	Label Parent ID

			corresponds to this field.
Type	<i>String</i>	True	Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True	Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True	Label Like Count corresponds to this field.
Title	<i>String</i>	True	Label Title corresponds to this field.

Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True		Label InsertedById corresponds to this field.

AssignmentRule

This is a table representing the AssignmentRule entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the AssignmentRule.
Name	String	True		Label Name corresponds to this field.
SubjectType	String	True		Label SObject Type corresponds to this field.
Active	Boolean	True		Label Active corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.

AsyncApexJob

This is a table representing the AsyncApexJob entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the AsyncApexJob.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
JobType	String	True		Label Job Type corresponds to this field.
ApexClassId	String	True	ApexClass.Id	Label Class ID corresponds to this field.
Status	String	True		Label Status corresponds to this field.
JobItemsProcessed	Int	True		Label Batches Processed corresponds to this field.
TotalJobItems	Int	True		Label Total

				Batches corresponds to this field.
NumberOfErrors	<i>Int</i>	True		Label Failures corresponds to this field.
CompletedDate	<i>Datetime</i>	True		Label Completion Date corresponds to this field.
MethodName	<i>String</i>	True		Label Apex Method corresponds to this field.
ExtendedStatus	<i>String</i>	True		Label Status Detail corresponds to this field.
ParentJobId	<i>String</i>	True	AsyncApexJob.Id	Label Apex Job ID corresponds to this field.
LastProcessed	<i>String</i>	True		Label Last ID processed and committed corresponds to this field.
LastProcessedOffset	<i>Int</i>	True		Label Offset of last ID processed and committed corresponds to this field.

Attachment

This is a table representing the Attachment entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Attachment.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ParentId	<i>String</i>	False		Label Parent ID corresponds to this field.
Name	<i>String</i>	False		Label File Name corresponds to this field.
IsPrivate	<i>Boolean</i>	False		Label Private corresponds to this field.
ContentType	<i>String</i>	False		Label Content Type corresponds to this field.
BodyLength	<i>Int</i>	True		Label Body Length corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.

CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.

AuthProvider

This is a table representing the AuthProvider entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AuthProvider.
CreatedDate	<i>Datetime</i>	True		Label Created Date

				corresponds to this field.
ProviderType	<i>String</i>	False		Label Provider Type corresponds to this field.
FriendlyName	<i>String</i>	False		Label Name corresponds to this field.
DeveloperName	<i>String</i>	False		Label URL Suffix corresponds to this field.
RegistrationHandlerId	<i>String</i>	False	ApexClass.Id	Label Class ID corresponds to this field.
ExecutionUserId	<i>String</i>	False	User.Id	Label User ID corresponds to this field.
ConsumerKey	<i>String</i>	False		Label Consumer Key corresponds to this field.
ConsumerSecret	<i>String</i>	False		Label Consumer Secret corresponds to this field.
ErrorUrl	<i>String</i>	False		Label Custom Error URL corresponds to this field.
AuthorizeUrl	<i>String</i>	False		Label Authorize Endpoint URL corresponds to this field.

TokenUrl	<i>String</i>	False	Label Token Endpoint URL corresponds to this field.
UserInfoUrl	<i>String</i>	False	Label User Info Endpoint URL corresponds to this field.
DefaultScopes	<i>String</i>	False	Label Default Scopes corresponds to this field.

AuthSession

This is a table representing the AuthSession entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the AuthSession.
UserId	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Updated corresponds to this field.

NumSecondsValid	<i>Int</i>	True	Label Valid For corresponds to this field.
UserType	<i>String</i>	True	Label User Type corresponds to this field.
SourceIp	<i>String</i>	True	Label Source IP corresponds to this field.
LoginType	<i>String</i>	True	Label Login corresponds to this field.
SessionType	<i>String</i>	True	Label Session Type corresponds to this field.
SessionSecurityLevel	<i>String</i>	True	Label Session Security Level corresponds to this field.

BrandTemplate

This is a table representing the BrandTemplate entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the BrandTemplate.

Name	<i>String</i>	False		Label Brand Template Name corresponds to this field.
DeveloperName	<i>String</i>	False		Label Letterhead Unique Name corresponds to this field.
IsActive	<i>Boolean</i>	False		Label Active corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
Value	<i>String</i>	False		Label Value corresponds to this field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
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BusinessHours

This is a table representing the BusinessHours entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the BusinessHours.
Name	<i>String</i>	False		Label Business Hours Name corresponds to this field.
IsActive	<i>Boolean</i>	False		Label Active corresponds to this field.
IsDefault	<i>Boolean</i>	False		Label Default Business Hours corresponds to this field.
SundayStartTime	<i>String</i>	False		Label Sunday Start corresponds to this field.
SundayEndTime	<i>String</i>	False		Label Sunday End corresponds to this field.

MondayStartTime	<i>String</i>	False	Label Monday Start corresponds to this field.
MondayEndTime	<i>String</i>	False	Label Monday End corresponds to this field.
TuesdayStartTime	<i>String</i>	False	Label Tuesday Start corresponds to this field.
TuesdayEndTime	<i>String</i>	False	Label Tuesday End corresponds to this field.
WednesdayStartTime	<i>String</i>	False	Label Wednesday Start corresponds to this field.
WednesdayEndTime	<i>String</i>	False	Label Wednesday End corresponds to this field.
ThursdayStartTime	<i>String</i>	False	Label Thursday Start corresponds to this field.
ThursdayEndTime	<i>String</i>	False	Label Thursday End corresponds to this field.
FridayStartTime	<i>String</i>	False	Label Friday Start corresponds to this field.
FridayEndTime	<i>String</i>	False	Label Friday End corresponds to this field.

SaturdayStartTime	String	False		Label Saturday Start corresponds to this field.
SaturdayEndTime	String	False		Label Saturday End corresponds to this field.
TimeZoneSidKey	String	False		Label Time Zone corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.

BusinessProcess

This is a table representing the BusinessProcess entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the BusinessProcess.
Name	String	False		Label Name corresponds to this field.
NamespacePrefix	String	True		Label Namespace Prefix corresponds to this field.
Description	String	False		Label Description corresponds to this field.
TableEnumOrId	String	False		Label Entity Enumeration Or ID corresponds to this field.
IsActive	Boolean	True		Label Active corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified

			Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

CallCenter

This is a table representing the CallCenter entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CallCenter.
Name	<i>String</i>	False		Label Name corresponds to this field.
InternalName	<i>String</i>	False		Label Internal Name corresponds to this field.
Version	<i>Double</i>	False		Label Version corresponds to this field.
AdapterUrl	<i>String</i>	False		Label CTI Adapter URL corresponds to this field.
CustomSettings	<i>String</i>	False		Label Custom Settings corresponds to this

				field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

Campaign

This is a table representing the Campaign entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Campaign.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

Name	<i>String</i>	False	Label Name corresponds to this field.
Type	<i>String</i>	False	Label Type corresponds to this field.
Status	<i>String</i>	False	Label Status corresponds to this field.
StartDate	<i>Datetime</i>	False	Label Start Date corresponds to this field.
EndDate	<i>Datetime</i>	False	Label End Date corresponds to this field.
ExpectedRevenue	<i>Double</i>	False	Label Expected Revenue corresponds to this field.
BudgetedCost	<i>Double</i>	False	Label Budgeted Cost corresponds to this field.
ActualCost	<i>Double</i>	False	Label Actual Cost corresponds to this field.
ExpectedResponse	<i>Double</i>	False	Label Expected Response (%) corresponds to this field.

NumberSent	<i>Double</i>	False	Label Num Sent corresponds to this field.
IsActive	<i>Boolean</i>	False	Label Active corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
NumberOfLeads	<i>Int</i>	True	Label Total Leads corresponds to this field.
NumberOfConvertedLeads	<i>Int</i>	True	Label Converted Leads corresponds to this field.
NumberOfContacts	<i>Int</i>	True	Label Total Contacts corresponds to this field.
NumberOfResponses	<i>Int</i>	True	Label Total Responses corresponds to this field.
NumberOfOpportunities	<i>Int</i>	True	Label Num Total Opportunities corresponds to this field.

NumberOfWonOpportunities	<i>Int</i>	True		Label Num Won Opportunities corresponds to this field.
AmountAllOpportunities	<i>Double</i>	True		Label Total Value Opportunities corresponds to this field.
AmountWonOpportunities	<i>Double</i>	True		Label Total Value Won Opportunities corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to

				this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
LastActivityDate	<i>Datetime</i>	True		Label Last Activity corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
CampaignMemberRecordTypeId	<i>String</i>	False	RecordType .Id	Label Record Type ID corresponds to this field.
Myfield__c	<i>String</i>	False		Label Myfield Nothing to do here corresponds to this field.

CampaignFeed

This is a table representing the CampaignFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CampaignFeed.
ParentId	<i>String</i>	True	Campaign.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment

				Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.

ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

CampaignMember

This is a table representing the CampaignMember entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CampaignMember.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CampaignId	<i>String</i>	False	Campaign.Id	Label Campaign ID corresponds to this field.
LeadId	<i>String</i>	False	Lead.Id	Label Lead ID corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
Status	<i>String</i>	False		Label Status

				corresponds to this field.
HasResponded	<i>Boolean</i>	True		Label Responded corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
FirstRespondedDate	<i>Datetime</i>	True		Label First Responded Date corresponds to this field.

CampaignMemberStatus

This is a table representing the CampaignMemberStatus entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the CampaignMemberStatus.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
CampaignId	String	False	Campaign.Id	Label Campaign ID corresponds to this field.
Label	String	False		Label Label corresponds to this field.
SortOrder	Int	False		Label Sort Order corresponds to this field.
IsDefault	Boolean	False		Label Is Default corresponds to this field.
HasResponded	Boolean	False		Label Responded corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.

CampaignShare

This is a table representing the CampaignShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CampaignShare.
CampaignId	<i>String</i>	True	Campaign.Id	Label Campaign ID corresponds to this field.
UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.
CampaignAccessLevel	<i>String</i>	True		Label Campaign Access corresponds to this field.
RowCause	<i>String</i>	True		Label Row Cause corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

Case

This is a table representing the Case entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Case.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CaseNumber	<i>String</i>	True		Label Case Number corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
AccountId	<i>String</i>	False	Account.Id	Label Account ID corresponds to this field.
AssetId	<i>String</i>	False	Asset.Id	Label Asset ID corresponds to this field.
SuppliedName	<i>String</i>	False		Label Name corresponds to this field.

SuppliedEmail	<i>String</i>	False		Label Email Address corresponds to this field.
SuppliedPhone	<i>String</i>	False		Label Phone corresponds to this field.
SuppliedCompany	<i>String</i>	False		Label Company corresponds to this field.
Type	<i>String</i>	False		Label Case Type corresponds to this field.
RecordTypeId	<i>String</i>	False	RecordType .Id	Label Record Type ID corresponds to this field.
Status	<i>String</i>	False		Label Status corresponds to this field.
Reason	<i>String</i>	False		Label Case Reason corresponds to this field.
Origin	<i>String</i>	False		Label Case Origin corresponds to this field.
Subject	<i>String</i>	False		Label Subject corresponds

			to this field.
Priority	<i>String</i>	False	Label Priority corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
IsClosed	<i>Boolean</i>	True	Label Closed corresponds to this field.
ClosedDate	<i>Datetime</i>	True	Label Closed Date corresponds to this field.
IsEscalated	<i>Boolean</i>	False	Label Escalated corresponds to this field.
HasCommentsUnreadByOwner	<i>Boolean</i>	True	Label New Self-Service Comment corresponds to this field.
HasSelfServiceComments	<i>Boolean</i>	True	Label Self-Service Commented corresponds to this field.
OwnerId	<i>String</i>	False	Label Owner ID corresponds

				to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
EngineeringReqNumber__c	<i>String</i>	False		Label Engineering

			Req Number corresponds to this field.
Product__c	<i>String</i>	False	Label Product corresponds to this field.
SLAViolation__c	<i>String</i>	False	Label SLA Violation corresponds to this field.
PotentialLiability__c	<i>String</i>	False	Label Potential Liability corresponds to this field.
TCO_Presentation__c	<i>Datetime</i>	False	Label TCO_Presentation corresponds to this field.

CaseComment

This is a table representing the CaseComment entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseComment.
ParentId	<i>String</i>	False	Case.Id	Label Parent ID

			corresponds to this field.
IsPublished	<i>Boolean</i>	False	Label Published corresponds to this field.
CommentBody	<i>String</i>	False	Label Body corresponds to this field.
CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.

CaseContactRole

This is a table representing the CaseContactRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseContactRole.
CasesId	<i>String</i>	False	Case.Id	Label Case ID corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
Role	<i>String</i>	False		Label Role corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.
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CaseFeed

This is a table representing the CaseFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseFeed.
ParentId	<i>String</i>	True	Case.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File

			Name corresponds to this field.
ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

CaseHistory

This is a table representing the CaseHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseHistory.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Caseld	<i>String</i>	True	Case.Id	Label Case ID corresponds to this field.

CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
Field	<i>String</i>	True	Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True	Label Old Value corresponds to this field.
NewValue	<i>String</i>	True	Label New Value corresponds to this field.

CaseShare

This is a table representing the CaseShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseShare.
Caseld	<i>String</i>	True	Case.Id	Label Case ID corresponds to this field.
UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.
CaseAccessLevel	<i>String</i>	True		Label Case Access corresponds to this

				field.
RowCause	<i>String</i>	True		Label Row Cause corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

CaseSolution

This is a table representing the CaseSolution entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseSolution.
CaseId	<i>String</i>	False	Case.Id	Label Case ID corresponds to this field.
SolutionId	<i>String</i>	False	Solution.Id	Label Solution ID corresponds to this field.

CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

CaseStatus

This is a table representing the CaseStatus entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseStatus.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsDefault	<i>Boolean</i>	True		Label Is Default

				corresponds to this field.
IsClosed	<i>Boolean</i>	True		Label Is Closed corresponds to this field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CaseTeamMember

This is a table representing the CaseTeamMember entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the

				CaseTeamMember.
ParentId	String	False	Case.Id	Label Case ID corresponds to this field.
MemberId	String	False		Label Member ID corresponds to this field.
TeamTemplateMemberId	String	True	CaseTeamTemplateMember.Id	Label Team Template Member ID corresponds to this field.
TeamRoleId	String	False	CaseTeamRole.Id	Label Team Role ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
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CaseTeamRole

This is a table representing the CaseTeamRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseTeamRole.
Name	<i>String</i>	False		Label Name corresponds to this field.
AccessLevel	<i>String</i>	False		Label Access Level corresponds to this field.
PreferencesVisibleInCSP	<i>Boolean</i>	False		Label Visible in Customer Portal corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to

				this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CaseTeamTemplate

This is a table representing the CaseTeamTemplate entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseTeamTemplate.
Name	<i>String</i>	False		Label Name corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CaseTeamTemplateMember

This is a table representing the CaseTeamTemplateMember entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseTeamTemplateMember.
TeamTemplateId	<i>String</i>	False	CaseTeamTemplate.Id	Label Team Template ID corresponds to this field.
MemberId	<i>String</i>	False		Label Member ID corresponds to this field.

TeamRoleId	<i>String</i>	False	CaseTeamRole.Id	Label Team Role ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CaseTeamTemplateRecord

This is a table representing the CaseTeamTemplateRecord entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CaseTeamTemplateRecord.
ParentId	<i>String</i>	False	Case.Id	Label Case ID corresponds to this field.
TeamTemplateId	<i>String</i>	False	CaseTeamTemplate.Id	Label Team Template ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date

				corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CategoryData

This is a table representing the CategoryData entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CategoryData.
CategoryNodeId	<i>String</i>	False	CategoryNode.Id	Label Category Node ID corresponds to this field.
RelatedSubjectId	<i>String</i>	False	Solution.Id	Label SObject ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.

CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CategoryNode

This is a table representing the CategoryNode entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CategoryNode.
ParentId	<i>String</i>	False	CategoryNode.Id	Label Parent Category Node ID corresponds to this field.
MasterLabel	<i>String</i>	False		Label Name corresponds to this field.

SortOrder	<i>Int</i>	False		Label Sort Order corresponds to this field.
SortStyle	<i>String</i>	False		Label Subcategory Sort Style corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ChatterActivity

This is a table representing the ChatterActivity entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True	Unique identifier of the ChatterActivity.
ParentId	<i>String</i>	True	Label Parent ID corresponds to this field.
PostCount	<i>Int</i>	True	Label Post Count corresponds to this field.
CommentCount	<i>Int</i>	True	Label Comment Count corresponds to this field.
CommentReceivedCount	<i>Int</i>	True	Label Comment Received Count corresponds to this field.
LikeReceivedCount	<i>Int</i>	True	Label Like Received Count corresponds to this field.
InfluenceRawRank	<i>Int</i>	True	Label Influence Raw Rank corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

ClientBrowser

This is a table representing the ClientBrowser entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the ClientBrowser.
UserId	String	True	User.Id	Label User ID corresponds to this field.
FullUserAgent	String	True		Label Full User Agent corresponds to this field.
ProxyInfo	String	True		Label Proxy Info corresponds to this field.
LastUpdate	Datetime	True		Label Last Update corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.

CollaborationGroup

This is a table representing the CollaborationGroup entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the CollaborationGroup.

Name	<i>String</i>	False		Label Name corresponds to this field.
MemberCount	<i>Int</i>	True		Label Member Count corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CollaborationType	<i>String</i>	False		Label Access Type corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

FullPhotoUrl	<i>String</i>	True	Label Url for full-sized Photo corresponds to this field.
SmallPhotoUrl	<i>String</i>	True	Label Url for Thumbnail sized Photo corresponds to this field.
LastFeedModifiedDate	<i>Datetime</i>	True	Label Last Feed Modified Date corresponds to this field.
InformationTitle	<i>String</i>	False	Label Information Title corresponds to this field.
InformationBody	<i>String</i>	False	Label Information corresponds to this field.
HasPrivateFieldsAccess	<i>Boolean</i>	True	Label Has Private Fields Access corresponds to this field.
CanHaveGuests	<i>Boolean</i>	False	Label Allow Customers corresponds to this field.
LastViewedDate	<i>Datetime</i>	True	Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True	Label Last Referenced Date corresponds to this field.

IsArchived	<i>Boolean</i>	False	Label Is Archived corresponds to this field.
IsAutoArchiveDisabled	<i>Boolean</i>	False	Label Is Auto Archive Disabled corresponds to this field.

CollaborationGroupFeed

This is a table representing the CollaborationGroupFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CollaborationGroupFeed.
ParentId	<i>String</i>	True	CollaborationGroup.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted

				corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.

ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

CollaborationGroupMember

This is a table representing the CollaborationGroupMember entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CollaborationGroupMember.
CollaborationGroupId	<i>String</i>	False	CollaborationGroup.Id	Label CollaborationGroup ID corresponds to this field.
MemberId	<i>String</i>	False	User.Id	Label Member ID corresponds to this field.
CollaborationRole	<i>String</i>	False		Label Group Member Role corresponds to this

				field.
NotificationFrequency	<i>String</i>	False		Label Notification Frequency corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CollaborationGroupMemberRequest

This is a table representing the CollaborationGroupMemberRequest entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the CollaborationGroupMemberRequest.
CollaborationGroupId	<i>String</i>	False	CollaborationGroup.Id	Label CollaborationGroup ID corresponds to this field.

RequesterId	String	False	User.Id	Label User ID corresponds to this field.
ResponseMessage	String	True		Label Response Message corresponds to this field.
Status	String	True		Label Status corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.

CollaborationInvitation

This is a table representing the CollaborationInvitation entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the CollaborationInvitation.

ParentId	<i>String</i>	True	CollaborationInvitation.Id	Label Parent ID corresponds to this field.
SharedEntityId	<i>String</i>	False		Label Shared Entity ID corresponds to this field.
InviterId	<i>String</i>	True	User.Id	Label Inviter User ID corresponds to this field.
InvitedUserEmail	<i>String</i>	False		Label Invited Email corresponds to this field.
InvitedUserEmailNormalized	<i>String</i>	True		Label Invited Email (Normalized) corresponds to this field.
Status	<i>String</i>	True		Label Invitation Status corresponds to this field.
OptionalMessage	<i>String</i>	False		Label Optional Message corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Modified Date corresponds to this

				field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Community

This is a table representing the Community entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Community.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to

				this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
Name	<i>String</i>	True		Label Name corresponds to this field.
Description	<i>String</i>	True		Label Description corresponds to this field.
IsActive	<i>Boolean</i>	True		Label Active corresponds to this field.

Contact

This is a table representing the Contact entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Contact.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
MasterRecordId	<i>String</i>	True	Contact.Id	Label Master Record ID corresponds to this field.

AccountId	<i>String</i>	False	Account.Id	Label Account ID corresponds to this field.
LastName	<i>String</i>	False		Label Last Name corresponds to this field.
FirstName	<i>String</i>	False		Label First Name corresponds to this field.
Salutation	<i>String</i>	False		Label Salutation corresponds to this field.
Name	<i>String</i>	True		Label Full Name corresponds to this field.
OtherStreet	<i>String</i>	False		Label Other Street corresponds to this field.
OtherCity	<i>String</i>	False		Label Other City corresponds to this field.
OtherState	<i>String</i>	False		Label Other State/Province corresponds to this field.
OtherPostalCode	<i>String</i>	False		Label Other Zip/Postal Code corresponds to this field.
OtherCountry	<i>String</i>	False		Label Other Country corresponds to this

			field.
OtherLatitude	<i>Double</i>	False	Label Other Latitude corresponds to this field.
OtherLongitude	<i>Double</i>	False	Label Other Longitude corresponds to this field.
MailingStreet	<i>String</i>	False	Label Mailing Street corresponds to this field.
MailingCity	<i>String</i>	False	Label Mailing City corresponds to this field.
MailingState	<i>String</i>	False	Label Mailing State/Province corresponds to this field.
MailingPostalCode	<i>String</i>	False	Label Mailing Zip/Postal Code corresponds to this field.
MailingCountry	<i>String</i>	False	Label Mailing Country corresponds to this field.
MailingLatitude	<i>Double</i>	False	Label Mailing Latitude corresponds to this field.

MailingLongitude	<i>Double</i>	False		Label Mailing Longitude corresponds to this field.
Phone	<i>String</i>	False		Label Business Phone corresponds to this field.
Fax	<i>String</i>	False		Label Business Fax corresponds to this field.
MobilePhone	<i>String</i>	False		Label Mobile Phone corresponds to this field.
HomePhone	<i>String</i>	False		Label Home Phone corresponds to this field.
OtherPhone	<i>String</i>	False		Label Other Phone corresponds to this field.
AssistantPhone	<i>String</i>	False		Label Asst. Phone corresponds to this field.
ReportsTold	<i>String</i>	False	Contact.Id	Label Reports To ID corresponds to this field.
Email	<i>String</i>	False		Label Email corresponds to this field.
Title	<i>String</i>	False		Label Title corresponds to this field.

Department	<i>String</i>	False		Label Department corresponds to this field.
AssistantName	<i>String</i>	False		Label Assistant's Name corresponds to this field.
LeadSource	<i>String</i>	False		Label Lead Source corresponds to this field.
Birthdate	<i>Datetime</i>	False		Label Birthdate corresponds to this field.
Description	<i>String</i>	False		Label Contact Description corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
LastActivityDate	<i>Datetime</i>	True	Label Last Activity corresponds to this field.
LastCURequestDate	<i>Datetime</i>	True	Label Last Stay-in-Touch Request Date corresponds to this field.
LastCUUpdateDate	<i>Datetime</i>	True	Label Last Stay-in-Touch Save Date corresponds to this field.
LastViewedDate	<i>Datetime</i>	True	Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True	Label Last Referenced Date corresponds to this field.
EmailBouncedReason	<i>String</i>	False	Label Email Bounced Reason corresponds to this field.
EmailBouncedDate	<i>Datetime</i>	False	Label Email Bounced Date corresponds to this field.
IsEmailBounced	<i>Boolean</i>	True	Label Is Email Bounced

				corresponds to this field.
Jigsaw	<i>String</i>	False		Label Data.com Key corresponds to this field.
JigsawContactId	<i>String</i>	True		Label Jigsaw Contact ID corresponds to this field.
Languages__c	<i>String</i>	False		Label Languages corresponds to this field.
Level__c	<i>String</i>	False		Label Level corresponds to this field.
MyNote__c	<i>String</i>	False		Label MyNote corresponds to this field.
MyExternalId__c	<i>String</i>	False		Label MyExternalId corresponds to this field.
MyExternalId2__c	<i>String</i>	False		Label MyExternalId2 corresponds to this field.
AcctLookup__c	<i>String</i>	False	Account.Id	Label Account corresponds to this field.

ContactFeed

This is a table representing the ContactFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContactFeed.
ParentId	<i>String</i>	True	Contact.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment

				Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.

ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

ContactHistory

This is a table representing the ContactHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContactHistory.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ContactId	<i>String</i>	True	Contact.Id	Label Contact ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
Field	<i>String</i>	True		Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True		Label Old Value corresponds to this field.

NewValue	<i>String</i>	True	Label New Value corresponds to this field.
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ContactShare

This is a table representing the ContactShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContactShare.
ContactId	<i>String</i>	True	Contact.Id	Label Contact ID corresponds to this field.
UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.
ContactAccessLevel	<i>String</i>	True		Label Contact Access corresponds to this field.
RowCause	<i>String</i>	True		Label Row Cause corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to

			this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.

ContentDocument

This is a table representing the ContentDocument entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContentDocument.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
IsArchived	<i>Boolean</i>	True		Label Is Archived corresponds to this field.

ArchivedById	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
ArchivedDate	<i>Datetime</i>	True		Label Archived Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Is Deleted corresponds to this field.
OwnerId	<i>String</i>	True	User.Id	Label Owner ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
PublishStatus	<i>String</i>	True		Label Publish Status corresponds to this field.
LatestPublishedVersionId	<i>String</i>	True	ContentVersion.Id	Label Latest Published Version ID corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date

corresponds to this field.

ContentDocumentFeed

This is a table representing the ContentDocumentFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the ContentDocumentFeed.
ParentId	String	True	ContentDocument .Id	Label Parent ID corresponds to this field.
Type	String	True		Label Feed Item Type corresponds to this field.
CreatedById	String	True		Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to

				this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this

			field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

ContentDocumentHistory

This is a table representing the ContentDocumentHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContentDocumentHistory.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ContentDocumentId	<i>String</i>	True	ContentDocument.Id	Label ContentDocument ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date

			corresponds to this field.
Field	<i>String</i>	True	Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True	Label Old Value corresponds to this field.
NewValue	<i>String</i>	True	Label New Value corresponds to this field.

ContentDocumentLink

This is a table representing the ContentDocumentLink entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContentDocumentLink.
LinkedEntityId	<i>String</i>	False		Label Linked Entity ID corresponds to this field.
ContentDocumentId	<i>String</i>	False	ContentDocument .Id	Label ContentDocument ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Is Deleted corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
ShareType	<i>String</i>	False	Label Share Type corresponds to this field.

ContentVersion

This is a table representing the ContentVersion entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContentVersion.
ContentDocumentId	<i>String</i>	False	ContentDocument .Id	Label ContentDocument ID corresponds to this field.
IsLatest	<i>Boolean</i>	True		Label Is Latest corresponds to this field.
ContentUrl	<i>String</i>	False		Label Content URL corresponds to this field.
VersionNumber	<i>String</i>	True		Label Version Number corresponds to

				this field.
Title	<i>String</i>	False		Label Title corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
ReasonForChange	<i>String</i>	False		Label Reason For Change corresponds to this field.
PathOnClient	<i>String</i>	False		Label Path On Client corresponds to this field.
RatingCount	<i>Int</i>	True		Label Rating Count corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Is Deleted corresponds to this field.
ContentModifiedDate	<i>Datetime</i>	True		Label Content Modified Date corresponds to this field.
ContentModifiedById	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
PositiveRatingCount	<i>Int</i>	True		Label Positive Rating Count corresponds to this field.

NegativeRatingCount	<i>Int</i>	True		Label Negative Rating Count corresponds to this field.
FeaturedContentBoost	<i>Int</i>	True		Label Featured Content Boost corresponds to this field.
FeaturedContentDate	<i>Datetime</i>	True		Label Featured Content Date corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to

			this field.
TagCsv	<i>String</i>	False	Label Tags corresponds to this field.
FileType	<i>String</i>	True	Label File Type corresponds to this field.
PublishStatus	<i>String</i>	True	Label Publish Status corresponds to this field.
VersionData	<i>String</i>	False	Label Version Data corresponds to this field.
ContentSize	<i>Int</i>	True	Label Size corresponds to this field.
FirstPublishLocationId	<i>String</i>	False	Label First Publish Location ID corresponds to this field.
Origin	<i>String</i>	False	Label Content Origin corresponds to this field.
Checksum	<i>String</i>	True	Label Checksum corresponds to this field.

ContentVersionHistory

This is a table representing the ContentVersionHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the ContentVersionHistory.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
ContentVersionId	String	True	ContentVersion .Id	Label ContentVersion ID corresponds to this field.
CreatedById	String	True		Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
Field	String	True		Label Changed Field corresponds to this field.
OldValue	String	True		Label Old Value corresponds to this field.
NewValue	String	True		Label New Value corresponds to this field.

Contract

This is a table representing the Contract entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Contract.
AccountId	<i>String</i>	False	Account.Id	Label Account ID corresponds to this field.
OwnerExpirationNotice	<i>String</i>	False		Label Owner Expiration Notice corresponds to this field.
StartDate	<i>Datetime</i>	False		Label Contract Start Date corresponds to this field.
EndDate	<i>Datetime</i>	True		Label Contract End Date corresponds to this field.
BillingStreet	<i>String</i>	False		Label Billing Street corresponds to this field.
BillingCity	<i>String</i>	False		Label Billing City corresponds to this field.
BillingState	<i>String</i>	False		Label Billing State/Province corresponds to

				this field.
BillingPostalCode	<i>String</i>	False		Label Billing Zip/Postal Code corresponds to this field.
BillingCountry	<i>String</i>	False		Label Billing Country corresponds to this field.
BillingLatitude	<i>Double</i>	False		Label Billing Latitude corresponds to this field.
BillingLongitude	<i>Double</i>	False		Label Billing Longitude corresponds to this field.
ContractTerm	<i>Int</i>	False		Label Contract Term corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
Status	<i>String</i>	False		Label Status corresponds to this field.
CompanySignedId	<i>String</i>	False	User.Id	Label Company Signed By ID corresponds to this field.
CompanySignedDate	<i>Datetime</i>	False		Label Company

				Signed Date corresponds to this field.
CustomerSignedId	<i>String</i>	False	Contact.Id	Label Customer Signed By ID corresponds to this field.
CustomerSignedTitle	<i>String</i>	False		Label Customer Signed Title corresponds to this field.
CustomerSignedDate	<i>Datetime</i>	False		Label Customer Signed Date corresponds to this field.
SpecialTerms	<i>String</i>	False		Label Special Terms corresponds to this field.
ActivatedById	<i>String</i>	True	User.Id	Label Activated By ID corresponds to this field.
ActivatedDate	<i>Datetime</i>	True		Label Activated Date corresponds to this field.
StatusCode	<i>String</i>	True		Label Status Category corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.

IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ContractNumber	<i>String</i>	True		Label Contract Number corresponds to this field.
LastApprovedDate	<i>Datetime</i>	True		Label Last Approved Date corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
LastActivityDate	<i>Datetime</i>	True		Label Last Activity corresponds to this field.

LastViewedDate	<i>Datetime</i>	True	Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True	Label Last Referenced Date corresponds to this field.

ContractContactRole

This is a table representing the ContractContactRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContractContactRole.
ContractId	<i>String</i>	False	Contract.Id	Label Contract ID corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
Role	<i>String</i>	False		Label Role corresponds to this field.
IsPrimary	<i>Boolean</i>	False		Label Primary corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date

				corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

ContractFeed

This is a table representing the ContractFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContractFeed.
ParentId	<i>String</i>	True	Contract.Id	Label Parent ID corresponds to

			this field.
Type	<i>String</i>	True	Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True	Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True	Label Like Count corresponds to this field.
Title	<i>String</i>	True	Label Title corresponds to this field.

Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True		Label InsertedById corresponds to this field.

ContractHistory

This is a table representing the ContractHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the ContractHistory.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
ContractId	String	True	Contract.Id	Label Contract ID corresponds to this field.
CreatedById	String	True		Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
Field	String	True		Label Changed Field corresponds to this field.
OldValue	String	True		Label Old Value corresponds to this field.
NewValue	String	True		Label New Value corresponds to this field.

ContractStatus

This is a table representing the ContractStatus entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ContractStatus.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsDefault	<i>Boolean</i>	True		Label Is Default corresponds to this field.
StatusCode	<i>String</i>	True		Label Status Code corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

CronJobDetail

This is a table representing the CronJobDetail entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the CronJobDetail.
Name	String	True		Label Job Name corresponds to this field.
JobType	String	True		Label Type corresponds to this field.

CronTrigger

This is a table representing the CronTrigger entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the CronTrigger.
CronJobDetailId	String	True	CronJobDetail.Id	Label Job ID corresponds to this

				field.
NextFireTime	<i>Datetime</i>	True		Label Next Run Time corresponds to this field.
PreviousFireTime	<i>Datetime</i>	True		Label Previous Run Time corresponds to this field.
State	<i>String</i>	True		Label Job State corresponds to this field.
StartTime	<i>Datetime</i>	True		Label Start Time corresponds to this field.
EndTime	<i>Datetime</i>	True		Label End Time corresponds to this field.
CronExpression	<i>String</i>	True		Label Cron Expression corresponds to this field.
TimeZoneSidKey	<i>String</i>	True		Label Java Time Zone Id corresponds to this field.
OwnerId	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
CreatedBy	<i>String</i>	True	User.Id	Label Created By ID corresponds to this

			field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
TimesTriggered	<i>Int</i>	True	Label Job Fired Count corresponds to this field.

Dashboard

This is a table representing the Dashboard entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Dashboard.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
FolderId	<i>String</i>	True		Label Folder ID corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
DeveloperName	<i>String</i>	True		Label Dashboard Unique Name corresponds to this

				field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Description	<i>String</i>	True		Label Description corresponds to this field.
LeftSize	<i>String</i>	True		Label Left Size corresponds to this field.
MiddleSize	<i>String</i>	True		Label Middle Size corresponds to this field.
RightSize	<i>String</i>	True		Label Right Size corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp

				corresponds to this field.
RunningUserId	<i>String</i>	True	User.Id	Label Running User ID corresponds to this field.
TitleColor	<i>Int</i>	True		Label Title Color corresponds to this field.
TitleSize	<i>Int</i>	True		Label Title Size corresponds to this field.
TextColor	<i>Int</i>	True		Label Text Color corresponds to this field.
BackgroundStart	<i>Int</i>	True		Label Starting Color corresponds to this field.
BackgroundEnd	<i>Int</i>	True		Label Ending Color corresponds to this field.
BackgroundDirection	<i>String</i>	True		Label Background Fade Direction corresponds to this field.
Type	<i>String</i>	True		Label Dashboard Running User corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.

LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
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DashboardComponent

This is a table representing the DashboardComponent entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the DashboardComponent.
Name	<i>String</i>	True		Label Dashboard Component Name corresponds to this field.
DashboardId	<i>String</i>	True	Dashboard.Id	Label Dashboard ID corresponds to this field.

DashboardComponentFeed

This is a table representing the DashboardComponentFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True		Unique identifier of the DashboardComponentFeed.
ParentId	<i>String</i>	True	DashboardComponent.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.

RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True		Label InsertedBy ID corresponds to this field.

DashboardFeed

This is a table representing the DashboardFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the DashboardFeed.
ParentId	<i>String</i>	True	Dashboard.Id	Label Parent ID corresponds to this field.

Type	<i>String</i>	True	Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True	Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True	Label Like Count corresponds to this field.
Title	<i>String</i>	True	Label Title corresponds to this field.
Body	<i>String</i>	True	Label Body corresponds to

				this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True		Label InsertedById corresponds to this field.

DeclinedEventRelation

This is a table representing the DeclinedEventRelation entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the DeclinedEventRelation.
RelationId	String	True		Label Relation ID corresponds to this field.
EventId	String	True	Event.Id	Label Event ID corresponds to this field.
RespondedDate	Datetime	True		Label Response Date corresponds to this field.
Response	String	True		Label Response corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
Type	String	True		Label Type corresponds to this field.

Document

This is a table representing the Document entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Document.
FolderId	<i>String</i>	False		Label Folder ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Name	<i>String</i>	False		Label Document Name corresponds to this field.
DeveloperName	<i>String</i>	False		Label Document Unique Name corresponds to this field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
ContentType	<i>String</i>	False		Label MIME Type corresponds to this field.
Type	<i>String</i>	False		Label File Extension

				corresponds to this field.
IsPublic	<i>Boolean</i>	False		Label Externally Available corresponds to this field.
BodyLength	<i>Int</i>	True		Label Body Length corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
Url	<i>String</i>	False		Label Url corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
Keywords	<i>String</i>	False		Label Keywords corresponds to this field.
IsInternalUseOnly	<i>Boolean</i>	False		Label Internal Use Only corresponds to this field.
AuthorId	<i>String</i>	False	User.Id	Label Author ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this

				field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsBodySearchable	<i>Boolean</i>	True		Label Document Content Searchable corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.

DocumentAttachmentMap

This is a table representing the DocumentAttachmentMap entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id	<i>String</i>	True		Unique identifier of the

[KEY]				DocumentAttachmentMap.
ParentId	<i>String</i>	False	EmailTemplate .Id	Label Entity ID corresponds to this field.
DocumentId	<i>String</i>	False	Document .Id	Label Document ID corresponds to this field.
DocumentSequence	<i>Int</i>	False		Label Attachment Sequence corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User .Id	Label Created By ID corresponds to this field.

Domain

This is a table representing the Domain entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Domain.
DomainType	<i>String</i>	True		Label Domain Type corresponds to this field.
Domain	<i>String</i>	True		Label Domain Name corresponds to this

				field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

DomainSite

This is a table representing the DomainSite entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the DomainSite.
DomainId	<i>String</i>	True	Domain.Id	Label Domain ID corresponds to this field.

Siteld	<i>String</i>	True	Site.Id	Label Site ID corresponds to this field.
PathPrefix	<i>String</i>	True		Label Path corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

EmailServicesAddress

This is a table representing the EmailServicesAddress entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the

				EmailServicesAddress.
IsActive	Boolean	False		Label Active corresponds to this field.
LocalPart	String	False		Label Email address corresponds to this field.
EmailDomainName	String	True		Label Email address domain corresponds to this field.
AuthorizedSenders	String	False		Label Accept Email From corresponds to this field.
RunAsUserId	String	False	User.Id	Label User ID corresponds to this field.
FunctionId	String	False	EmailServicesFunction.Id	Label Service ID corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified

			Date corresponds to this field.
SystemModstamp	Datetime	True	Label System Modstamp corresponds to this field.

EmailServicesFunction

This is a table representing the EmailServicesFunction entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the EmailServicesFunction.
IsActive	Boolean	False		Label Active corresponds to this field.
FunctionName	String	False		Label Email Service Name corresponds to this field.
AuthorizedSenders	String	False		Label Accept Email From corresponds to this field.
IsAuthenticationRequired	Boolean	False		Label Advanced Email Security Settings corresponds to this field.

IsTlsRequired	<i>Boolean</i>	False		Label TLS Required corresponds to this field.
AttachmentOption	<i>String</i>	False		Label Accept Attachments corresponds to this field.
ApexClassId	<i>String</i>	False	ApexClass.Id	Label Class ID corresponds to this field.
OverLimitAction	<i>String</i>	False		Label Over Email Rate Limit Action corresponds to this field.
FunctionInactiveAction	<i>String</i>	False		Label Deactivated Email Service Action corresponds to this field.
AddressInactiveAction	<i>String</i>	False		Label Deactivated Email Address Action corresponds to this field.
AuthenticationFailureAction	<i>String</i>	False		Label Unauthenticated Sender Action corresponds to this field.
AuthorizationFailureAction	<i>String</i>	False		Label Unauthorized Sender Action corresponds to this field.
IsErrorRoutingEnabled	<i>Boolean</i>	False		Label Enable Error Routing corresponds

				to this field.
ErrorRoutingAddress	<i>String</i>	False		Label Route Error Emails to This Email Address corresponds to this field.
IsTextAttachmentsAsBinary	<i>Boolean</i>	False		Label Convert Text Attachments to Binary Attachments corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

EmailTemplate

This is a table representing the EmailTemplate entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the EmailTemplate.
Name	String	False		Label Email Template Name corresponds to this field.
DeveloperName	String	False		Label Template Unique Name corresponds to this field.
NamespacePrefix	String	True		Label Namespace Prefix corresponds to this field.
OwnerId	String	False	User.Id	Label Owner ID corresponds to this field.
FolderId	String	False		Label Folder ID corresponds to this field.
BrandTemplateId	String	False	BrandTemplate.Id	Label Letterhead ID corresponds to this field.
TemplateStyle	String	False		Label Style corresponds to this field.
IsActive	Boolean	False		Label Available For

				Use corresponds to this field.
TemplateType	<i>String</i>	False		Label Template Type corresponds to this field.
Encoding	<i>String</i>	False		Label Encoding corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
Subject	<i>String</i>	False		Label Subject corresponds to this field.
HtmlValue	<i>String</i>	False		Label HTML Value corresponds to this field.
Body	<i>String</i>	False		Label Email Body corresponds to this field.
TimesUsed	<i>Int</i>	True		Label Times Used corresponds to this field.
LastUsedDate	<i>Datetime</i>	True		Label Last Used Date corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID

				corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
ApiVersion	<i>Double</i>	False		Label API Version corresponds to this field.
Markup	<i>String</i>	False		Label Markup corresponds to this field.

EntitySubscription

This is a table representing the EntitySubscription entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the EntitySubscription.
ParentId	<i>String</i>	False		Label Parent ID corresponds

				to this field.
SubscriberId	<i>String</i>	False	User.Id	Label Subscriber ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

Event

This is a table representing the Event entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Event.
Whold	<i>String</i>	False		Label Contact/Lead ID corresponds to this field.
WhatId	<i>String</i>	False		Label Opportunity/Account ID corresponds to this field.
Subject	<i>String</i>	False		Label Subject corresponds to this

				field.
Location	<i>String</i>	False		Label Location corresponds to this field.
IsAllDayEvent	<i>Boolean</i>	False		Label All-Day Event corresponds to this field.
ActivityDateTime	<i>Datetime</i>	False		Label Due Date Time corresponds to this field.
ActivityDate	<i>Datetime</i>	False		Label Due Date Only corresponds to this field.
DurationInMinutes	<i>Int</i>	False		Label Duration corresponds to this field.
StartDateTime	<i>Datetime</i>	False		Label Start Date Time corresponds to this field.
EndTime	<i>Datetime</i>	False		Label End Date Time corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
AccountId	<i>String</i>	True	Account.Id	Label Account ID corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Assigned To ID corresponds to this

				field.
IsPrivate	<i>Boolean</i>	False		Label Private corresponds to this field.
ShowAs	<i>String</i>	False		Label Show Time As corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
IsChild	<i>Boolean</i>	True		Label Is Child corresponds to this field.
IsGroupEvent	<i>Boolean</i>	True		Label Is Group Event corresponds to this field.
GroupEventType	<i>String</i>	True		Label Group Event Type corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to

				this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsArchived	<i>Boolean</i>	True		Label Archived corresponds to this field.
RecurrenceActivityId	<i>String</i>	True	Event.Id	Label Recurrence Activity ID corresponds to this field.
IsRecurrence	<i>Boolean</i>	False		Label Create Recurring Series of Events corresponds to this field.
RecurrenceStartDateTime	<i>Datetime</i>	False		Label Start Date corresponds to this field.
RecurrenceEndDateOnly	<i>Datetime</i>	False		Label End Date corresponds to this field.
RecurrenceTimeZoneSidKey	<i>String</i>	False		Label Recurrence Time Zone corresponds to this field.
RecurrenceType	<i>String</i>	False		Label Recurrence Type corresponds to this field.
RecurrenceInterval	<i>Int</i>	False		Label Recurrence Interval corresponds

			to this field.
RecurrenceDayOfWeekMask	<i>Int</i>	False	Label Recurrence Day of Week Mask corresponds to this field.
RecurrenceDayOfMonth	<i>Int</i>	False	Label Recurrence Day of Month corresponds to this field.
RecurrenceInstance	<i>String</i>	False	Label Recurrence Instance corresponds to this field.
RecurrenceMonthOfYear	<i>String</i>	False	Label Recurrence Month of Year corresponds to this field.
ReminderDateTime	<i>Datetime</i>	False	Label Reminder Date/Time corresponds to this field.
IsReminderSet	<i>Boolean</i>	False	Label Reminder Set corresponds to this field.

EventFeed

This is a table representing the EventFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True		Unique identifier of the EventFeed.
ParentId	<i>String</i>	True	Event.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to

				this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.

InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.
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EventRelation

This is a table representing the EventRelation entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the EventRelation.
RelationId	<i>String</i>	False		Label Relation ID corresponds to this field.
EventId	<i>String</i>	False	Event.Id	Label Event ID corresponds to this field.
Status	<i>String</i>	False		Label Status corresponds to this field.
RespondedDate	<i>Datetime</i>	False		Label Response Date corresponds to this field.
Response	<i>String</i>	False		Label Response corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date

				corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

FeedComment

This is a table representing the FeedComment entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the FeedComment.
FeedItemId	<i>String</i>	False		Label Feed Item ID corresponds to this

				field.
ParentId	<i>String</i>	True		Label Parent ID corresponds to this field.
CreatedById	<i>String</i>	False		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	False		Label Created Date corresponds to this field.
CommentBody	<i>String</i>	False		Label Comment Body corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
InsertedById	<i>String</i>	True	User.Id	Label InsertedBy ID corresponds to this field.
CommentType	<i>String</i>	False		Label Comment Type corresponds to this field.
RelatedRecordId	<i>String</i>	False	ContentVersion.Id	Label Related Record ID corresponds to this field.

FeedItem

This is a table representing the FeedItem entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the FeedItem.
ParentId	<i>String</i>	False		Label Parent ID corresponds to this field.
Type	<i>String</i>	False		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	False		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	False		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment

				Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	False		Label Title corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
LinkUrl	<i>String</i>	False		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	False	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	False		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	False		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	False		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.

ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

FeedPollChoice

This is a table representing the FeedPollChoice entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the FeedPollChoice.
FeedItemId	<i>String</i>	True		Label Feed Item ID corresponds to this field.
Position	<i>Int</i>	True		Label Position corresponds to this field.
ChoiceBody	<i>String</i>	True		Label ChoiceBody corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

FeedPollVote

This is a table representing the FeedPollVote entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the FeedPollVote.
FeedItemId	String	True		Label Feed Item ID corresponds to this field.
ChoiceId	String	True	FeedPollChoice.Id	Label Feed Poll Choice ID corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.

FieldPermissions

This is a table representing the FieldPermissions entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the FieldPermissions.
ParentId	String	False	PermissionSet.Id	Label Parent ID corresponds to this field.
SubjectType	String	False		Label Subject Type Name corresponds to this field.
Field	String	False		Label Field Name corresponds to this field.
PermissionsEdit	Boolean	False		Label Edit Field corresponds to this field.
PermissionsRead	Boolean	False		Label Read Field corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.

FiscalYearSettings

This is a table representing the FiscalYearSettings entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the FiscalYearSettings.
PeriodId	String	True	Period.Id	Label Period ID corresponds to this field.
StartDate	Datetime	True		Label Start Date corresponds to this field.
EndDate	Datetime	True		Label End Date corresponds to this field.
Name	String	True		Label Name corresponds to this field.
IsStandardYear	Boolean	True		Label Is Standard Year corresponds to this field.
YearType	String	True		Label Year Type corresponds to this field.
QuarterLabelScheme	String	True		Label Quarter Name Scheme corresponds

			to this field.
PeriodLabelScheme	<i>String</i>	True	Label Period Name Scheme corresponds to this field.
WeekLabelScheme	<i>String</i>	True	Label Week Name Scheme corresponds to this field.
QuarterPrefix	<i>String</i>	True	Label Quarter Prefix corresponds to this field.
PeriodPrefix	<i>String</i>	True	Label Period Prefix corresponds to this field.
WeekStartDay	<i>Int</i>	True	Label Week Start Day corresponds to this field.
Description	<i>String</i>	True	Label Description corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

Folder

This is a table representing the Folder entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the Folder.
Name	String	False		Label Name corresponds to this field.
DeveloperName	String	False		Label Folder Unique Name corresponds to this field.
AccessType	String	False		Label Access Type corresponds to this field.
IsReadOnly	Boolean	False		Label Read Only corresponds to this field.
Type	String	False		Label Type corresponds to this field.
NamespacePrefix	String	True		Label Namespace Prefix corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.

LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ForecastShare

This is a table representing the ForecastShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ForecastShare.
UserRoleId	<i>String</i>	True	UserRole.Id	Label User Role ID corresponds to this field.
UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.
AccessLevel	<i>String</i>	True		Label Forecast Access corresponds to this field.
CanSubmit	<i>Boolean</i>	True		Label Submit Allowed corresponds to this field.
RowCause	<i>String</i>	True		Label Row Cause

				corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

Group

This is a table representing the Group entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Group.
Name	<i>String</i>	False		Label Name corresponds to this field.
DeveloperName	<i>String</i>	False		Label Developer Name corresponds to this field.
RelatedId	<i>String</i>	True		Label Related ID corresponds to this field.

Type	<i>String</i>	False		Label Type corresponds to this field.
Email	<i>String</i>	False		Label Email corresponds to this field.
OwnerId	<i>String</i>	True		Label Owner ID corresponds to this field.
DoesSendEmailToMembers	<i>Boolean</i>	False		Label Send Email to Members corresponds to this field.
DoesIncludeBosses	<i>Boolean</i>	False		Label Include Bosses corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID

			corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

GroupMember

This is a table representing the GroupMember entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the GroupMember.
GroupId	<i>String</i>	False	Group.Id	Label Group ID corresponds to this field.
UserOrGroupId	<i>String</i>	False		Label User/Group ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

HashtagDefinition

This is a table representing the HashtagDefinition entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the HashtagDefinition.
NameNorm	<i>String</i>	True		Label Normalized Hashtag Text corresponds to this field.
Name	<i>String</i>	True		Label Hashtag Text corresponds to this field.
HashtagCount	<i>Int</i>	True		Label Hashtag Count corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Holiday

This is a table representing the Holiday entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Holiday.
Name	<i>String</i>	False		Label Holiday Name corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
IsAllDay	<i>Boolean</i>	False		Label All Day corresponds to this field.
ActivityDate	<i>Datetime</i>	False		Label Holiday Date corresponds to this field.
StartTimeInMinutes	<i>Int</i>	False		Label Start Time In Minutes From Midnight corresponds to this field.
EndTimeInMinutes	<i>Int</i>	False		Label End Time In Minutes From Midnight corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created

				Date corresponds to this field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsRecurrence	<i>Boolean</i>	False		Label Recurring Holiday corresponds to this field.
RecurrenceStartDate	<i>Datetime</i>	False		Label Start Date corresponds to this field.
RecurrenceEndDateOnly	<i>Datetime</i>	False		Label End Date corresponds to this field.

RecurrenceType	<i>String</i>	False	Label Recurrence Type corresponds to this field.
RecurrenceInterval	<i>Int</i>	False	Label Recurrence Interval corresponds to this field.
RecurrenceDayOfWeekMask	<i>Int</i>	False	Label Recurrence Day of Week Mask corresponds to this field.
RecurrenceDayOfMonth	<i>Int</i>	False	Label Recurrence Day of Month corresponds to this field.
RecurrenceInstance	<i>String</i>	False	Label Recurrence Instance corresponds to this field.
RecurrenceMonthOfYear	<i>String</i>	False	Label Recurrence Month of Year corresponds to this field.

Lead

This is a table representing the Lead entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the Lead.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
MasterRecordId	String	True	Lead.Id	Label Master Record ID corresponds to this field.
LastName	String	False		Label Last Name corresponds to this field.
FirstName	String	False		Label First Name corresponds to this field.
Salutation	String	False		Label Salutation corresponds to this field.
Name	String	True		Label Full Name corresponds to this field.
Title	String	False		Label Title corresponds to this field.
Company	String	False		Label Company corresponds to this field.

Street	<i>String</i>	False	Label Street corresponds to this field.
City	<i>String</i>	False	Label City corresponds to this field.
State	<i>String</i>	False	Label State/Province corresponds to this field.
PostalCode	<i>String</i>	False	Label Zip/Postal Code corresponds to this field.
Country	<i>String</i>	False	Label Country corresponds to this field.
Latitude	<i>Double</i>	False	Label Latitude corresponds to this field.
Longitude	<i>Double</i>	False	Label Longitude corresponds to this field.
Phone	<i>String</i>	False	Label Phone corresponds to this field.
MobilePhone	<i>String</i>	False	Label Mobile Phone corresponds to this field.
Fax	<i>String</i>	False	Label Fax corresponds to

			this field.
Email	<i>String</i>	False	Label Email corresponds to this field.
Website	<i>String</i>	False	Label Website corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
LeadSource	<i>String</i>	False	Label Lead Source corresponds to this field.
Status	<i>String</i>	False	Label Status corresponds to this field.
Industry	<i>String</i>	False	Label Industry corresponds to this field.
Rating	<i>String</i>	False	Label Rating corresponds to this field.
AnnualRevenue	<i>Double</i>	False	Label Annual Revenue corresponds to this field.
NumberOfEmployees	<i>Int</i>	False	Label Employees corresponds to this field.
OwnerId	<i>String</i>	False	Label Owner ID

				corresponds to this field.
IsConverted	<i>Boolean</i>	False		Label Converted corresponds to this field.
ConvertedDate	<i>Datetime</i>	True		Label Converted Date corresponds to this field.
ConvertedAccountId	<i>String</i>	True	Account.Id	Label Converted Account ID corresponds to this field.
ConvertedContactId	<i>String</i>	True	Contact.Id	Label Converted Contact ID corresponds to this field.
ConvertedOpportunityId	<i>String</i>	True	Opportunity .Id	Label Converted Opportunity ID corresponds to this field.
IsUnreadByOwner	<i>Boolean</i>	False		Label Unread By Owner corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last

				Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.
LastActivityDate	Datetime	True		Label Last Activity corresponds to this field.
LastViewedDate	Datetime	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	Datetime	True		Label Last Referenced Date corresponds to this field.
Jigsaw	String	False		Label Data.com Key corresponds to this field.
JigsawContactId	String	True		Label Jigsaw Contact ID corresponds to this field.
EmailBouncedReason	String	True		Label Email Bounced Reason corresponds to this field.

EmailBouncedDate	<i>Datetime</i>	True	Label Email Bounced Date corresponds to this field.
SICCode__c	<i>String</i>	False	Label SIC Code corresponds to this field.
Primary__c	<i>String</i>	False	Label Primary corresponds to this field.
NumberofLocations__c	<i>Double</i>	False	Label Number of Locations corresponds to this field.
ProductInterest__c	<i>String</i>	False	Label Product Interest corresponds to this field.
CurrentGenerators__c	<i>String</i>	False	Label Current Generator(s) corresponds to this field.
New_Text_Field__c	<i>String</i>	False	Label New Text Field corresponds to this field.
External_Id_Field__c	<i>String</i>	False	Label External Id Field corresponds to this field.
External_Id_2__c	<i>String</i>	False	Label External_Id_2 corresponds to this field.

AutoNumberTest__c	<i>String</i>	True	Label AutoNumberTest corresponds to this field.
Formula__c	<i>Datetime</i>	True	Label Formula corresponds to this field.

LeadFeed

This is a table representing the LeadFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the LeadFeed.
ParentId	<i>String</i>	True	Lead.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.

IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content

			Data corresponds to this field.
ContentFileName	<i>String</i>	True	Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

LeadHistory

This is a table representing the LeadHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the LeadHistory.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds

				to this field.
LeadId	<i>String</i>	True	Lead.Id	Label Lead ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
Field	<i>String</i>	True		Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True		Label Old Value corresponds to this field.
NewValue	<i>String</i>	True		Label New Value corresponds to this field.

LeadShare

This is a table representing the LeadShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the LeadShare.
LeadId	<i>String</i>	True	Lead.Id	Label Lead ID corresponds to this field.

UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.
LeadAccessLevel	<i>String</i>	True		Label Lead Access corresponds to this field.
RowCause	<i>String</i>	True		Label Row Cause corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

LeadStatus

This is a table representing the LeadStatus entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the LeadStatus.
MasterLabel	<i>String</i>	True		Label Master Label

				corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsDefault	<i>Boolean</i>	True		Label Is Default corresponds to this field.
IsConverted	<i>Boolean</i>	True		Label Is Converted corresponds to this field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

LoginHistory

This is a table representing the LoginHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the LoginHistory.
UserId	String	True		Label User ID corresponds to this field.
LoginTime	Datetime	True		Label Login Time corresponds to this field.
LoginType	String	True		Label Login Type corresponds to this field.
SourceIp	String	True		Label Source IP corresponds to this field.
LoginUrl	String	True		Label Login URL corresponds to this field.
Browser	String	True		Label Browser corresponds to this field.
Platform	String	True		Label Platform corresponds to this field.
Status	String	True		Label Status corresponds to this field.
Application	String	True		Label Application corresponds to this field.
ClientVersion	String	True		Label Client Version corresponds to this field.
ApiType	String	True		Label API Type corresponds to this field.

ApiVersion	String	True	Label API Version corresponds to this field.
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LoginIp

This is a table representing the LoginIp entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the LoginIp.
UserId	String	True	User.Id	Label User ID corresponds to this field.
SourceIp	String	True		Label Source IP corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
IsAuthenticated	Boolean	True		Label IsAuthenticated corresponds to this field.
ChallengeSentDate	Datetime	True		Label Challenge SentDate corresponds to this field.
ChallengeMethod	String	True		Label Challenge Method corresponds to this field.

MailmergeTemplate

This is a table representing the MailmergeTemplate entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the MailmergeTemplate.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
Name	String	False		Label Name corresponds to this field.
Description	String	False		Label Description corresponds to this field.
Filename	String	False		Label File corresponds to this field.
BodyLength	Int	True		Label Body Length corresponds to this field.
Body	String	False		Label Body corresponds to this field.
LastUsedDate	Datetime	True		Label Last Used Date corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

MobileDeviceRegistrar

This is a table representing the MobileDeviceRegistrar entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the MobileDeviceRegistrar.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

DeveloperName	<i>String</i>	False		Label Name corresponds to this field.
Language	<i>String</i>	False		Label Master Language corresponds to this field.
MasterLabel	<i>String</i>	False		Label Label corresponds to this field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
Provider	<i>String</i>	False		Label Provider corresponds to this

			field.
MdmProviderEnrollEndpoint	<i>String</i>	False	Label Mdm Provider Enroll Endpoint corresponds to this field.
MdmProviderPushAppEndpoint	<i>String</i>	False	Label Mdm Provider Push App Endpoint corresponds to this field.
MdmProviderApiAccessToken	<i>String</i>	False	Label Mdm Provider Api Access Token corresponds to this field.
MdmProviderApiUsername	<i>String</i>	False	Label Mdm Provider Api Username corresponds to this field.
MdmProviderApiPassword	<i>String</i>	False	Label Mdm Provider Api Password corresponds to this field.

Note

This is a table representing the Note entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Note.

IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ParentId	<i>String</i>	False		Label Parent ID corresponds to this field.
Title	<i>String</i>	False		Label Title corresponds to this field.
IsPrivate	<i>Boolean</i>	False		Label Private corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
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ObjectPermissions

This is a table representing the ObjectPermissions entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ObjectPermissions.
ParentId	<i>String</i>	False	PermissionSet .Id	Label Parent ID corresponds to this field.
SubjectType	<i>String</i>	False		Label Subject Type Name corresponds to this field.
PermissionsCreate	<i>Boolean</i>	False		Label Create Records corresponds to this field.
PermissionsRead	<i>Boolean</i>	False		Label Read Records corresponds to this field.
PermissionsEdit	<i>Boolean</i>	False		Label Edit Records corresponds to this field.

PermissionsDelete	<i>Boolean</i>	False		Label Delete Records corresponds to this field.
PermissionsViewAllRecords	<i>Boolean</i>	False		Label Read All Records corresponds to this field.
PermissionsModifyAllRecords	<i>Boolean</i>	False		Label Edit All Records corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Opportunity

This is a table representing the Opportunity entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the Opportunity.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
AccountId	String	False	Account.Id	Label Account ID corresponds to this field.
IsPrivate	Boolean	False		Label Private corresponds to this field.
Name	String	False		Label Name corresponds to this field.
Description	String	False		Label Description corresponds to this field.
StageName	String	False		Label Stage corresponds to this field.
Amount	Double	False		Label Amount corresponds to this field.
Probability	Double	False		Label Probability (%) corresponds to

			this field.
ExpectedRevenue	Double	True	Label Expected Amount corresponds to this field.
TotalOpportunityQuantity	Double	False	Label Quantity corresponds to this field.
CloseDate	Datetime	False	Label Close Date corresponds to this field.
Type	String	False	Label Opportunity Type corresponds to this field.
NextStep	String	False	Label Next Step corresponds to this field.
LeadSource	String	False	Label Lead Source corresponds to this field.
IsClosed	Boolean	True	Label Closed corresponds to this field.
IsWon	Boolean	True	Label Won corresponds to this field.
ForecastCategory	String	True	Label Forecast Category corresponds to this field.

ForecastCategoryName	String	False		Label Forecast Category corresponds to this field.
CampaignId	String	False	Campaign.Id	Label Campaign ID corresponds to this field.
HasOpportunityLineItem	Boolean	True		Label Has Line Item corresponds to this field.
Pricebook2Id	String	False	Pricebook2.Id	Label Price Book ID corresponds to this field.
OwnerId	String	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this

				field.
LastActivityDate	<i>Datetime</i>	True		Label Last Activity corresponds to this field.
FiscalQuarter	<i>Int</i>	True		Label Fiscal Quarter corresponds to this field.
FiscalYear	<i>Int</i>	True		Label Fiscal Year corresponds to this field.
Fiscal	<i>String</i>	True		Label Fiscal Period corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
SyncedQuoteId	<i>String</i>	False	Quote.Id	Label Quote ID corresponds to this field.
DeliveryInstallationStatus__c	<i>String</i>	False		Label Delivery/Installation Status corresponds to this field.
CurrentGenerators__c	<i>String</i>	False		Label Current Generator(s) corresponds to this field.

TrackingNumber__c	<i>String</i>	False	Label Tracking Number corresponds to this field.
MainCompetitors__c	<i>String</i>	False	Label Main Competitor(s) corresponds to this field.
OrderNumber__c	<i>String</i>	False	Label Order Number corresponds to this field.
SomeNumber__c	<i>Double</i>	False	Label SomeNumber corresponds to this field.
ZeroDecimal__c	<i>Double</i>	False	Label ZeroDecimal corresponds to this field.
AutoNumber__c	<i>String</i>	True	Label AutoNumber corresponds to this field.
FloatTest__c	<i>Double</i>	False	Label FloatTest corresponds to this field.
Don_t_Test__c	<i>String</i>	False	Label Don?t_Test corresponds to this field.

OpportunityCompetitor

This is a table representing the OpportunityCompetitor entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the OpportunityCompetitor.
OpportunityId	String	False	Opportunity .Id	Label Opportunity ID corresponds to this field.
CompetitorName	String	False		Label Competitor Name corresponds to this field.
Strengths	String	False		Label Strengths corresponds to this field.
Weaknesses	String	False		Label Weaknesses corresponds to this field.
CreatedById	String	True	User .Id	Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
LastModifiedById	String	True	User .Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.

OpportunityContactRole

This is a table representing the OpportunityContactRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityContactRole.
OpportunityId	<i>String</i>	False	Opportunity .Id	Label Opportunity ID corresponds to this field.
ContactId	<i>String</i>	False	Contact .Id	Label Contact ID corresponds to this field.
Role	<i>String</i>	False		Label Role corresponds to this field.
IsPrimary	<i>Boolean</i>	False		Label Primary corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User .Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User .Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

OpportunityFeed

This is a table representing the OpportunityFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the OpportunityFeed.
ParentId	String	True	Opportunity.Id	Label Parent ID corresponds to this field.
Type	String	True		Label Feed Item Type corresponds to this field.
CreatedById	String	True		Label Created By ID corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp

				corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.

ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

OpportunityFieldHistory

This is a table representing the OpportunityFieldHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityFieldHistory.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
OpportunityId	<i>String</i>	True	Opportunity .Id	Label Opportunity ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
Field	<i>String</i>	True		Label Changed Field

			corresponds to this field.
OldValue	<i>String</i>	True	Label Old Value corresponds to this field.
NewValue	<i>String</i>	True	Label New Value corresponds to this field.

OpportunityHistory

This is a table representing the OpportunityHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityHistory.
OpportunityId	<i>String</i>	True	Opportunity.Id	Label Opportunity ID corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
StageName	<i>String</i>	True		Label Stage Name corresponds to this field.

Amount	<i>Double</i>	True	Label Amount corresponds to this field.
ExpectedRevenue	<i>Double</i>	True	Label Expected Revenue corresponds to this field.
CloseDate	<i>Datetime</i>	True	Label Close Date corresponds to this field.
Probability	<i>Double</i>	True	Label Probability corresponds to this field.
ForecastCategory	<i>String</i>	True	Label To ForecastCategory corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.

OpportunityLineItem

This is a table representing the OpportunityLineItem entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityLineItem.
OpportunityId	<i>String</i>	False	Opportunity .Id	Label Opportunity ID corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
PricebookEntryId	<i>String</i>	False	PricebookEntry .Id	Label Price Book Entry ID corresponds to this field.
Quantity	<i>Double</i>	False		Label Quantity corresponds to this field.
TotalPrice	<i>Double</i>	False		Label Total Price corresponds to this field.
UnitPrice	<i>Double</i>	False		Label Sales Price corresponds to this field.
ListPrice	<i>Double</i>	True		Label List Price corresponds to this field.
ServiceDate	<i>Datetime</i>	False		Label Date corresponds to this field.
Description	<i>String</i>	False		Label Line Description corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

OpportunityPartner

This is a table representing the OpportunityPartner entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityPartner.

OpportunityId	<i>String</i>	True	Opportunity.Id	Label Opportunity ID corresponds to this field.
AccountTold	<i>String</i>	True	Account.Id	Label Account ID corresponds to this field.
Role	<i>String</i>	True		Label Role corresponds to this field.
IsPrimary	<i>Boolean</i>	True		Label Primary corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

ReversePartnerId	<i>String</i>	True	OpportunityPartner .Id	Label Reverse Partner ID corresponds to this field.
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OpportunityShare

This is a table representing the OpportunityShare entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityShare.
OpportunityId	<i>String</i>	True	Opportunity .Id	Label Opportunity ID corresponds to this field.
UserOrGroupId	<i>String</i>	True		Label User/Group ID corresponds to this field.
OpportunityAccessLevel	<i>String</i>	True		Label Opportunity Access corresponds to this field.
RowCause	<i>String</i>	True		Label Row Cause corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.

LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

OpportunityStage

This is a table representing the OpportunityStage entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OpportunityStage.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
IsActive	<i>Boolean</i>	True		Label Is Active corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsClosed	<i>Boolean</i>	True		Label Closed corresponds to this field.
IsWon	<i>Boolean</i>	True		Label Won

				corresponds to this field.
ForecastCategory	<i>String</i>	True		Label Forecast Category corresponds to this field.
ForecastCategoryName	<i>String</i>	True		Label Forecast Category Name corresponds to this field.
DefaultProbability	<i>Double</i>	True		Label Probability (%) corresponds to this field.
Description	<i>String</i>	True		Label Description corresponds to this field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Organization

This is a table representing the Organization entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Organization.
Name	<i>String</i>	True		Label Name corresponds to this field.
Division	<i>String</i>	True		Label Division corresponds to this field.
Street	<i>String</i>	True		Label Street corresponds to this field.
City	<i>String</i>	True		Label City corresponds to this field.
State	<i>String</i>	True		Label State/Province corresponds to this field.
PostalCode	<i>String</i>	True		Label Zip/Postal Code corresponds to this field.
Country	<i>String</i>	True		Label Country corresponds to this

			field.
Latitude	<i>Double</i>	True	Label Latitude corresponds to this field.
Longitude	<i>Double</i>	True	Label Longitude corresponds to this field.
Phone	<i>String</i>	True	Label Phone corresponds to this field.
Fax	<i>String</i>	True	Label Fax corresponds to this field.
PrimaryContact	<i>String</i>	True	Label Primary Contact corresponds to this field.
DefaultLocaleSidKey	<i>String</i>	True	Label Locale corresponds to this field.
LanguageLocaleKey	<i>String</i>	True	Label Language corresponds to this field.
ReceivesInfoEmails	<i>Boolean</i>	True	Label Info Emails corresponds to this field.
ReceivesAdminInfoEmails	<i>Boolean</i>	True	Label Info Emails Admin corresponds to this field.
PreferencesRequireOpportunityProducts	<i>Boolean</i>	True	Label RequireOpportunityProducts corresponds to

			this field.
FiscalYearStartMonth	<i>Int</i>	True	Label Fiscal Year Starts In corresponds to this field.
UsesStartDateAsFiscalYearName	<i>Boolean</i>	True	Label Fiscal Year Name by Start corresponds to this field.
DefaultAccountAccess	<i>String</i>	True	Label Default Account Access corresponds to this field.
DefaultContactAccess	<i>String</i>	True	Label Default Contact Access corresponds to this field.
DefaultOpportunityAccess	<i>String</i>	True	Label Default Opportunity Access corresponds to this field.
DefaultLeadAccess	<i>String</i>	True	Label Default Lead Access corresponds to this field.
DefaultCaseAccess	<i>String</i>	True	Label Default Case Access corresponds to this field.
DefaultCalendarAccess	<i>String</i>	True	Label Default Calendar Access corresponds to this field.
DefaultPricebookAccess	<i>String</i>	True	Label Default Price Book Access corresponds to this field.

DefaultCampaignAccess	<i>String</i>	True	Label Default Campaign Access corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
ComplianceBccEmail	<i>String</i>	True	Label Compliance BCC Email corresponds to this field.
UiSkin	<i>String</i>	True	Label UI Skin corresponds to this field.
TrialExpirationDate	<i>Datetime</i>	True	Label Trial Expiration Date corresponds to this field.
OrganizationType	<i>String</i>	True	Label Edition corresponds to this field.
WebToCaseDefaultOrigin	<i>String</i>	True	Label Web to Cases Default Origin corresponds to this field.
MonthlyPageViewsUsed	<i>Int</i>	True	Label Monthly Page Views Used corresponds to this field.
MonthlyPageViewsEntitlement	<i>Int</i>	True	Label Monthly Page Views Allowed corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

OrgWideEmailAddress

This is a table representing the OrgWideEmailAddress entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the OrgWideEmailAddress.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.

LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
Address	<i>String</i>	False		Label Email Address corresponds to this field.
DisplayName	<i>String</i>	False		Label Display Name corresponds to this field.
IsAllowAllProfiles	<i>Boolean</i>	False		Label Allow All Profiles corresponds to this field.

Partner

This is a table representing the Partner entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Partner.
OpportunityId	<i>String</i>	False	Opportunity.Id	Label Opportunity ID corresponds to this field.
AccountFromId	<i>String</i>	False	Account.Id	Label Account From ID corresponds to this field.
AccountToId	<i>String</i>	False	Account.Id	Label Account To ID

				corresponds to this field.
Role	<i>String</i>	False		Label Role corresponds to this field.
IsPrimary	<i>Boolean</i>	False		Label Primary corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ReversePartnerId	<i>String</i>	True	Partner.Id	Label Reverse Partner ID corresponds to this field.

PartnerRole

This is a table representing the PartnerRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the PartnerRole.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
ReverseRole	<i>String</i>	True		Label Reverse Role corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Period

This is a table representing the Period entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Period.
FiscalYearSettingsId	<i>String</i>	True	FiscalYearSettings.Id	Label Fiscal Year Settings ID corresponds to this field.
Type	<i>String</i>	True		Label Type corresponds to this field.
StartDate	<i>Datetime</i>	True		Label Start Date corresponds to this field.
EndDate	<i>Datetime</i>	True		Label End Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsForecastPeriod	<i>Boolean</i>	True		Label Is Forecast Period corresponds to

				this field.
QuarterLabel	<i>String</i>	True		Label Quarter Name corresponds to this field.
PeriodLabel	<i>String</i>	True		Label Period Name corresponds to this field.
Number	<i>Int</i>	True		Label Number corresponds to this field.

PermissionSet

This is a table representing the PermissionSet entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the PermissionSet.
Name	<i>String</i>	False		Label Permission Set Name corresponds to this field.

Label	<i>String</i>	False		Label Permission Set Label corresponds to this field.
UserLicenseId	<i>String</i>	False	UserLicense.Id	Label User License ID corresponds to this field.
ProfileId	<i>String</i>	True	Profile.Id	Label Profile ID corresponds to this field.
IsOwnedByProfile	<i>Boolean</i>	True		Label Is Owned By Profile corresponds to this field.
PermissionsEmailSingle	<i>Boolean</i>	False		Label Send Email corresponds to this field.
PermissionsEmailMass	<i>Boolean</i>	False		Label Mass Email corresponds to this field.
PermissionsEditTask	<i>Boolean</i>	False		Label Edit Tasks corresponds to this field.
PermissionsEditEvent	<i>Boolean</i>	False		Label Edit Events corresponds

			to this field.
PermissionsExportReport	<i>Boolean</i>	False	Label Export Reports corresponds to this field.
PermissionsImportPersonal	<i>Boolean</i>	False	Label Import Personal Contacts corresponds to this field.
PermissionsManageUsers	<i>Boolean</i>	False	Label Manage Users corresponds to this field.
PermissionsEditPublicTemplates	<i>Boolean</i>	False	Label Manage Public Templates corresponds to this field.
PermissionsModifyAllData	<i>Boolean</i>	False	Label Modify All Data corresponds to this field.
PermissionsManageCases	<i>Boolean</i>	False	Label Manage Cases corresponds to this field.
PermissionsEditKnowledge	<i>Boolean</i>	False	Label Manage Articles corresponds to this field.
PermissionsManageKnowledge	<i>Boolean</i>	False	Label Manage

			Salesforce Knowledge corresponds to this field.
PermissionsManageSolutions	<i>Boolean</i>	False	Label Manage Published Solutions corresponds to this field.
PermissionsCustomizeApplication	<i>Boolean</i>	False	Label Customize Application corresponds to this field.
PermissionsEditReadonlyFields	<i>Boolean</i>	False	Label Edit Read Only Fields corresponds to this field.
PermissionsRunReports	<i>Boolean</i>	False	Label Run Reports corresponds to this field.
PermissionsViewSetup	<i>Boolean</i>	False	Label View Setup and Configuration corresponds to this field.
PermissionsTransferAnyEntity	<i>Boolean</i>	False	Label Transfer Record corresponds to this field.

PermissionsNewReportBuilder	<i>Boolean</i>	False	Label Report Builder corresponds to this field.
PermissionsManageSelfService	<i>Boolean</i>	False	Label Manage Self-Service Portal corresponds to this field.
PermissionsManageCssUsers	<i>Boolean</i>	False	Label Edit Self-Service Users corresponds to this field.
PermissionsActivateContract	<i>Boolean</i>	False	Label Activate Contracts corresponds to this field.
PermissionsImportLeads	<i>Boolean</i>	False	Label Import Leads corresponds to this field.
PermissionsManageLeads	<i>Boolean</i>	False	Label Manage Leads corresponds to this field.
PermissionsTransferAnyLead	<i>Boolean</i>	False	Label Transfer Leads corresponds to this field.
PermissionsViewAllData	<i>Boolean</i>	False	Label View All Data

			corresponds to this field.
PermissionsEditPublicDocuments	<i>Boolean</i>	False	Label Manage Public Documents corresponds to this field.
PermissionsEditBrandTemplates	<i>Boolean</i>	False	Label Manage Letterheads corresponds to this field.
PermissionsEditHtmlTemplates	<i>Boolean</i>	False	Label Edit HTML Templates corresponds to this field.
PermissionsChatterInternalUser	<i>Boolean</i>	False	Label Chatter Internal User corresponds to this field.
PermissionsManageDashboards	<i>Boolean</i>	False	Label Manage Dashboards corresponds to this field.
PermissionsDeleteActivatedContract	<i>Boolean</i>	False	Label Delete Activated Contracts corresponds to this field.
PermissionsChatterInviteExternalUsers	<i>Boolean</i>	False	Label Invite Customers To Chatter corresponds

			to this field.
PermissionsSendSitRequests	<i>Boolean</i>	False	Label Send Stay-in-Touch Requests corresponds to this field.
PermissionsManageRemoteAccess	<i>Boolean</i>	False	Label Manage Connected Apps corresponds to this field.
PermissionsCanUseNewDashboardBuilder	<i>Boolean</i>	False	Label Drag-and-Drop Dashboard Builder corresponds to this field.
PermissionsManageCategories	<i>Boolean</i>	False	Label Manage Categories corresponds to this field.
PermissionsConvertLeads	<i>Boolean</i>	False	Label Convert Leads corresponds to this field.
PermissionsPasswordNeverExpires	<i>Boolean</i>	False	Label Password Never Expires corresponds to this field.
PermissionsUseTeamReassignWizards	<i>Boolean</i>	False	Label Use Team Reassignment

			Wizards corresponds to this field.
PermissionsInstallPackaging	<i>Boolean</i>	False	Label Download AppExchange Packages corresponds to this field.
PermissionsPublishPackaging	<i>Boolean</i>	False	Label Upload AppExchange Packages corresponds to this field.
PermissionsChatterOwnGroups	<i>Boolean</i>	False	Label Create and Own New Chatter Groups corresponds to this field.
PermissionsEditOppLineItemUnitPrice	<i>Boolean</i>	False	Label Edit Opportunity Product Sales Price corresponds to this field.
PermissionsCreatePackaging	<i>Boolean</i>	False	Label Create AppExchange Packages corresponds to this field.
PermissionsBulkApiHardDelete	<i>Boolean</i>	False	Label Bulk API Hard Delete

			corresponds to this field.
PermissionsSolutionImport	<i>Boolean</i>	False	Label Import Solutions corresponds to this field.
PermissionsManageCallCenters	<i>Boolean</i>	False	Label Manage Call Centers corresponds to this field.
PermissionsEditReports	<i>Boolean</i>	False	Label Create and Customize Reports corresponds to this field.
PermissionsManageSynonyms	<i>Boolean</i>	False	Label Manage Synonyms corresponds to this field.
PermissionsViewContent	<i>Boolean</i>	False	Label View Content in Portals corresponds to this field.
PermissionsManageEmailClientConfig	<i>Boolean</i>	False	Label Manage Email Client Configuration s corresponds to this field.
PermissionsEnableNotifications	<i>Boolean</i>	False	Label Send Outbound Messages

			corresponds to this field.
PermissionsManageDataIntegrations	<i>Boolean</i>	False	Label Manage Data Integrations corresponds to this field.
PermissionsViewDataCategories	<i>Boolean</i>	False	Label View Data Categories corresponds to this field.
PermissionsManageDataCategories	<i>Boolean</i>	False	Label Manage Data Categories corresponds to this field.
PermissionsAuthorApex	<i>Boolean</i>	False	Label Author Apex corresponds to this field.
PermissionsManageMobile	<i>Boolean</i>	False	Label Manage Mobile Configuration s corresponds to this field.
PermissionsApiEnabled	<i>Boolean</i>	False	Label API Enabled corresponds to this field.
PermissionsManageCustomReportTypes	<i>Boolean</i>	False	Label Manage Custom Report Types

			corresponds to this field.
PermissionsEditCaseComments	<i>Boolean</i>	False	Label Edit Case Comments corresponds to this field.
PermissionsTransferAnyCase	<i>Boolean</i>	False	Label Transfer Cases corresponds to this field.
PermissionsContentAdministrator	<i>Boolean</i>	False	Label Manage Salesforce CRM Content corresponds to this field.
PermissionsCreateWorkspaces	<i>Boolean</i>	False	Label Create Libraries corresponds to this field.
PermissionsManageContentPermissions	<i>Boolean</i>	False	Label Manage Content Permissions corresponds to this field.
PermissionsManageContentProperties	<i>Boolean</i>	False	Label Manage Content Properties corresponds to this field.
PermissionsManageContentTypes	<i>Boolean</i>	False	Label Manage Content

			Types corresponds to this field.
PermissionsManageAnalyticSnapshots	<i>Boolean</i>	False	Label Manage Analytic Snapshots corresponds to this field.
PermissionsScheduleReports	<i>Boolean</i>	False	Label Schedule Reports corresponds to this field.
PermissionsManageBusinessHourHoliday	<i>Boolean</i>	False	Label Manage Business Hours Holidays corresponds to this field.
PermissionsManageDynamicDashboards	<i>Boolean</i>	False	Label Manage Dynamic Dashboards corresponds to this field.
PermissionsCustomSidebarOnAllPages	<i>Boolean</i>	False	Label Show Custom Sidebar On All Pages corresponds to this field.
PermissionsManageInteraction	<i>Boolean</i>	False	Label Manage Force.com Flow corresponds

			to this field.
PermissionsViewMyTeamsDashboards	<i>Boolean</i>	False	Label View My Team's Dashboards corresponds to this field.
PermissionsModerateChatter	<i>Boolean</i>	False	Label Moderate Chatter corresponds to this field.
PermissionsResetPasswords	<i>Boolean</i>	False	Label Reset User Passwords and Unlock Users corresponds to this field.
PermissionsFlowUFLRequired	<i>Boolean</i>	False	Label Require Force.com Flow User Feature License corresponds to this field.
PermissionsCanInsertFeedSystemFields	<i>Boolean</i>	False	Label Insert System Field Values for Chatter Feeds corresponds to this field.
PermissionsManageKnowledgeImportExport	<i>Boolean</i>	False	Label Manage Knowledge Article

			Import/Export corresponds to this field.
PermissionsEmailTemplateManagement	<i>Boolean</i>	False	Label Manage Email Templates corresponds to this field.
PermissionsEmailAdministration	<i>Boolean</i>	False	Label Email Administration corresponds to this field.
PermissionsManageChatterMessages	<i>Boolean</i>	False	Label Manage Chatter Messages corresponds to this field.
PermissionsForceTwoFactor	<i>Boolean</i>	False	Label Two-Factor Authentication for User Interface Logins corresponds to this field.
PermissionsManageNetworks	<i>Boolean</i>	False	Label Create and Set Up Communities corresponds to this field.
PermissionsManageAuthProviders	<i>Boolean</i>	False	Label Manage Auth. Providers

			corresponds to this field.
PermissionsRunFlow	<i>Boolean</i>	False	Label Run Flows corresponds to this field.
PermissionsViewAllUsers	<i>Boolean</i>	False	Label View All Users corresponds to this field.
PermissionsAllowUniversalSearch	<i>Boolean</i>	False	Label Knowledge One corresponds to this field.
PermissionsConnectOrgToEnvironmentHub	<i>Boolean</i>	False	Label Connect Organization to Environment Hub corresponds to this field.
PermissionsSalesConsole	<i>Boolean</i>	False	Label Sales Console corresponds to this field.
PermissionsTwoFactorApi	<i>Boolean</i>	False	Label Two-Factor Authentication for API Logins corresponds to this field.

PermissionsDeleteTopics	<i>Boolean</i>	False	Label Delete Topics corresponds to this field.
PermissionsEditTopics	<i>Boolean</i>	False	Label Edit Topics corresponds to this field.
PermissionsCreateTopics	<i>Boolean</i>	False	Label Create Topics corresponds to this field.
PermissionsAssignTopics	<i>Boolean</i>	False	Label Assign Topics corresponds to this field.
PermissionsIdentityEnabled	<i>Boolean</i>	False	Label Use Identity Features corresponds to this field.
PermissionsIdentityConnect	<i>Boolean</i>	False	Label Use Identity Connect corresponds to this field.
PermissionsAllowViewKnowledge	<i>Boolean</i>	False	Label Allow View Knowledge corresponds to this field.
Description	<i>String</i>	False	Label Description

				corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.

PermissionSetAssignment

This is a table representing the PermissionSetAssignment entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the PermissionSetAssignment.
PermissionSetId	String	False	PermissionSet .Id	Label PermissionSet ID corresponds to this field.
AssigneeId	String	False	User .Id	Label Assignee ID corresponds to this field.
SystemModstamp	Datetime	True		Label Date Assigned corresponds to this field.

PermissionSetLicense

This is a table representing the PermissionSetLicense entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the PermissionSetLicense.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.

DeveloperName	<i>String</i>	True		Label Developer Name corresponds to this field.
Language	<i>String</i>	True		Label Master Language corresponds to this field.
MasterLabel	<i>String</i>	True		Label Permission Set License Label corresponds to this field.
CreatedDate	<i>DateTime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>DateTime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>DateTime</i>	True		Label System Modstamp corresponds to this field.
PermissionSetLicenseKey	<i>String</i>	True		Label Permission

			Set License Key corresponds to this field.
TotalLicenses	<i>Int</i>	True	Label Total Licenses corresponds to this field.
Status	<i>String</i>	True	Label Status corresponds to this field.
ExpirationDate	<i>DateTime</i>	True	Label Expiration Date corresponds to this field.
MaximumPermissionsEmailSingle	<i>Boolean</i>	True	Label Send Email corresponds to this field.
MaximumPermissionsEmailMass	<i>Boolean</i>	True	Label Mass Email corresponds to this field.
MaximumPermissionsEditTask	<i>Boolean</i>	True	Label Edit Tasks corresponds to this field.
MaximumPermissionsEditEvent	<i>Boolean</i>	True	Label Edit Events corresponds to this field.
MaximumPermissionsExportReport	<i>Boolean</i>	True	Label Export Reports corresponds to this field.
MaximumPermissionsImportPersonal	<i>Boolean</i>	True	Label Import

	<i>n</i>		Personal Contacts corresponds to this field.
MaximumPermissionsManageUsers	<i>Boolean</i>	True	Label Manage Users corresponds to this field.
MaximumPermissionsEditPublicTemplates	<i>Boolean</i>	True	Label Manage Public Templates corresponds to this field.
MaximumPermissionsModifyAllData	<i>Boolean</i>	True	Label Modify All Data corresponds to this field.
MaximumPermissionsManageCases	<i>Boolean</i>	True	Label Manage Cases corresponds to this field.
MaximumPermissionsEditKnowledge	<i>Boolean</i>	True	Label Manage Articles corresponds to this field.
MaximumPermissionsManageKnowledge	<i>Boolean</i>	True	Label Manage Salesforce Knowledge corresponds to this field.
MaximumPermissionsManageSolutions	<i>Boolean</i>	True	Label Manage Published Solutions corresponds to

			this field.
MaximumPermissionsCustomizeApplication	<i>Boolean</i>	True	Label Customize Application corresponds to this field.
MaximumPermissionsEditReadOnlyFields	<i>Boolean</i>	True	Label Edit Read Only Fields corresponds to this field.
MaximumPermissionsRunReports	<i>Boolean</i>	True	Label Run Reports corresponds to this field.
MaximumPermissionsViewSetup	<i>Boolean</i>	True	Label View Setup and Configuration corresponds to this field.
MaximumPermissionsTransferAnyEntity	<i>Boolean</i>	True	Label Transfer Record corresponds to this field.
MaximumPermissionsNewReportBuilder	<i>Boolean</i>	True	Label Report Builder corresponds to this field.
MaximumPermissionsManageSelfService	<i>Boolean</i>	True	Label Manage Self-Service Portal corresponds to this field.
MaximumPermissionsManageCssUsers	<i>Boolean</i>	True	Label Edit Self-

	<i>n</i>		Service Users corresponds to this field.
MaximumPermissionsActivateContract	<i>Boolean</i>	True	Label Activate Contracts corresponds to this field.
MaximumPermissionsImportLeads	<i>Boolean</i>	True	Label Import Leads corresponds to this field.
MaximumPermissionsManageLeads	<i>Boolean</i>	True	Label Manage Leads corresponds to this field.
MaximumPermissionsTransferAnyLead	<i>Boolean</i>	True	Label Transfer Leads corresponds to this field.
MaximumPermissionsViewAllData	<i>Boolean</i>	True	Label View All Data corresponds to this field.
MaximumPermissionsEditPublicDocuments	<i>Boolean</i>	True	Label Manage Public Documents corresponds to this field.
MaximumPermissionsEditBrandTemplates	<i>Boolean</i>	True	Label Manage Letterheads corresponds to this field.

MaximumPermissionsEditHtmlTemplates	<i>Boolean</i>	True	Label Edit HTML Templates corresponds to this field.
MaximumPermissionsChatterInternalUser	<i>Boolean</i>	True	Label Chatter Internal User corresponds to this field.
MaximumPermissionsManageDashboards	<i>Boolean</i>	True	Label Manage Dashboards corresponds to this field.
MaximumPermissionsDeleteActivatedContracts	<i>Boolean</i>	True	Label Delete Activated Contracts corresponds to this field.
MaximumPermissionsChatterInviteExternalUsers	<i>Boolean</i>	True	Label Invite Customers To Chatter corresponds to this field.
MaximumPermissionsSendSitRequests	<i>Boolean</i>	True	Label Send Stay-in-Touch Requests corresponds to this field.
MaximumPermissionsManageRemoteAccess	<i>Boolean</i>	True	Label Manage Connected Apps corresponds to this field.
MaximumPermissionsCanUseNewDashboards	<i>Boolean</i>	True	Label Drag-and-Drop Dashboard

			Builder corresponds to this field.
MaximumPermissionsManageCategories	Boolean	True	Label Manage Categories corresponds to this field.
MaximumPermissionsConvertLeads	Boolean	True	Label Convert Leads corresponds to this field.
MaximumPermissionsPasswordNeverExpires	Boolean	True	Label Password Never Expires corresponds to this field.
MaximumPermissionsUseTeamReassignWizards	Boolean	True	Label Use Team Reassignment Wizards corresponds to this field.
MaximumPermissionsInstallPackaging	Boolean	True	Label Download AppExchange Packages corresponds to this field.
MaximumPermissionsPublishPackaging	Boolean	True	Label Upload AppExchange Packages corresponds to this field.
MaximumPermissionsChatterOwnGroups	Boolean	True	Label Create and Own New Chatter Groups

				corresponds to this field.
MaximumPermissionsEditOppLineItemUnitPrice	Boolean	True		Label Edit Opportunity Product Sales Price corresponds to this field.
MaximumPermissionsCreatePackaging	Boolean	True		Label Create AppExchange Packages corresponds to this field.
MaximumPermissionsBulkApiHardDelete	Boolean	True		Label Bulk API Hard Delete corresponds to this field.
MaximumPermissionsSolutionImport	Boolean	True		Label Import Solutions corresponds to this field.
MaximumPermissionsManageCallCenters	Boolean	True		Label Manage Call Centers corresponds to this field.
MaximumPermissionsEditReports	Boolean	True		Label Create and Customize Reports corresponds to this field.
MaximumPermissionsManageSynonyms	Boolean	True		Label Manage Synonyms corresponds to

			this field.
MaximumPermissionsViewContent	<i>Boolean</i>	True	Label View Content in Portals corresponds to this field.
MaximumPermissionsManageEmailClientConfig	<i>Boolean</i>	True	Label Manage Email Client Configurations corresponds to this field.
MaximumPermissionsEnableNotifications	<i>Boolean</i>	True	Label Send Outbound Messages corresponds to this field.
MaximumPermissionsManageDataIntegrations	<i>Boolean</i>	True	Label Manage Data Integrations corresponds to this field.
MaximumPermissionsViewDataCategories	<i>Boolean</i>	True	Label View Data Categories corresponds to this field.
MaximumPermissionsManageDataCategories	<i>Boolean</i>	True	Label Manage Data Categories corresponds to this field.
MaximumPermissionsAuthorApex	<i>Boolean</i>	True	Label Author Apex corresponds to this field.

MaximumPermissionsManageMobile	Boolean	True	Label Manage Mobile Configurations corresponds to this field.
MaximumPermissionsApiEnabled	Boolean	True	Label API Enabled corresponds to this field.
MaximumPermissionsManageCustomReportTypes	Boolean	True	Label Manage Custom Report Types corresponds to this field.
MaximumPermissionsEditCaseComments	Boolean	True	Label Edit Case Comments corresponds to this field.
MaximumPermissionsTransferAnyCase	Boolean	True	Label Transfer Cases corresponds to this field.
MaximumPermissionsContentAdministrator	Boolean	True	Label Manage Salesforce CRM Content corresponds to this field.
MaximumPermissionsCreateWorkspaces	Boolean	True	Label Create Libraries corresponds to this field.
MaximumPermissionsManageContentPermissions	Boolean	True	Label Manage Content

					Permissions corresponds to this field.
MaximumPermissionsManageContentProperties	Boolean	True			Label Manage Content Properties corresponds to this field.
MaximumPermissionsManageContentTypes	Boolean	True			Label Manage Content Types corresponds to this field.
MaximumPermissionsManageAnalyticSnapshots	Boolean	True			Label Manage Analytic Snapshots corresponds to this field.
MaximumPermissionsScheduleReports	Boolean	True			Label Schedule Reports corresponds to this field.
MaximumPermissionsManageBusinessHoursHolidays	Boolean	True			Label Manage Business Hours Holidays corresponds to this field.
MaximumPermissionsManageDynamicDashboards	Boolean	True			Label Manage Dynamic Dashboards corresponds to this field.
MaximumPermissionsCustomSidebarOnAllPages	Boolean	True			Label Show Custom Sidebar

			On All Pages corresponds to this field.
MaximumPermissionsManageInteraction	Boolean	True	Label Manage Force.com Flow corresponds to this field.
MaximumPermissionsViewMyTeamsDashboards	Boolean	True	Label View My Team's Dashboards corresponds to this field.
MaximumPermissionsModerateChatter	Boolean	True	Label Moderate Chatter corresponds to this field.
MaximumPermissionsResetPasswords	Boolean	True	Label Reset User Passwords and Unlock Users corresponds to this field.
MaximumPermissionsFlowUFLRequired	Boolean	True	Label Require Force.com Flow User Feature License corresponds to this field.
MaximumPermissionsCanInsertFeedSystemFields	Boolean	True	Label Insert System Field Values for Chatter Feeds corresponds to this field.

MaximumPermissionsManageKnowledgeImport/Export	Boolean	True	Label Manage Knowledge Article Import/Export corresponds to this field.
MaximumPermissionsEmailTemplateManagement	Boolean	True	Label Manage Email Templates corresponds to this field.
MaximumPermissionsEmailAdministration	Boolean	True	Label Email Administration corresponds to this field.
MaximumPermissionsManageChatterMessages	Boolean	True	Label Manage Chatter Messages corresponds to this field.
MaximumPermissionsForceTwoFactor	Boolean	True	Label Two-Factor Authentication for User Interface Logins corresponds to this field.
MaximumPermissionsManageNetworks	Boolean	True	Label Create and Set Up Communities corresponds to this field.
MaximumPermissionsManageAuthProviders	Boolean	True	Label Manage Auth. Providers corresponds to this field.

MaximumPermissionsRunFlow	<i>Boolean</i>	True	Label Run Flows corresponds to this field.
MaximumPermissionsViewAllUsers	<i>Boolean</i>	True	Label View All Users corresponds to this field.
MaximumPermissionsAllowUniversalSearch	<i>Boolean</i>	True	Label Knowledge One corresponds to this field.
MaximumPermissionsConnectOrgToEnvironmentHub	<i>Boolean</i>	True	Label Connect Organization to Environment Hub corresponds to this field.
MaximumPermissionsSalesConsole	<i>Boolean</i>	True	Label Sales Console corresponds to this field.
MaximumPermissionsTwoFactorApi	<i>Boolean</i>	True	Label Two-Factor Authentication for API Logins corresponds to this field.
MaximumPermissionsDeleteTopics	<i>Boolean</i>	True	Label Delete Topics corresponds to this field.
MaximumPermissionsEditTopics	<i>Boolean</i>	True	Label Edit Topics corresponds to this field.
MaximumPermissionsCreateTopics	<i>Boolean</i>	True	Label Create

	<i>n</i>		Topics corresponds to this field.
MaximumPermissionsAssignTopics	<i>Boolean</i>	True	Label Assign Topics corresponds to this field.
MaximumPermissionsIdentityEnabled	<i>Boolean</i>	True	Label Use Identity Features corresponds to this field.
MaximumPermissionsIdentityConnect	<i>Boolean</i>	True	Label Use Identity Connect corresponds to this field.
MaximumPermissionsAllowViewKnowledge	<i>Boolean</i>	True	Label Allow View Knowledge corresponds to this field.
UsedLicenses	<i>Int</i>	True	Label Used Licenses corresponds to this field.

PermissionSetLicenseAssign

This is a table representing the PermissionSetLicenseAssign entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True		Unique identifier of the PermissionSetLicenseAs sign.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label Date Assigned corresponds to this field.
PermissionSetLicenseId	<i>String</i>	False	PermissionSetLicense.Id	Label Permission Set License ID corresponds to this field.
AssigneeId	<i>String</i>	False	User.Id	Label User ID corresponds to this field.

Pricebook2

This is a table representing the Pricebook2 entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Pricebook2.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Name	<i>String</i>	False		Label Price Book Name corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

LastViewedDate	<i>Datetime</i>	True	Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True	Label Last Referenced Date corresponds to this field.
IsActive	<i>Boolean</i>	False	Label Active corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
IsStandard	<i>Boolean</i>	True	Label Is Standard Price Book corresponds to this field.
Factory_Code__c	<i>String</i>	False	Label Factory_Code corresponds to this field.
Old_Factory_Codes__c	<i>String</i>	False	Label Old_Factory_Codes corresponds to this field.

Pricebook2History

This is a table representing the Pricebook2History entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True		Unique identifier of the Pricebook2History.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Pricebook2Id	<i>String</i>	True	Pricebook2.Id	Label Price Book ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
Field	<i>String</i>	True		Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True		Label Old Value corresponds to this field.
NewValue	<i>String</i>	True		Label New Value corresponds to this field.

PricebookEntry

This is a table representing the PricebookEntry entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the PricebookEntry.

Name	<i>String</i>	True		Label Product Name corresponds to this field.
Pricebook2Id	<i>String</i>	False	Pricebook2.Id	Label Price Book ID corresponds to this field.
Product2Id	<i>String</i>	False	Product2.Id	Label Product ID corresponds to this field.
UnitPrice	<i>Double</i>	False		Label List Price corresponds to this field.
IsActive	<i>Boolean</i>	False		Label Active corresponds to this field.
UseStandardPrice	<i>Boolean</i>	False		Label Use Standard Price corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
ProductCode	<i>String</i>	True	Label Product Code corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.

ProcessDefinition

This is a table representing the ProcessDefinition entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ProcessDefinition.
Name	<i>String</i>	True		Label Name corresponds to this field.
DeveloperName	<i>String</i>	True		Label Unique Name corresponds to this field.
Type	<i>String</i>	True		Label Process Definition Type corresponds to this field.
Description	<i>String</i>	True		Label Description

				corresponds to this field.
TableEnumOrId	<i>String</i>	True		Label Custom Object Definition ID corresponds to this field.
LockType	<i>String</i>	True		Label Lock Type corresponds to this field.
State	<i>String</i>	True		Label State corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ProcessInstance

This is a table representing the ProcessInstance entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the ProcessInstance.
ProcessDefinitionId	String	True	ProcessDefinition .Id	Label Approval Process ID corresponds to this field.
TargetObjectId	String	True		Label Target Object ID corresponds to this field.
Status	String	True		Label Status corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User .Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.

LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ProcessInstanceStep

This is a table representing the ProcessInstanceStep entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ProcessInstanceStep.
ProcessInstanceId	<i>String</i>	True	ProcessInstance.Id	Label Process Instance ID corresponds to this field.
StepStatus	<i>String</i>	True		Label Step Status corresponds to this field.
OriginalActorId	<i>String</i>	True		Label Original Actor ID corresponds to this field.
ActorId	<i>String</i>	True		Label Actor ID corresponds to this field.

Comments	<i>String</i>	True		Label Comments corresponds to this field.
StepNodeId	<i>String</i>	True	ProcessNode.Id	Label Process Node ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ProcessInstanceWorkitem

This is a table representing the ProcessInstanceWorkitem entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ProcessInstanceWorkitem.
ProcessInstanceId	<i>String</i>	True	ProcessInstance.Id	Label Process Instance ID corresponds to this field.
OriginalActorId	<i>String</i>	True		Label Original Actor ID

				corresponds to this field.
ActorId	<i>String</i>	True		Label Actor ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

ProcessNode

This is a table representing the ProcessNode entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ProcessNode.
Name	<i>String</i>	True		Label Name corresponds to this field.
DeveloperName	<i>String</i>	True		Label Unique Name corresponds to this field.

ProcessDefinitionId	<i>String</i>	True	ProcessDefinition.Id	Label Approval Process ID corresponds to this field.
Description	<i>String</i>	True		Label Description corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Product2

This is a table representing the Product2 entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Product2.
Name	<i>String</i>	False		Label Product Name corresponds to this field.
ProductCode	<i>String</i>	False		Label Product Code corresponds to this field.
Description	<i>String</i>	False		Label Product Description

				corresponds to this field.
IsActive	<i>Boolean</i>	False		Label Active corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
Family	<i>String</i>	False		Label Product Family corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Old_Factory_Codes__c	<i>String</i>	False		Label Old_Factory_

			Codes corresponds to this field.
TextLong2__c	<i>String</i>	False	Label TextLong2 corresponds to this field.
Factory_Code__c	<i>String</i>	False	Label Factory_Code corresponds to this field.

Product2Feed

This is a table representing the Product2Feed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Product2Feed.
ParentId	<i>String</i>	True	Product2.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds

				to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.

ContentData	<i>String</i>	True	Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True	Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

Profile

This is a table representing the Profile entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Profile.

Name	<i>String</i>	True	Label Name corresponds to this field.
PermissionsEmailSingle	<i>Boolean</i>	True	Label Send Email corresponds to this field.
PermissionsEmailMass	<i>Boolean</i>	True	Label Mass Email corresponds to this field.
PermissionsEditTask	<i>Boolean</i>	True	Label Edit Tasks corresponds to this field.
PermissionsEditEvent	<i>Boolean</i>	True	Label Edit Events corresponds to this field.
PermissionsExportReport	<i>Boolean</i>	True	Label Export Reports corresponds to this field.
PermissionsImportPersonal	<i>Boolean</i>	True	Label Import Personal Contacts corresponds to this field.
PermissionsManageUsers	<i>Boolean</i>	True	Label Manage Users corresponds to this field.

PermissionsEditPublicTemplates	<i>Boolean</i>	True	Label Manage Public Templates corresponds to this field.
PermissionsModifyAllData	<i>Boolean</i>	True	Label Modify All Data corresponds to this field.
PermissionsManageCases	<i>Boolean</i>	True	Label Manage Cases corresponds to this field.
PermissionsEditKnowledge	<i>Boolean</i>	True	Label Manage Articles corresponds to this field.
PermissionsManageKnowledge	<i>Boolean</i>	True	Label Manage Salesforce Knowledge corresponds to this field.
PermissionsManageSolutions	<i>Boolean</i>	True	Label Manage Published Solutions corresponds to this field.
PermissionsCustomizeApplication	<i>Boolean</i>	True	Label Customize Application corresponds to this field.
PermissionsEditReadonlyFields	<i>Boolean</i>	True	Label Edit

			Read Only Fields corresponds to this field.
PermissionsRunReports	<i>Boolean</i>	True	Label Run Reports corresponds to this field.
PermissionsViewSetup	<i>Boolean</i>	True	Label View Setup and Configuration corresponds to this field.
PermissionsTransferAnyEntity	<i>Boolean</i>	True	Label Transfer Record corresponds to this field.
PermissionsNewReportBuilder	<i>Boolean</i>	True	Label Report Builder corresponds to this field.
PermissionsManageSelfService	<i>Boolean</i>	True	Label Manage Self-Service Portal corresponds to this field.
PermissionsManageCssUsers	<i>Boolean</i>	True	Label Edit Self-Service Users corresponds to this field.
PermissionsActivateContract	<i>Boolean</i>	True	Label Activate

			Contracts corresponds to this field.
PermissionsImportLeads	<i>Boolean</i>	True	Label Import Leads corresponds to this field.
PermissionsManageLeads	<i>Boolean</i>	True	Label Manage Leads corresponds to this field.
PermissionsTransferAnyLead	<i>Boolean</i>	True	Label Transfer Leads corresponds to this field.
PermissionsViewAllData	<i>Boolean</i>	True	Label View All Data corresponds to this field.
PermissionsEditPublicDocuments	<i>Boolean</i>	True	Label Manage Public Documents corresponds to this field.
PermissionsEditBrandTemplates	<i>Boolean</i>	True	Label Manage Letterheads corresponds to this field.
PermissionsEditHtmlTemplates	<i>Boolean</i>	True	Label Edit HTML Templates corresponds

			to this field.
PermissionsChatterInternalUser	<i>Boolean</i>	True	Label Chatter Internal User corresponds to this field.
PermissionsManageDashboards	<i>Boolean</i>	True	Label Manage Dashboards corresponds to this field.
PermissionsDeleteActivatedContract	<i>Boolean</i>	True	Label Delete Activated Contracts corresponds to this field.
PermissionsChatterInviteExternalUsers	<i>Boolean</i>	True	Label Invite Customers To Chatter corresponds to this field.
PermissionsSendSitRequests	<i>Boolean</i>	True	Label Send Stay-in-Touch Requests corresponds to this field.
PermissionsManageRemoteAccess	<i>Boolean</i>	True	Label Manage Connected Apps corresponds to this field.
PermissionsCanUseNewDashboardBuilder	<i>Boolean</i>	True	Label Drag-and-Drop Dashboard Builder

			corresponds to this field.
PermissionsManageCategories	<i>Boolean</i>	True	Label Manage Categories corresponds to this field.
PermissionsConvertLeads	<i>Boolean</i>	True	Label Convert Leads corresponds to this field.
PermissionsPasswordNeverExpires	<i>Boolean</i>	True	Label Password Never Expires corresponds to this field.
PermissionsUseTeamReassignWizards	<i>Boolean</i>	True	Label Use Team Reassignment Wizards corresponds to this field.
PermissionsInstallMultiforce	<i>Boolean</i>	True	Label Download AppExchange Packages corresponds to this field.
PermissionsPublishMultiforce	<i>Boolean</i>	True	Label Upload AppExchange Packages corresponds to this field.
PermissionsChatterOwnGroups	<i>Boolean</i>	True	Label Create

			and Own New Chatter Groups corresponds to this field.
PermissionsEditOppLineItemUnitPrice	<i>Boolean</i>	True	Label Edit Opportunity Product Sales Price corresponds to this field.
PermissionsCreateMultiforce	<i>Boolean</i>	True	Label Create AppExchange Packages corresponds to this field.
PermissionsBulkApiHardDelete	<i>Boolean</i>	True	Label Bulk API Hard Delete corresponds to this field.
PermissionsSolutionImport	<i>Boolean</i>	True	Label Import Solutions corresponds to this field.
PermissionsManageCallCenters	<i>Boolean</i>	True	Label Manage Call Centers corresponds to this field.
PermissionsEditReports	<i>Boolean</i>	True	Label Create and Customize Reports corresponds

			to this field.
PermissionsManageSynonyms	<i>Boolean</i>	True	Label Manage Synonyms corresponds to this field.
PermissionsViewContent	<i>Boolean</i>	True	Label View Content in Portals corresponds to this field.
PermissionsManageEmailClientConfig	<i>Boolean</i>	True	Label Manage Email Client Configuration s corresponds to this field.
PermissionsEnableNotifications	<i>Boolean</i>	True	Label Send Outbound Messages corresponds to this field.
PermissionsManageDataIntegrations	<i>Boolean</i>	True	Label Manage Data Integrations corresponds to this field.
PermissionsViewDataCategories	<i>Boolean</i>	True	Label View Data Categories corresponds to this field.
PermissionsManageDataCategories	<i>Boolean</i>	True	Label Manage Data Categories

			corresponds to this field.
PermissionsAuthorApex	<i>Boolean</i>	True	Label Author Apex corresponds to this field.
PermissionsManageMobile	<i>Boolean</i>	True	Label Manage Mobile Configuration s corresponds to this field.
PermissionsApiEnabled	<i>Boolean</i>	True	Label API Enabled corresponds to this field.
PermissionsManageCustomReportTypes	<i>Boolean</i>	True	Label Manage Custom Report Types corresponds to this field.
PermissionsEditCaseComments	<i>Boolean</i>	True	Label Edit Case Comments corresponds to this field.
PermissionsTransferAnyCase	<i>Boolean</i>	True	Label Transfer Cases corresponds to this field.
PermissionsContentAdministrator	<i>Boolean</i>	True	Label Manage Salesforce CRM Content

			corresponds to this field.
PermissionsCreateWorkspaces	<i>Boolean</i>	True	Label Create Libraries corresponds to this field.
PermissionsManageContentPermissions	<i>Boolean</i>	True	Label Manage Content Permissions corresponds to this field.
PermissionsManageContentProperties	<i>Boolean</i>	True	Label Manage Content Properties corresponds to this field.
PermissionsManageContentTypes	<i>Boolean</i>	True	Label Manage Content Types corresponds to this field.
PermissionsManageAnalyticSnapshots	<i>Boolean</i>	True	Label Manage Analytic Snapshots corresponds to this field.
PermissionsScheduleReports	<i>Boolean</i>	True	Label Schedule Reports corresponds to this field.
PermissionsManageBusinessHourHoliday	<i>Boolean</i>	True	Label Manage Business

			Hours Holidays corresponds to this field.
PermissionsManageDynamicDashboards	<i>Boolean</i>	True	Label Manage Dynamic Dashboards corresponds to this field.
PermissionsCustomSidebarOnAllPages	<i>Boolean</i>	True	Label Show Custom Sidebar On All Pages corresponds to this field.
PermissionsManageInteraction	<i>Boolean</i>	True	Label Manage Force.com Flow corresponds to this field.
PermissionsViewMyTeamsDashboards	<i>Boolean</i>	True	Label View My Team's Dashboards corresponds to this field.
PermissionsModerateChatter	<i>Boolean</i>	True	Label Moderate Chatter corresponds to this field.
PermissionsResetPasswords	<i>Boolean</i>	True	Label Reset User Passwords and Unlock

			Users corresponds to this field.
PermissionsFlowUFLRequired	Boolean	True	Label Require Force.com Flow User Feature License corresponds to this field.
PermissionsCanInsertFeedSystemFields	Boolean	True	Label Insert System Field Values for Chatter Feeds corresponds to this field.
PermissionsManageKnowledgeImportExport	Boolean	True	Label Manage Knowledge Article Import/Export corresponds to this field.
PermissionsEmailTemplateManagement	Boolean	True	Label Manage Email Templates corresponds to this field.
PermissionsEmailAdministration	Boolean	True	Label Email Administration corresponds to this field.
PermissionsManageChatterMessages	Boolean	True	Label Manage Chatter

			Messages corresponds to this field.
PermissionsForceTwoFactor	<i>Boolean</i>	True	Label Two-Factor Authentication for User Interface Logins corresponds to this field.
PermissionsManageNetworks	<i>Boolean</i>	True	Label Create and Set Up Communities corresponds to this field.
PermissionsManageAuthProviders	<i>Boolean</i>	True	Label Manage Auth. Providers corresponds to this field.
PermissionsRunFlow	<i>Boolean</i>	True	Label Run Flows corresponds to this field.
PermissionsViewAllUsers	<i>Boolean</i>	True	Label View All Users corresponds to this field.
PermissionsAllowUniversalSearch	<i>Boolean</i>	True	Label Knowledge One corresponds to this field.

PermissionsConnectOrgToEnvironmentHub	<i>Boolean</i>	True	Label Connect Organization to Environment Hub corresponds to this field.
PermissionsSalesConsole	<i>Boolean</i>	True	Label Sales Console corresponds to this field.
PermissionsTwoFactorApi	<i>Boolean</i>	True	Label Two-Factor Authentication for API Logins corresponds to this field.
PermissionsDeleteTopics	<i>Boolean</i>	True	Label Delete Topics corresponds to this field.
PermissionsEditTopics	<i>Boolean</i>	True	Label Edit Topics corresponds to this field.
PermissionsCreateTopics	<i>Boolean</i>	True	Label Create Topics corresponds to this field.
PermissionsAssignTopics	<i>Boolean</i>	True	Label Assign Topics corresponds

				to this field.
PermissionsIdentityEnabled	<i>Boolean</i>	True		Label Use Identity Features corresponds to this field.
PermissionsIdentityConnect	<i>Boolean</i>	True		Label Use Identity Connect corresponds to this field.
PermissionsAllowViewKnowledge	<i>Boolean</i>	True		Label Allow View Knowledge corresponds to this field.
UserLicenseId	<i>String</i>	True	UserLicenseId	Label User License ID corresponds to this field.
UserType	<i>String</i>	True		Label User Type corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.

LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
Description	<i>String</i>	True		Label Description corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.

PushTopic

This is a table representing the PushTopic entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the PushTopic.
Name	<i>String</i>	False		Label Topic Name corresponds to this field.
Query	<i>String</i>	False		Label SOQL Query corresponds to this field.
ApiVersion	<i>Double</i>	False		Label API Version corresponds to this field.
IsActive	<i>Boolean</i>	False		Label Is Active corresponds to this field.
NotifyForFields	<i>String</i>	False		Label Notify For Fields corresponds to this field.
NotifyForOperations	<i>String</i>	True		Label Notify For Operations corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.

NotifyForOperationCreate	<i>Boolean</i>	False		Label Create corresponds to this field.
NotifyForOperationUpdate	<i>Boolean</i>	False		Label Update corresponds to this field.
NotifyForOperationDelete	<i>Boolean</i>	False		Label Delete corresponds to this field.
NotifyForOperationUndelete	<i>Boolean</i>	False		Label Undelete corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
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QueueSubject

This is a table representing the QueueSubject entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the QueueSubject.
QueueId	<i>String</i>	False	Group.Id	Label Group ID corresponds to this field.
SubjectType	<i>String</i>	False		Label Subject Type corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Quote

This is a table representing the Quote entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Quote.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Name	<i>String</i>	False		Label Quote Name corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
OpportunityId	<i>String</i>	False	Opportunity.Id	Label Opportunity ID corresponds to this field.
Pricebook2Id	<i>String</i>	False	Pricebook2.Id	Label Price Book ID corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
QuoteNumber	<i>String</i>	True		Label Quote Number corresponds to this field.
IsSyncing	<i>Boolean</i>	True		Label Syncing corresponds to this field.
ShippingHandling	<i>Double</i>	False		Label Shipping and Handling corresponds to this field.
Tax	<i>Double</i>	False		Label Tax corresponds to this field.
Status	<i>String</i>	False		Label Status

			corresponds to this field.
ExpirationDate	<i>Datetime</i>	False	Label Expiration Date corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
Subtotal	<i>Double</i>	True	Label Subtotal corresponds to this field.
TotalPrice	<i>Double</i>	True	Label Total Price corresponds to this field.
LineItemCount	<i>Int</i>	True	Label Line Items corresponds to this field.
BillingStreet	<i>String</i>	False	Label Bill To Street corresponds to this field.
BillingCity	<i>String</i>	False	Label Bill To City corresponds to this field.
BillingState	<i>String</i>	False	Label Bill To State/Province corresponds to this field.
BillingPostalCode	<i>String</i>	False	Label Bill To Zip/Postal Code corresponds to this field.

BillingCountry	<i>String</i>	False	Label Bill To Country corresponds to this field.
BillingLatitude	<i>Double</i>	False	Label Bill To Latitude corresponds to this field.
BillingLongitude	<i>Double</i>	False	Label Bill To Longitude corresponds to this field.
ShippingStreet	<i>String</i>	False	Label Ship To Street corresponds to this field.
ShippingCity	<i>String</i>	False	Label Ship To City corresponds to this field.
ShippingState	<i>String</i>	False	Label Ship To State/Province corresponds to this field.
ShippingPostalCode	<i>String</i>	False	Label Ship To Zip/Postal Code corresponds to this field.
ShippingCountry	<i>String</i>	False	Label Ship To Country corresponds to this field.
ShippingLatitude	<i>Double</i>	False	Label Ship To Latitude

			corresponds to this field.
ShippingLongitude	<i>Double</i>	False	Label Ship To Longitude corresponds to this field.
QuoteToStreet	<i>String</i>	False	Label Quote To Street corresponds to this field.
QuoteToCity	<i>String</i>	False	Label Quote To City corresponds to this field.
QuoteToState	<i>String</i>	False	Label Quote To State/Province corresponds to this field.
QuoteToPostalCode	<i>String</i>	False	Label Quote To Zip/Postal Code corresponds to this field.
QuoteToCountry	<i>String</i>	False	Label Quote To Country corresponds to this field.
QuoteToLatitude	<i>Double</i>	False	Label Quote To Latitude corresponds to this field.
QuoteToLongitude	<i>Double</i>	False	Label Quote To Longitude corresponds to this field.

AdditionalStreet	<i>String</i>	False	Label Additional To Street corresponds to this field.
AdditionalCity	<i>String</i>	False	Label Additional To City corresponds to this field.
AdditionalState	<i>String</i>	False	Label Additional To State/Province corresponds to this field.
AdditionalPostalCode	<i>String</i>	False	Label Additional To Zip/Postal Code corresponds to this field.
AdditionalCountry	<i>String</i>	False	Label Additional To Country corresponds to this field.
AdditionalLatitude	<i>Double</i>	False	Label Additional To Latitude corresponds to this field.
AdditionalLongitude	<i>Double</i>	False	Label Additional To Longitude corresponds to this field.
BillingName	<i>String</i>	False	Label Bill To Name corresponds to this field.
ShippingName	<i>String</i>	False	Label Ship To Name corresponds to this field.

QuoteToName	<i>String</i>	False	Label Quote To Name corresponds to this field.
AdditionalName	<i>String</i>	False	Label Additional To Name corresponds to this field.
Email	<i>String</i>	False	Label Email corresponds to this field.
Phone	<i>String</i>	False	Label Phone corresponds to this field.
Fax	<i>String</i>	False	Label Fax corresponds to this field.
Discount	<i>Double</i>	True	Label Discount corresponds to this field.
GrandTotal	<i>Double</i>	True	Label Grand Total corresponds to this field.

QuoteDocument

This is a table representing the QuoteDocument entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id	<i>String</i>	True		Unique identifier of the

[KEY]			QuoteDocument.	
Name	String	True		Label Name corresponds to this field.
QuoteId	String	False	Quote.Id	Label Quote ID corresponds to this field.
Document	String	False		Label PDF Document corresponds to this field.
GrandTotal	Double	True		Label Grand Total corresponds to this field.
Discount	Double	True		Label Discount corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By

			ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

QuoteFeed

This is a table representing the QuoteFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the QuoteFeed.
ParentId	<i>String</i>	True	Quote.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to

				this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.

ContentFileName	<i>String</i>	True	Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

QuoteLineItem

This is a table representing the QuoteLineItem entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the QuoteLineItem.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

LineNumber	<i>String</i>	True		Label Line Item Number corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
QuoteId	<i>String</i>	False	Quote.Id	Label Quote ID corresponds to this field.
PricebookEntryId	<i>String</i>	False	PricebookEntry.Id	Label Price Book Entry ID corresponds to this field.
Quantity	<i>Double</i>	False		Label Quantity corresponds to this field.
UnitPrice	<i>Double</i>	False		Label Sales Price

			corresponds to this field.
Discount	<i>Double</i>	False	Label Discount corresponds to this field.
Description	<i>String</i>	False	Label Line Item Description corresponds to this field.
ServiceDate	<i>Datetime</i>	False	Label Date corresponds to this field.
SortOrder	<i>Int</i>	True	Label Sort Order corresponds to this field.
ListPrice	<i>Double</i>	True	Label List Price corresponds to this field.
Subtotal	<i>Double</i>	True	Label Subtotal corresponds to this field.
TotalPrice	<i>Double</i>	True	Label Total Price corresponds to this field.

RecentlyViewed

This is a table representing the RecentlyViewed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the RecentlyViewed.
Name	<i>String</i>	True		Label Name corresponds to this field.
LastName	<i>String</i>	True		Label Last Name corresponds to this field.
FirstName	<i>String</i>	True		Label First Name corresponds to this field.
Type	<i>String</i>	True		Label Type corresponds to this field.
Alias	<i>String</i>	True		Label Alias corresponds to this field.
UserRoleId	<i>String</i>	True	UserRole.Id	Label Role ID corresponds to this field.
RecordTypeId	<i>String</i>	True	RecordType.Id	Label Record Type ID corresponds to this field.
IsActive	<i>Boolean</i>	True		Label Active corresponds to this field.
ProfileId	<i>String</i>	True	Profile.Id	Label Profile ID corresponds to this

			field.
Title	<i>String</i>	True	Label Title corresponds to this field.
Email	<i>String</i>	True	Label E-mail corresponds to this field.
Phone	<i>String</i>	True	Label Phone corresponds to this field.
LastViewedDate	<i>Datetime</i>	True	Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True	Label Last Referenced Date corresponds to this field.

RecordType

This is a table representing the RecordType entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the RecordType.
Name	<i>String</i>	False		Label Name corresponds to

				this field.
DeveloperName	<i>String</i>	False		Label Record Type Name corresponds to this field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
BusinessProcessId	<i>String</i>	False	BusinessProcess.Id	Label Business Process ID corresponds to this field.
SubjectType	<i>String</i>	False		Label Subject Type Name corresponds to this field.
IsActive	<i>Boolean</i>	True		Label Active corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

Report

This is a table representing the Report entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Report.
OwnerId	<i>String</i>	True		Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.

LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
Name	<i>String</i>	True		Label Report Name corresponds to this field.
Description	<i>String</i>	True		Label Description corresponds to this field.
DeveloperName	<i>String</i>	True		Label Report Unique Name corresponds to this field.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
LastRunDate	<i>Datetime</i>	True		Label Last Run corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
Format	<i>String</i>	True		Label Format corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.

LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
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ReportFeed

This is a table representing the ReportFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the ReportFeed.
ParentId	<i>String</i>	True	Report.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.

LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File

			Name corresponds to this field.
ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

Scontrol

This is a table representing the Scontrol entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Scontrol.
Name	<i>String</i>	True		Label Label corresponds to this field.
DeveloperName	<i>String</i>	True		Label S-Control Name

			corresponds to this field.
Description	<i>String</i>	True	Label Description corresponds to this field.
EncodingKey	<i>String</i>	True	Label Encoding corresponds to this field.
HtmlWrapper	<i>String</i>	True	Label HTML Body corresponds to this field.
Filename	<i>String</i>	True	Label Filename corresponds to this field.
BodyLength	<i>Int</i>	True	Label Binary Length corresponds to this field.
Binary	<i>String</i>	True	Label Binary corresponds to this field.
ContentSource	<i>String</i>	True	Label Type corresponds to this field.
SupportsCaching	<i>Boolean</i>	True	Label Prebuild In Page corresponds to this field.
NamespacePrefix	<i>String</i>	True	Label Namespace Prefix corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this

				field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

SelfServiceUser

This is a table representing the SelfServiceUser entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the SelfServiceUser.
LastName	<i>String</i>	False		Label Last Name corresponds to this field.
FirstName	<i>String</i>	False		Label First Name corresponds to this field.

Name	<i>String</i>	True		Label Name corresponds to this field.
Username	<i>String</i>	False		Label Username corresponds to this field.
Email	<i>String</i>	False		Label Email corresponds to this field.
IsActive	<i>Boolean</i>	False		Label Active corresponds to this field.
TimeZoneSidKey	<i>String</i>	False		Label TimeZoneSidKey corresponds to this field.
LocaleSidKey	<i>String</i>	False		Label LocaleSidKey corresponds to this field.
ContactId	<i>String</i>	False	Contact.Id	Label Contact ID corresponds to this field.
LanguageLocaleKey	<i>String</i>	False		Label LanguageLocaleKey corresponds to this field.
SuperUser	<i>Boolean</i>	True		Label Super User corresponds to this field.
LastLoginDate	<i>Datetime</i>	True		Label Last Login corresponds to this

				field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

SetupEntityAccess

This is a table representing the SetupEntityAccess entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the SetupEntityAccess.
ParentId	<i>String</i>	False	PermissionSet.Id	Label Parent ID corresponds to this

			field.
SetupEntityId	<i>String</i>	False	Label Setup Entity ID corresponds to this field.
SetupEntityType	<i>String</i>	True	Label Setup Entity Type corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.

Site

This is a table representing the Site entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Site.
Name	<i>String</i>	True		Label Site Name corresponds to this field.
Subdomain	<i>String</i>	True		Label Site Subdomain Prefix corresponds to this field.

UrlPathPrefix	<i>String</i>	True		Label Default Web Address corresponds to this field.
Status	<i>String</i>	True		Label Site Status corresponds to this field.
AdminId	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
OptionsEnableFeeds	<i>Boolean</i>	True		Label Enable Feeds corresponds to this field.
OptionsAllowHomePage	<i>Boolean</i>	True		Label Enable Standard Home Page corresponds to this field.
OptionsAllowStandardIdeasPages	<i>Boolean</i>	True		Label Enable Standard Ideas Pages corresponds to this field.
OptionsAllowStandardSearch	<i>Boolean</i>	True		Label Enable Standard Lookup Pages corresponds to this field.
OptionsAllowStandardLookups	<i>Boolean</i>	True		Label Enable Standard

			Search Pages corresponds to this field.
OptionsAllowStandardAnswersPages	<i>Boolean</i>	True	Label Enable Standard Answers Pages corresponds to this field.
Description	<i>String</i>	True	Label Site Description corresponds to this field.
MasterLabel	<i>String</i>	True	Label Site Label corresponds to this field.
AnalyticsTrackingCode	<i>String</i>	True	Label Analytics Tracking Code corresponds to this field.
SiteType	<i>String</i>	True	Label Site Type corresponds to this field.
DailyBandwidthLimit	<i>Int</i>	True	Label Daily Bandwidth Limit (MB) corresponds to this field.
DailyBandwidthUsed	<i>Int</i>	True	Label Daily

				Bandwidth Used corresponds to this field.
DailyRequestTimeLimit	<i>Int</i>	True		Label Daily Request Time Limit (min) corresponds to this field.
DailyRequestTimeUsed	<i>Int</i>	True		Label Daily Request Time Used corresponds to this field.
MonthlyPageViewsEntitlement	<i>Int</i>	True		Label Monthly Page Views Allowed corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds

				to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

SiteFeed

This is a table representing the SiteFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the SiteFeed.
ParentId	<i>String</i>	True	Site.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID

			corresponds to this field.
ContentData	<i>String</i>	True	Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True	Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True	Label Content Description corresponds to this field.
ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

SiteHistory

This is a table representing the SiteHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id	<i>String</i>	True		Unique identifier of the

[KEY]			SiteHistory.	
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
SiteId	<i>String</i>	True	Site.Id	Label Site ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
Field	<i>String</i>	True		Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True		Label Old Value corresponds to this field.
NewValue	<i>String</i>	True		Label New Value corresponds to this field.

Solution

This is a table representing the Solution entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Solution.
IsDeleted	<i>Boolean</i>	True		Label Deleted

				corresponds to this field.
SolutionNumber	<i>String</i>	True		Label Solution Number corresponds to this field.
SolutionName	<i>String</i>	False		Label Title corresponds to this field.
IsPublished	<i>Boolean</i>	False		Label Public corresponds to this field.
IsPublishedInPublicKb	<i>Boolean</i>	False		Label Visible in Public Knowledge Base corresponds to this field.
Status	<i>String</i>	False		Label Status corresponds to this field.
IsReviewed	<i>Boolean</i>	True		Label Reviewed corresponds to this field.
SolutionNote	<i>String</i>	False		Label Description corresponds to this field.
OwnerId	<i>String</i>	False	User.Id	Label Owner ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.

CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
TimesUsed	<i>Int</i>	True		Label Num Related Cases corresponds to this field.
LastViewedDate	<i>Datetime</i>	True		Label Last Viewed Date corresponds to this field.
LastReferencedDate	<i>Datetime</i>	True		Label Last Referenced Date corresponds to this field.
IsHtml	<i>Boolean</i>	True		Label Is Html corresponds to this field.

SolutionFeed

This is a table representing the SolutionFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the SolutionFeed.
ParentId	<i>String</i>	True	Solution.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment

				Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.

ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

SolutionHistory

This is a table representing the SolutionHistory entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the SolutionHistory.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
SolutionId	<i>String</i>	True	Solution.Id	Label Solution ID corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
Field	<i>String</i>	True		Label Changed Field corresponds to this field.
OldValue	<i>String</i>	True		Label Old Value corresponds to this field.

NewValue	<i>String</i>	True	Label New Value corresponds to this field.
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SolutionStatus

This is a table representing the SolutionStatus entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the SolutionStatus.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsDefault	<i>Boolean</i>	True		Label Is Default corresponds to this field.
IsReviewed	<i>Boolean</i>	True		Label Is Reviewed corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this

				field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

StaticResource

This is a table representing the StaticResource entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the StaticResource.
NamespacePrefix	<i>String</i>	True		Label Namespace Prefix corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
ContentType	<i>String</i>	False		Label MIME Type corresponds to this field.

BodyLength	<i>Int</i>	True		Label Size corresponds to this field.
Body	<i>String</i>	False		Label Body corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CacheControl	<i>String</i>	False		Label Cache Control corresponds to this field.

Task

This is a table representing the Task entities in Salesforce. To retrieve archived tasks, you must explicitly query for records with IsArchived set to True.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the Task.
WhoId	String	False		Label Contact/Lead ID corresponds to this field.
WhatId	String	False		Label Opportunity/Account ID corresponds to this field.
Subject	String	False		Label Subject corresponds to this field.
ActivityDate	Datetime	False		Label Due Date Only corresponds to this field.
Status	String	False		Label Status corresponds to this field.
Priority	String	False		Label Priority corresponds to this field.
OwnerId	String	False	User.Id	Label Assigned To ID corresponds to this field.
Description	String	False		Label Description corresponds to this field.

IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
AccountId	<i>String</i>	True	Account.Id	Label Account ID corresponds to this field.
IsClosed	<i>Boolean</i>	True		Label Closed corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
IsArchived	<i>Boolean</i>	True		Label Archived corresponds to this field.
CallDurationInSeconds	<i>Int</i>	False		Label Call Duration corresponds to this field.

CallType	<i>String</i>	False		Label Call Type corresponds to this field.
CallDisposition	<i>String</i>	False		Label Call Result corresponds to this field.
CallObject	<i>String</i>	False		Label Call Object Identifier corresponds to this field.
ReminderDateTime	<i>Datetime</i>	False		Label Reminder Date/Time corresponds to this field.
IsReminderSet	<i>Boolean</i>	False		Label Reminder Set corresponds to this field.
RecurrenceActivityId	<i>String</i>	True	Task.Id	Label Recurrence Activity ID corresponds to this field.
IsRecurrence	<i>Boolean</i>	False		Label Create Recurring Series of Tasks corresponds to this field.
RecurrenceStartDateOnly	<i>Datetime</i>	False		Label Start Date corresponds to this field.
RecurrenceEndDateOnly	<i>Datetime</i>	False		Label End Date corresponds to this field.

RecurrenceTimeZoneSidKey	<i>String</i>	False	Label Recurrence Time Zone corresponds to this field.
RecurrenceType	<i>String</i>	False	Label Recurrence Type corresponds to this field.
RecurrenceInterval	<i>Int</i>	False	Label Recurrence Interval corresponds to this field.
RecurrenceDayOfWeekMask	<i>Int</i>	False	Label Recurrence Day of Week Mask corresponds to this field.
RecurrenceDayOfMonth	<i>Int</i>	False	Label Recurrence Day of Month corresponds to this field.
RecurrenceInstance	<i>String</i>	False	Label Recurrence Instance corresponds to this field.
RecurrenceMonthOfYear	<i>String</i>	False	Label Recurrence Month of Year corresponds to this field.

TaskFeed

This is a table representing the TaskFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the TaskFeed.
ParentId	<i>String</i>	True	Task.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.

LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to

				this field.
InsertedById	<i>String</i>	True		Label InsertedBy ID corresponds to this field.

TaskPriority

This is a table representing the TaskPriority entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the TaskPriority.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsDefault	<i>Boolean</i>	True		Label Is Default corresponds to this field.
IsHighPriority	<i>Boolean</i>	True		Label Is High Priority corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

TaskStatus

This is a table representing the TaskStatus entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the TaskStatus.
MasterLabel	<i>String</i>	True		Label Master Label corresponds to this field.
SortOrder	<i>Int</i>	True		Label Sort Order corresponds to this field.
IsDefault	<i>Boolean</i>	True		Label Is Default

				corresponds to this field.
IsClosed	<i>Boolean</i>	True		Label Is Closed corresponds to this field.
CreatedByld	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
LastModifiedByld	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Topic

This is a table representing the Topic entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Topic.

Name	<i>String</i>	False		Label Name corresponds to this field.
Description	<i>String</i>	False		Label Description corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
TalkingAbout	<i>Int</i>	True		Label Talking About corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

TopicAssignment

This is a table representing the TopicAssignment entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the TopicAssignment.

TopicId	<i>String</i>	False	Topic.Id	Label Topic ID corresponds to this field.
EntityId	<i>String</i>	False		Label Entity ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

TopicFeed

This is a table representing the TopicFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the TopicFeed.
ParentId	<i>String</i>	True	Topic.Id	Label Parent ID

			corresponds to this field.
Type	<i>String</i>	True	Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True	Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True	Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True	Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True	Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True	Label System Modstamp corresponds to this field.
CommentCount	<i>Int</i>	True	Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True	Label Like Count corresponds to this field.
Title	<i>String</i>	True	Label Title corresponds to this field.

Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.
ContentType	<i>String</i>	True		Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True		Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True		Label InsertedById corresponds to this field.

UndecidedEventRelation

This is a table representing the UndecidedEventRelation entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the UndecidedEventRelation.
RelationId	String	True		Label Relation ID corresponds to this field.
EventId	String	True	Event.Id	Label Event ID corresponds to this field.
RespondedDate	Datetime	True		Label Response Date corresponds to this field.
Response	String	True		Label Response corresponds to this field.
CreatedDate	Datetime	True		Label Created Date corresponds to this field.
CreatedById	String	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	Datetime	True		Label Last Modified Date corresponds to this field.
LastModifiedById	String	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.
IsDeleted	Boolean	True		Label Deleted corresponds to this field.

Type	<i>String</i>	True	Label Type corresponds to this field.
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User

This is a table representing the User entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the User.
Username	<i>String</i>	False		Label Username corresponds to this field.
LastName	<i>String</i>	False		Label Last Name corresponds to this field.
FirstName	<i>String</i>	False		Label First Name corresponds to this field.
Name	<i>String</i>	True		Label Full Name corresponds to this field.
CompanyName	<i>String</i>	False		Label Company Name corresponds to this field.
Division	<i>String</i>	False		Label Division corresponds to this field.
Department	<i>String</i>	False		Label Department corresponds to this field.

Title	<i>String</i>	False	Label Title corresponds to this field.
Street	<i>String</i>	False	Label Street corresponds to this field.
City	<i>String</i>	False	Label City corresponds to this field.
State	<i>String</i>	False	Label State/Province corresponds to this field.
PostalCode	<i>String</i>	False	Label Zip/Postal Code corresponds to this field.
Country	<i>String</i>	False	Label Country corresponds to this field.
Latitude	<i>Double</i>	False	Label Latitude corresponds to this field.
Longitude	<i>Double</i>	False	Label Longitude corresponds to this field.
Email	<i>String</i>	False	Label E-mail corresponds to this field.
EmailPreferencesAutoBcc	<i>Boolean</i>	False	Label AutoBcc corresponds to this field.
EmailPreferencesAutoBccStayInTouch	<i>Boolean</i>	False	Label AutoBccStayInTouch corresponds to this field.
EmailPreferencesStayInTouchReminder	<i>Boolean</i>	False	Label StayInTouchReminder corresponds to this field.
SenderEmail	<i>String</i>	False	Label Email Sender Address corresponds to

			this field.
SenderName	<i>String</i>	False	Label Email Sender Name corresponds to this field.
Signature	<i>String</i>	False	Label Email Signature corresponds to this field.
StayInTouchSubject	<i>String</i>	False	Label Stay-in-Touch Email Subject corresponds to this field.
StayInTouchSignature	<i>String</i>	False	Label Stay-in-Touch Email Signature corresponds to this field.
StayInTouchNote	<i>String</i>	False	Label Stay-in-Touch Email Note corresponds to this field.
Phone	<i>String</i>	False	Label Phone corresponds to this field.
Fax	<i>String</i>	False	Label Fax corresponds to this field.
MobilePhone	<i>String</i>	False	Label Cell corresponds to this field.
Alias	<i>String</i>	False	Label Alias corresponds to this field.
CommunityNickname	<i>String</i>	False	Label Nickname corresponds to this field.
IsActive	<i>Boolean</i>	False	Label Active corresponds to this field.
TimeZoneSidKey	<i>String</i>	False	Label Time Zone

				corresponds to this field.
UserRoleId	String	False	UserRole.Id	Label Role ID corresponds to this field.
LocaleSidKey	String	False		Label Locale corresponds to this field.
ReceivesInfoEmails	Boolean	False		Label Info Emails corresponds to this field.
ReceivesAdminInfoEmails	Boolean	False		Label Admin Info Emails corresponds to this field.
EmailEncodingKey	String	False		Label Email Encoding corresponds to this field.
ProfileId	String	False	Profile.Id	Label Profile ID corresponds to this field.
UserType	String	True		Label User Type corresponds to this field.
LanguageLocaleKey	String	False		Label Language corresponds to this field.
EmployeeNumber	String	False		Label Employee Number corresponds to this field.
DelegatedApproverId	String	False		Label Delegated Approver ID corresponds to this field.
ManagerId	String	False	User.Id	Label Manager ID corresponds to this field.
LastLoginDate	DateTime	True		Label Last Login corresponds to this field.
LastPasswordChangeDate	DateTime	True		Label Last Password

	<i>me</i>			Change or Reset corresponds to this field.
CreatedDate	<i>DateTime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>DateTime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>DateTime</i>	True		Label System Modstamp corresponds to this field.
OfflineTrialExpirationDate	<i>DateTime</i>	True		Label Offline Edition Trial Expiration Date corresponds to this field.
OfflinePdaTrialExpirationDate	<i>DateTime</i>	True		Label Sales Anywhere Trial Expiration Date corresponds to this field.
UserPermissionsMarketingUser	<i>Boolean</i>	False		Label Marketing User corresponds to this field.
UserPermissionsOfflineUser	<i>Boolean</i>	False		Label Offline User corresponds to this field.
UserPermissionsCallCenterAutoLogin	<i>Boolean</i>	False		Label Auto-login To Call Center corresponds to this field.
UserPermissionsMobileUser	<i>Boolean</i>	False		Label Apex Mobile User corresponds to this field.
UserPermissionsSFContentUser	<i>Boolean</i>	False		Label Salesforce CRM

	<i>an</i>		Content User corresponds to this field.
UserPermissionsKnowledgeUser	<i>Boolean</i>	False	Label Knowledge User corresponds to this field.
UserPermissionsInteractionUser	<i>Boolean</i>	False	Label Force.com Flow User corresponds to this field.
UserPermissionsSupportUser	<i>Boolean</i>	False	Label Service Cloud User corresponds to this field.
UserPermissionsSiteforceContributorUser	<i>Boolean</i>	False	Label Site.com Contributor User corresponds to this field.
UserPermissionsSiteforcePublisherUser	<i>Boolean</i>	False	Label Site.com Publisher User corresponds to this field.
UserPermissionsChatterAnswersUser	<i>Boolean</i>	False	Label Chatter Answers User corresponds to this field.
ForecastEnabled	<i>Boolean</i>	False	Label Allow Forecasting corresponds to this field.
UserPreferencesActivityRemindersPopup	<i>Boolean</i>	False	Label ActivityRemindersPopup corresponds to this field.
UserPreferencesEventRemindersCheckboxDefault	<i>Boolean</i>	False	Label EventRemindersCheckboxDefault corresponds to this field.
UserPreferencesTaskRemindersCheckboxDefault	<i>Boolean</i>	False	Label TaskRemindersCheckboxDefault corresponds to

			this field.
UserPreferencesReminderSoundOff	Boolean	False	Label ReminderSoundOff corresponds to this field.
UserPreferencesDisableAllFeedsEmail	Boolean	False	Label DisableAllFeedsEmail corresponds to this field.
UserPreferencesDisableFollowersEmail	Boolean	False	Label DisableFollowersEmail corresponds to this field.
UserPreferencesDisableProfilePostEmail	Boolean	False	Label DisableProfilePostEmail corresponds to this field.
UserPreferencesDisableChangeCommentEmail	Boolean	False	Label DisableChangeComment Email corresponds to this field.
UserPreferencesDisableLaterCommentEmail	Boolean	False	Label DisableLaterCommentEmail corresponds to this field.
UserPreferencesDisProfPostCommentEmail	Boolean	False	Label DisProfPostCommentEmail corresponds to this field.
UserPreferencesApexPagesDeveloperMode	Boolean	False	Label ApexPagesDeveloperMode corresponds to this field.
UserPreferencesHideCSNGetChatterMobileTask	Boolean	False	Label HideCSNGetChatterMobileTask corresponds to

			this field.
UserPreferencesDisableMentionsPostEmail	Boolean	False	Label DisableMentionsPostEmail corresponds to this field.
UserPreferencesDisMentionsCommentEmail	Boolean	False	Label DisMentionsCommentEmail corresponds to this field.
UserPreferencesHideCSNDesktopTask	Boolean	False	Label HideCSNDesktopTask corresponds to this field.
UserPreferencesHideChatterOnboardingSplash	Boolean	False	Label HideChatterOnboardingSplash corresponds to this field.
UserPreferencesHideSecondChatterOnboardingSplash	Boolean	False	Label HideSecondChatterOnboardingSplash corresponds to this field.
UserPreferencesDisCommentAfterLikeEmail	Boolean	False	Label DisCommentAfterLikeEmail corresponds to this field.
UserPreferencesDisableLikeEmail	Boolean	False	Label DisableLikeEmail corresponds to this field.
UserPreferencesDisableMessageEmail	Boolean	False	Label DisableMessageEmail corresponds to this field.
UserPreferencesOptOutOfTouch	Boolean	False	Label OptOutOfTouch corresponds to this field.

UserPreferencesDisableBookmarkEmail	Boolean	False	Label DisableBookmarkEmail corresponds to this field.
UserPreferencesDisableSharePostEmail	Boolean	False	Label DisableSharePostEmail corresponds to this field.
UserPreferencesEnableAutoSubForFeeds	Boolean	False	Label EnableAutoSubForFeeds corresponds to this field.
UserPreferencesDisableFileShareNotificationsForApi	Boolean	False	Label DisableFileShareNotificationsForApi corresponds to this field.
UserPreferencesShowTitleToExternalUsers	Boolean	False	Label ShowTitleToExternalUsers corresponds to this field.
UserPreferencesShowManagerToExternalUsers	Boolean	False	Label ShowManagerToExternalUsers corresponds to this field.
UserPreferencesShowEmailToExternalUsers	Boolean	False	Label ShowEmailToExternalUsers corresponds to this field.
UserPreferencesShowWorkPhoneToExternalUsers	Boolean	False	Label ShowWorkPhoneToExternalUsers corresponds to this field.
UserPreferencesShowMobilePhoneToExternalUsers	Boolean	False	Label ShowMobilePhoneToExternalUsers corresponds to this field.

			this field.
UserPreferencesShowFaxToExternalUsers	Boolean	False	Label ShowFaxToExternalUsers corresponds to this field.
UserPreferencesShowStreetAddressToExternalUsers	Boolean	False	Label ShowStreetAddressToExternalUsers corresponds to this field.
UserPreferencesShowCityToExternalUsers	Boolean	False	Label ShowCityToExternalUsers corresponds to this field.
UserPreferencesShowStateToExternalUsers	Boolean	False	Label ShowStateToExternalUsers corresponds to this field.
UserPreferencesShowPostalCodeToExternalUsers	Boolean	False	Label ShowPostalCodeToExternalUsers corresponds to this field.
UserPreferencesShowCountryToExternalUsers	Boolean	False	Label ShowCountryToExternalUsers corresponds to this field.
UserPreferencesShowProfilePicToGuestUsers	Boolean	False	Label ShowProfilePicToGuestUsers corresponds to this field.
UserPreferencesShowTitleToGuestUsers	Boolean	False	Label ShowTitleToGuestUsers corresponds to this field.
UserPreferencesShowCityToGuestUsers	Boolean	False	Label

	<i>an</i>			ShowCityToGuestUsers corresponds to this field.
UserPreferencesShowStateToGuestUsers	<i>Boolean</i>	False		Label ShowStateToGuestUsers corresponds to this field.
UserPreferencesShowPostalCodeToGuestUsers	<i>Boolean</i>	False		Label ShowPostalCodeToGuestUsers corresponds to this field.
UserPreferencesShowCountryToGuestUsers	<i>Boolean</i>	False		Label ShowCountryToGuestUsers corresponds to this field.
UserPreferencesHideS1BrowserUI	<i>Boolean</i>	False		Label HideS1BrowserUI corresponds to this field.
ContactId	<i>String</i>	False	Contact .Id	Label Contact ID corresponds to this field.
AccountId	<i>String</i>	True	Account .Id	Label Account ID corresponds to this field.
CallCenterId	<i>String</i>	False	CallCenter .Id	Label Call Center ID corresponds to this field.
Extension	<i>String</i>	False		Label Extension corresponds to this field.
FederationIdentifier	<i>String</i>	False		Label SAML Federation ID corresponds to this field.
AboutMe	<i>String</i>	False		Label About Me corresponds to this field.
FullPhotoUrl	<i>String</i>	True		Label Url for full-sized

			Photo corresponds to this field.
SmallPhotoUrl	String	True	Label Url for Thumbnail sized Photo corresponds to this field.
DigestFrequency	String	False	Label Chatter Email Highlights Frequency corresponds to this field.
DefaultGroupNotificationFrequency	String	False	Label Default Notification Frequency when Joining Groups corresponds to this field.
LastViewedDate	DateTime	True	Label Last Viewed Date corresponds to this field.
LastReferencedDate	DateTime	True	Label Last Referenced Date corresponds to this field.
GeoLoc__Latitude__s	Double	False	Label GeoLoc (Latitude) corresponds to this field.
GeoLoc__Longitude__s	Double	False	Label GeoLoc (Longitude) corresponds to this field.
GeoLoc__c	String	True	Label GeoLoc corresponds to this field.
TextLong__c	String	False	Label TextLong corresponds to this field.
ExternId__c	String	False	Label ExternId corresponds to this field.

UserFeed

This is a table representing the UserFeed entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the UserFeed.
ParentId	<i>String</i>	True	User.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	True		Label Feed Item Type corresponds to this field.
CreatedById	<i>String</i>	True		Label Created By ID corresponds to this field.
CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to

				this field.
CommentCount	<i>Int</i>	True		Label Comment Count corresponds to this field.
LikeCount	<i>Int</i>	True		Label Like Count corresponds to this field.
Title	<i>String</i>	True		Label Title corresponds to this field.
Body	<i>String</i>	True		Label Body corresponds to this field.
LinkUrl	<i>String</i>	True		Label Link Url corresponds to this field.
RelatedRecordId	<i>String</i>	True	ContentVersion.Id	Label Related Record ID corresponds to this field.
ContentData	<i>String</i>	True		Label Content Data corresponds to this field.
ContentFileName	<i>String</i>	True		Label Content File Name corresponds to this field.
ContentDescription	<i>String</i>	True		Label Content Description corresponds to this field.

ContentType	<i>String</i>	True	Label Content File Type corresponds to this field.
ContentSize	<i>Int</i>	True	Label Content Size corresponds to this field.
InsertedById	<i>String</i>	True	Label InsertedBy ID corresponds to this field.

UserLicense

This is a table representing the UserLicense entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the UserLicense.
LicenseDefinitionKey	<i>String</i>	True		Label License Def. ID corresponds to this field.
Name	<i>String</i>	True		Label Name corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

UserLogin

This is a table representing the UserLogin entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the UserLogin.
UserId	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
IsFrozen	<i>Boolean</i>	True		Label Is Frozen corresponds to this field.
IsPasswordLocked	<i>Boolean</i>	True		Label Is Password Locked corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.

UserPreference

This is a table representing the UserPreference entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the UserPreference.
UserId	String	True	User.Id	Label User ID corresponds to this field.
Preference	String	True		Label Preference corresponds to this field.
Value	String	True		Label Value corresponds to this field.
SystemModstamp	Datetime	True		Label System Modstamp corresponds to this field.

UserProfile

This is a table representing the UserProfile entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the UserProfile.

LastName	String	True		Label Last Name corresponds to this field.
FirstName	String	True		Label First Name corresponds to this field.
Name	String	True		Label Name corresponds to this field.
Title	String	True		Label Title corresponds to this field.
ManagerId	String	True	UserProfile.Id	Label Manager ID corresponds to this field.
CompanyName	String	True		Label Company Name corresponds to this field.
AboutMe	String	True		Label About Me corresponds to this field.
Email	String	True		Label E-mail corresponds to this field.
Phone	String	True		Label Phone corresponds to this field.
MobilePhone	String	True		Label Cell corresponds to this field.
Fax	String	True		Label Fax corresponds to this field.
Street	String	True		Label Street corresponds to this field.
City	String	True		Label City corresponds to this field.

State	<i>String</i>	True	Label State/Province corresponds to this field.
PostalCode	<i>String</i>	True	Label Zip/Postal Code corresponds to this field.
Country	<i>String</i>	True	Label Country corresponds to this field.
Latitude	<i>Double</i>	True	Label Latitude corresponds to this field.
Longitude	<i>Double</i>	True	Label Longitude corresponds to this field.
IsBadged	<i>Boolean</i>	True	Label User Photo has a badge overlay corresponds to this field.
IsActive	<i>Boolean</i>	True	Label Active corresponds to this field.
UserPreferencesActivityRemindersPopup	<i>Boolean</i>	True	Label ActivityRemindersPopup corresponds to this field.
UserPreferencesEventRemindersCheckboxDefault	<i>Boolean</i>	True	Label EventRemindersCheckboxDefault corresponds to this field.
UserPreferencesTaskRemindersCheckboxDefault	<i>Boolean</i>	True	Label TaskRemindersCheckboxDefault corresponds to this field.
UserPreferencesReminderSoundOff	<i>Boolean</i>	True	Label ReminderSoundOff corresponds to this field.
UserPreferencesDisableAllFeedsEmail	<i>Boolean</i>	True	Label

	<i>an</i>		DisableAllFeedsEmail corresponds to this field.
UserPreferencesDisableFollowersEmail	<i>Boolean</i>	True	Label DisableFollowersEmail corresponds to this field.
UserPreferencesDisableProfilePostEmail	<i>Boolean</i>	True	Label DisableProfilePostEmail corresponds to this field.
UserPreferencesDisableChangeCommentEmail	<i>Boolean</i>	True	Label DisableChangeComment Email corresponds to this field.
UserPreferencesDisableLaterCommentEmail	<i>Boolean</i>	True	Label DisableLaterCommentEm ail corresponds to this field.
UserPreferencesDisProfPostCommentEmail	<i>Boolean</i>	True	Label DisProfPostCommentEm ail corresponds to this field.
UserPreferencesApexPagesDeveloperMode	<i>Boolean</i>	True	Label ApexPagesDeveloperMod e corresponds to this field.
UserPreferencesHideCSNGetChatterMobileTask	<i>Boolean</i>	True	Label HideCSNGetChatterMobil eTask corresponds to this field.
UserPreferencesDisableMentionsPostEmail	<i>Boolean</i>	True	Label DisableMentionsPostEma il corresponds to this field.

UserPreferencesDisMentionsCommentEmail	Boolean	True	Label DisMentionsCommentEmail corresponds to this field.
UserPreferencesHideCSNDesktopTask	Boolean	True	Label HideCSNDesktopTask corresponds to this field.
UserPreferencesHideChatterOnboardingSplash	Boolean	True	Label HideChatterOnboardingSplash corresponds to this field.
UserPreferencesHideSecondChatterOnboardingSplash	Boolean	True	Label HideSecondChatterOnboardingSplash corresponds to this field.
UserPreferencesDisCommentAfterLikeEmail	Boolean	True	Label DisCommentAfterLikeEmail corresponds to this field.
UserPreferencesDisableLikeEmail	Boolean	True	Label DisableLikeEmail corresponds to this field.
UserPreferencesDisableMessageEmail	Boolean	True	Label DisableMessageEmail corresponds to this field.
UserPreferencesOptOutOfTouch	Boolean	True	Label OptOutOfTouch corresponds to this field.
UserPreferencesDisableBookmarkEmail	Boolean	True	Label DisableBookmarkEmail corresponds to this field.
UserPreferencesDisableSharePostEmail	Boolean	True	Label DisableSharePostEmail

				corresponds to this field.
UserPreferencesEnableAutoSubForFeeds	Boolean	True		Label EnableAutoSubForFeeds corresponds to this field.
UserPreferencesDisableFileShareNotificationsForApi	Boolean	True		Label DisableFileShareNotificationsForApi corresponds to this field.
UserPreferencesShowTitleToExternalUsers	Boolean	True		Label ShowTitleToExternalUsers corresponds to this field.
UserPreferencesShowManagerToExternalUsers	Boolean	True		Label ShowManagerToExternalUsers corresponds to this field.
UserPreferencesShowEmailToExternalUsers	Boolean	True		Label ShowEmailToExternalUsers corresponds to this field.
UserPreferencesShowWorkPhoneToExternalUsers	Boolean	True		Label ShowWorkPhoneToExternalUsers corresponds to this field.
UserPreferencesShowMobilePhoneToExternalUsers	Boolean	True		Label ShowMobilePhoneToExternalUsers corresponds to this field.
UserPreferencesShowFaxToExternalUsers	Boolean	True		Label ShowFaxToExternalUsers corresponds to this field.

UserPreferencesShowStreetAddressToExternalUsers	Boolean	True	Label ShowStreetAddressToExternalUsers corresponds to this field.
UserPreferencesShowCityToExternalUsers	Boolean	True	Label ShowCityToExternalUsers corresponds to this field.
UserPreferencesShowStateToExternalUsers	Boolean	True	Label ShowStateToExternalUsers corresponds to this field.
UserPreferencesShowPostalCodeToExternalUsers	Boolean	True	Label ShowPostalCodeToExternalUsers corresponds to this field.
UserPreferencesShowCountryToExternalUsers	Boolean	True	Label ShowCountryToExternalUsers corresponds to this field.
UserPreferencesShowProfilePicToGuestUsers	Boolean	True	Label ShowProfilePicToGuestUsers corresponds to this field.
UserPreferencesShowTitleToGuestUsers	Boolean	True	Label ShowTitleToGuestUsers corresponds to this field.
UserPreferencesShowCityToGuestUsers	Boolean	True	Label ShowCityToGuestUsers corresponds to this field.
UserPreferencesShowStateToGuestUsers	Boolean	True	Label ShowStateToGuestUsers corresponds to this field.

UserPreferencesShowPostalCodeToGuestUsers	<i>Boolean</i>	True		Label ShowPostalCodeToGuestUsers corresponds to this field.
UserPreferencesShowCountryToGuestUsers	<i>Boolean</i>	True		Label ShowCountryToGuestUsers corresponds to this field.
UserPreferencesHideS1BrowserUI	<i>Boolean</i>	True		Label HideS1BrowserUI corresponds to this field.
FullPhotoUrl	<i>String</i>	True		Label Url for full-sized Photo corresponds to this field.
SmallPhotoUrl	<i>String</i>	True		Label Url for Thumbnail sized Photo corresponds to this field.
LastModifiedDate	<i>DateTime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>DateTime</i>	True		Label System Modstamp corresponds to this field.

UserRecordAccess

This is a table representing the UserRecordAccess entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
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Id [KEY]	<i>String</i>	True		Unique identifier of the UserRecordAccess.
UserId	<i>String</i>	True	User.Id	Label User ID corresponds to this field.
RecordId	<i>String</i>	True		Label Record ID corresponds to this field.
HasReadAccess	<i>Boolean</i>	True		Label Has Read Access corresponds to this field.
HasEditAccess	<i>Boolean</i>	True		Label Has Edit Access corresponds to this field.
HasDeleteAccess	<i>Boolean</i>	True		Label Has Delete Access corresponds to this field.
HasTransferAccess	<i>Boolean</i>	True		Label Has Transfer Access corresponds to this field.
HasAllAccess	<i>Boolean</i>	True		Label Has All Access corresponds to this field.
MaxAccessLevel	<i>String</i>	True		Label Maximum Access Level corresponds to this field.

UserRole

This is a table representing the UserRole entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	String	True		Unique identifier of the UserRole.
Name	String	False		Label Name corresponds to this field.
ParentRoleId	String	False	UserRole.Id	Label Parent Role ID corresponds to this field.
RollupDescription	String	False		Label Description corresponds to this field.
OpportunityAccessForAccountOwner	String	False		Label Opportunity Access Level for Account Owner corresponds to this field.
CaseAccessForAccountOwner	String	False		Label Case Access Level for Account Owner corresponds to this field.
ContactAccessForAccountOwner	String	True		Label Contact

				Access Level for Account Owner corresponds to this field.
ForecastUserId	<i>String</i>	False	User.Id	Label User ID corresponds to this field.
MayForecastManagerShare	<i>Boolean</i>	True		Label May Forecast Manager Share corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.
DeveloperName	<i>String</i>	False		Label Developer Name corresponds to this field.

PortalAccountId	<i>String</i>	False	Account.Id	Label Account ID corresponds to this field.
PortalType	<i>String</i>	False		Label Portal Type corresponds to this field.
PortalAccountOwnerId	<i>String</i>	True	User.Id	Label User ID corresponds to this field.

Vote

This is a table representing the Vote entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the Vote.
IsDeleted	<i>Boolean</i>	True		Label Deleted corresponds to this field.
ParentId	<i>String</i>	False	Solution.Id	Label Parent ID corresponds to this field.
Type	<i>String</i>	False		Label Vote Type corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

WebLink

This is a table representing the WebLink entities in Salesforce.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>String</i>	True		Unique identifier of the WebLink.
PageOrSubjectType	<i>String</i>	False		Label Page Or sObject Type Name corresponds to this field.
Name	<i>String</i>	False		Label Name corresponds to this field.
IsProtected	<i>Boolean</i>	False		Label Protected Component corresponds to this field.

Url	<i>String</i>	False	Label URL corresponds to this field.
EncodingKey	<i>String</i>	False	Label Link Encoding corresponds to this field.
LinkType	<i>String</i>	False	Label Content Source corresponds to this field.
OpenType	<i>String</i>	False	Label Behavior corresponds to this field.
Height	<i>Int</i>	False	Label Height (in pixels) corresponds to this field.
Width	<i>Int</i>	False	Label Width (in pixels) corresponds to this field.
ShowsLocation	<i>Boolean</i>	False	Label Show Address Bar corresponds to this field.
HasScrollbars	<i>Boolean</i>	False	Label Show Scrollbars corresponds to this field.
HasToolbar	<i>Boolean</i>	False	Label Show Toolbars corresponds to this field.
HasMenubar	<i>Boolean</i>	False	Label Show Menu Bar corresponds to

			this field.
ShowsStatus	<i>Boolean</i>	False	Label Show Status Bar corresponds to this field.
IsResizable	<i>Boolean</i>	False	Label Resizable corresponds to this field.
Position	<i>String</i>	False	Label Window Position corresponds to this field.
ScontrolId	<i>String</i>	False	Label Custom S-Control ID corresponds to this field.
MasterLabel	<i>String</i>	False	Label Label corresponds to this field.
Description	<i>String</i>	False	Label Description corresponds to this field.
DisplayType	<i>String</i>	False	Label Display Type corresponds to this field.
RequireRowSelection	<i>Boolean</i>	False	Label Require Row Selection corresponds to this field.
NamespacePrefix	<i>String</i>	True	Label Namespace Prefix corresponds to this field.

CreatedDate	<i>Datetime</i>	True		Label Created Date corresponds to this field.
CreatedById	<i>String</i>	True	User.Id	Label Created By ID corresponds to this field.
LastModifiedDate	<i>Datetime</i>	True		Label Last Modified Date corresponds to this field.
LastModifiedById	<i>String</i>	True	User.Id	Label Last Modified By ID corresponds to this field.
SystemModstamp	<i>Datetime</i>	True		Label System Modstamp corresponds to this field.

Views

Views are composed of columns and pseudo columns. Views are similar to tables in the way that data is represented; however, views do not support updates. Entities that are represented as views are typically read-only entities. Often, a stored procedure is available to update the data if such functionality is applicable to the data source.

Queries can be executed against a view as if it were a normal table, and the data that comes back is similar in that regard.

Dynamic views, such as queries exposed as views, and views for looking up specific combinations of project_team work items are supported.

Salesforce with SSO Adapter Views

Name	Description
------	-------------

Formulas	This table lists formulas for the specified TableName.
JobRecordResultsV2	Retrieves a list of records for a specific job.
PickListValues	This table lists picklist values for the specified TableName.
PolymorphicColumnsRelationships	Lists polymorphic columns relationships in the specified table name.
TableRelationships	Lists relationships in the specified table.

Formulas

This table lists formulas for the specified TableName.

Table-Specific Information

Select

The adapter processes all filters client-side within the adapter. The following queries are the only ones processed server side:

```
SELECT * FROM Formulas
SELECT * FROM Formulas WHERE TableName = 'Account'
```

Note: Querying the table without a TableName filter specified will attempt to retrieve column metadata for all objects in your Salesforce with SSO account. Depending on the number of objects, this can take a while.

Columns

Name	Type	Description

TableName	<i>String</i>	The name of the table. This must be specified when retrieving data from Formulas.
ColumnName	<i>String</i>	The name of the column associated with the Formula.
Formula	<i>String</i>	The formula associated with this field.

JobRecordResultsV2

Retrieves a list of records for a specific job.

Table Specific Information

This view shows information about the records that have passed, failed, or are unprocessed after executing the CreateJobV2 stored procedure.

Select

To query this view you must specify the JobId, RecordState, and ColumnDelimiter columns in the WHERE clause. For example:

```
SELECT * FROM JobRecordResultsV2 WHERE JobId='133485445' AND
ColumnDelimiter='COMMA' AND RecordState='Failed'
```

Columns

Name	Type	Description
ID [KEY]	<i>String</i>	ID of the record that was successfully processed.
Created	<i>Boolean</i>	The name of the table. This must be specified when

		retrieving data from PickListInformation.
RowFromOriginalCSV	String	Truncated row that was provided in the original job data upload request.
JobId	String	Specified the unique Id of the job.
RecordState	String	Specifies the type of the records that were processed by Salesforce. Valid values are 'Successful', 'Failed', 'Unprocessed'.
ColumnDelimiter	String	The column delimiter used for CSV job data. Valid values are 'BACKQUOTE','CARET','COMMA', 'PIPE', 'SEMICOLON', 'TAB'.

PickListValues

This table lists picklist values for the specified TableName.

Table-Specific Information

Select

TableName should be specified in the WHERE clause. RecordTypeId may also be specified along TableName to only retrieve data for a specific record type.

```
SELECT * FROM Formulas WHERE TableName = 'Account'
SELECT * FROM Formulas WHERE TableName = 'Account' AND RecordTypeId =
'0121W0000000cq9EDAL'
```

Columns

Name	Type	Description
------	------	-------------

ID [KEY]	<i>String</i>	The unique identifier of the picklist in the format ColumnName Picklist_Value.
TableName	<i>String</i>	The name of the table. This must be specified when retrieving data from PickListInformation.
ColumnName	<i>String</i>	The name of the column associated with the picklist entry. This may be optionally specified to only retrieve picklist information with regards to the specified column.
PickList_Value	<i>String</i>	The picklist value.
PickList_Label	<i>String</i>	The label for the picklist value.
PickList_IsActive	<i>Boolean</i>	A boolean indicating if the picklist value is active.
PickList_IsDefault	<i>Boolean</i>	A boolean indicating if this picklist value is the default value for the column it is associated with.

Pseudo-Columns

Pseudo column fields are used in the WHERE clause of SELECT statements and offer a more granular control over the tuples that are returned from the data source.

Name	Type	Description
RecordTypeld	<i>String</i>	The Id of the record type. Specify this to return values only for picklist fields of a record type.

PolymorphicColumnsRelationships

Lists polymorphic columns relationships in the specified table name.

Columns

Name	Type	Description
TableName	<i>String</i>	The name of the table to retrieve relationship information from.
ColumnName	<i>String</i>	The name of the polymorphic field.
SalesforceType	<i>String</i>	The salesforce type of the polymorphic field.
PrimaryKeyName	<i>String</i>	The name of the primary key.
RelationshipName	<i>String</i>	The salesforce name of the relationship.
ReferencedTableName	<i>String</i>	The name of the object the polymorphic fields relates to.
ReferencedColumnName	<i>String</i>	The name of the column the polymorphic fields relates to.
ForeignKeyName	<i>String</i>	The name of the foreign key.

TableRelationships

Lists relationships in the specified table.

Columns

Name	Type	Description
ChildsObject [KEY]	<i>String</i>	The child table that is related to the specified TableName in the input.
RelationshipName [KEY]	<i>String</i>	The name of the relationship.
Field	<i>String</i>	The field the relationship is associated on. Found in the ChildsObject.
ParentObject	<i>String</i>	The parent object in the relationship. This is the same as the input TableName.
DeprecatedAndHidden	<i>Boolean</i>	Boolean indicating if the relationship is deprecated and now hidden.
CascadeDelete	<i>Boolean</i>	Boolean stating if this entity is deleted, does the child object also get deleted.

Pseudo-Columns

Pseudo column fields are used in the WHERE clause of SELECT statements and offer a more granular control over the tuples that are returned from the data source.

Name	Type	Description
TableName	<i>String</i>	The name of the table to retrieve relationship information from.

Stored Procedures

Stored procedures are function-like interfaces that extend the functionality of the adapter beyond simple SELECT/INSERT/UPDATE/DELETE operations with Salesforce with SSO.

Stored procedures accept a list of parameters, perform their intended function, and then return, if applicable, any relevant response data from Salesforce with SSO, along with an indication of whether the procedure succeeded or failed.

Salesforce with SSO Adapter Stored Procedures

Name	Description
AbortJob	Aborts a Salesforce job.
CloseJob	Closes a Salesforce job.
CloseJobV2	Closes or aborts a Salesforce job.
ConvertLead	Converts a Lead into an Account, Contact, or (optionally) an Opportunity.
CreateBatch	Creates a Salesforce batch.
CreateJob	Add a Salesforce object entry.
CreateJobV2	Creates a job, which represents a bulk operation (and associated data) that is sent to Salesforce for asynchronous processing. Provide job data via an Upload Job Data request, or as part of a multipart create job request.
CreateReportSchema	Creates a schema file based on the specified report.
CreateSchema	Creates a schema file for the specified table.
DeleteJobV2	Deletes a job. To be deleted, a job must have a state of UploadComplete, JobComplete, Aborted, or Failed.
DownloadAttachment	Downloads the attachment or attachments associated with a specific entity in Salesforce.
DownloadContentDocument	Downloads the content document or documents in Salesforce.

DownloadDocument	Downloads the document or documents in Salesforce.
GetBatch	Gets information about a Salesforce batch.
GetBatchResults	Gets the results of a Salesforce batch.
GetCustomReport	Get the custom report by report Id.
GetDeleted	Retrieves the list of individual records that have been deleted within the given timespan for the specified object.
GetJob	Gets information about a Salesforce job.
GetJobBatchIds	Get batch id for all batches in a Job.
GetLimitInfo	Retrieves limit information for the organization. Use this stored procedure to monitor your SOAP API limits as you make calls against the organization.
GetOAuthAccessToken	If using a Windows application, set Authmode to App. If using a Web app, set Authmode to Web and specify the Verifier obtained by GetOAuthAuthorizationUrl.
GetOAuthAuthorizationUrl	Gets the authorization URL that must be opened separately by the user to grant access to your application. Only needed when developing Web apps.
GetUpdated	Retrieves the list of individual records that have been updated within the given timespan for the specified object.
GetUserInformation	Retrieves personal information for the user associated with the current session.
Merge	Combines up to 3 records of the same type into 1 record.
MetadataDeploy	Deploys file representations of components into an org by creating, updating or deleting the components they represent. To be used after executing MetadataRetrieve Stored Procedure.

MetadataDeployDetails	Used to retrieve additional details about MetadataDeploy job. Can be used after executing MetadataDeploy Stored Procedure.
MetadataRetrieve	Retrieve file representations of components in an organization.
QueryBatch	Get data from Salesforce using query batch. Only batches created with content type CSV can be queried with this stored procedure.
RefreshOAuthAccessToken	Refreshes the OAuth token or session id after the session has expired. Your OAuth application must have the refresh_token scope enabled.
Undelete	Restores from Salesforce's RecycleBin a deleted record.
UploadAttachment	Uploads an attachment and associates it with an entity in Salesforce.
UploadContentDocument	Uploads a content document in Salesforce.
UploadDocument	Uploads a document in Salesforce.
UploadJobDataV2	Upload the CSV file to Salesforce.

AbortJob

Aborts a Salesforce job.

Input

Name	Type	Description
JobId	String	Id of the job being aborted.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the job.
JobID	<i>String</i>	The Id of the job.
ObjectName	<i>String</i>	The name of the object to be used with the job.
Operation	<i>String</i>	The operation for the job. For example, delete, insert, query, upsert, update, or hardDelete.
ApiVersion	<i>String</i>	The API version of the job set in the URI when the job was created. The earliest supported version is 17.0.
ApexProcessingTime	<i>String</i>	The number of milliseconds taken to process triggers and other processes related to the job data. This is the sum of the equivalent times in all batches in the job. This does not include the time used for processing asynchronous and batch Apex operations. If there are no triggers, the value is 0. This field is available in API version 19.0 and later.
ApiActiveProcessingTime	<i>String</i>	The number of milliseconds taken to actively process the job. This value includes ApexProcessingTime, but not the time the job waited in the queue to be processed or the time required for serialization and deserialization. This is the sum of the equivalent times in all batches in the job. This field is available in API version 19.0 and later.
AssignmentRuleId	<i>String</i>	The Id of a specific assignment rule to run for a case or a lead. The assignment rule can be active

		or inactive.
ConcurrencyMode	<i>String</i>	The concurrency mode for the job. The valid values are: parallel and serial.
ContentType	<i>String</i>	The content type for the job. The valid values are: CSV, XML, ZIP_CSV, and ZIP_XML.
CreatedById	<i>String</i>	Id of the user who created the job.
CreatedDate	<i>String</i>	Date the job was created.
ExternalIdFieldName	<i>String</i>	The name of the external Id field for an upsert.
NumberBatchesCompleted	<i>String</i>	The number of batches that have been completed for this job.
NumberBatchesQueued	<i>String</i>	The number of batches queued for this job.
NumberBatchesFailed	<i>String</i>	The number of batches that have failed for this job.
NumberBatchesInProgress	<i>String</i>	The number of batches that are in progress for this job.
NumberBatchesTotal	<i>String</i>	The number of total batches currently in the job. This value increases as more batches are added to the job. When the jobstate is Closed or Failed, this number represents the final total. The job is complete when NumberBatchesTotal equals the sum of NumberBatchesCompleted and NumberBatchesFailed.
NumberRecordsFailed	<i>String</i>	The number of records that were not processed successfully in this job. This field is available in API version 19.0 and later.

NumberRecordsProcessed	<i>String</i>	The number of records already processed. This number increases as more batches are processed.
NumberRetries	<i>String</i>	The number of times that Salesforce attempted to save the results of an operation. The repeated attempts are due to a problem, such as a lock contention.
State	<i>String</i>	The state of the job. For example, Open, Closed, Aborted, or Failed.
SystemModStamp	<i>String</i>	Date and time in the UTC time zone when the job finished.
TotalProcessingTime	<i>String</i>	The number of milliseconds taken to process the job. This is the sum of the total processing times for all batches in the job. See also <code>ApexProcessingTime</code> and <code>ApiActiveProcessingTime</code> . This field is available in API version 19.0 and later.

CloseJob

Closes a Salesforce job.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job being closed.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the job.
JobID	<i>String</i>	The Id of the job.
ObjectName	<i>String</i>	The name of the object to be used with the job.
Operation	<i>String</i>	The operation for the job. For example, delete, insert, query, upsert, update, or hardDelete.
ApiVersion	<i>String</i>	The API version of the job set in the URI when the job was created. The earliest supported version is 17.0.
ApexProcessingTime	<i>String</i>	The number of milliseconds taken to process triggers and other processes related to the job data. This is the sum of the equivalent times in all batches in the job. This does not include the time used for processing asynchronous and batch Apex operations. If there are no triggers, the value is 0. This field is available in API version 19.0 and later.
ApiActiveProcessingTime	<i>String</i>	The number of milliseconds taken to actively process the job. This value includes ApexProcessingTime, but does not include the time the job waited in the queue to be processed or the time required for serialization and deserialization. This is the sum of the equivalent times in all batches in the job. This field is available in API version 19.0 and later.
AssignmentRuleId	<i>String</i>	The Id of a specific assignment rule to run for a case or a lead. The assignment rule can be active or inactive.

ConcurrencyMode	<i>String</i>	The concurrency mode for the job. The valid values are: parallel and serial.
ContentType	<i>String</i>	The content type for the job. The valid values are: CSV, XML, ZIP_CSV, and ZIP_XML.
CreatedById	<i>String</i>	Id of the user who created the job.
CreatedDate	<i>String</i>	Date the job was created.
ExternalIdFieldName	<i>String</i>	The name of the external Id field for an upsert.
NumberBatchesCompleted	<i>String</i>	The number of batches that have been completed for this job.
NumberBatchesQueued	<i>String</i>	The number of batches queued for this job.
NumberBatchesFailed	<i>String</i>	The number of batches that have failed for this job.
NumberBatchesInProgress	<i>String</i>	The number of batches that are in progress for this job.
NumberBatchesTotal	<i>String</i>	The number of total batches currently in the job. This value increases as more batches are added to the job. When the jobstate is Closed or Failed, this number represents the final total. The job is complete when NumberBatchesTotal equals the sum of NumberBatchesCompleted and NumberBatchesFailed.
NumberRecordsFailed	<i>String</i>	The number of records that were not processed successfully in this job. This field is available in API version 19.0 and later.
NumberRecordsProcessed	<i>String</i>	The number of records already processed. This

		number increases as more batches are processed.
NumberRetries	<i>String</i>	The number of times that Salesforce attempted to save the results of an operation. The repeated attempts are due to a problem, such as a lock contention.
State	<i>String</i>	The state of the job. For example, Open, Closed, Aborted, or Failed.
SystemModStamp	<i>String</i>	Date and time in the UTC time zone when the job finished.
TotalProcessingTime	<i>String</i>	The number of milliseconds taken to process the job. This is the sum of the total processing times for all batches in the job. See also <code>ApexProcessingTime</code> and <code>ApiActiveProcessingTime</code> . This field is available in API version 19.0 and later.

CloseJobV2

Closes or aborts a Salesforce job.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job being closed.
State	<i>String</i>	The state to update the job to. Use <code>UploadComplete</code> to close a job, or <code>Aborted</code> to abort a job.

Result Set Columns

Name	Type	Description
Closed	<i>String</i>	Whether the Job was closed or not.

ConvertLead

Converts a Lead into an Account, Contact, or (optionally) an Opportunity.

Note: This procedure makes use of **indexed parameters**. These input parameters are denoted with a '#' character at the end of their names.

Indexed parameters facilitate providing multiple instances a single parameter as inputs for the procedure.

Suppose there is an input parameter named Param#. Input multiple instances of an indexed parameter like this:

```
EXEC ProcedureName Param#1 = "value1", Param#2 = "value2", Param#3 = "value3"
```

Input

Name	Type	Description
AccountId#	<i>String</i>	ID of the Account into which the lead will be merged. Required only when updating an existing account, including person accounts. If no accountId is specified, then the API creates a new account. To create a new account, the client application must be logged in with sufficient access rights. To merge a lead into an existing account, the client application must be logged in with read/write access to the specified account.

		The account name and other existing data are not overwritten.
ContactId#	<i>String</i>	ID of the Contact into which the lead will be merged (this contact must be associated with the specified accountId, and an accountId must be specified). Required only when updating an existing contact. If you are converting a lead into a person account, do not specify the contactId or an error will result. Specify only the accountId of the person account. If no contactID is specified, then the API creates a new contact that is implicitly associated with the Account. To create a new contact, the client application must be logged in with sufficient access rights. To merge a lead into an existing contact, the client application must be logged in with read/write access to the specified contact. The contact name and other existing data are not overwritten (unless overwriteLeadSource is set to true, in which case only the LeadSource field is overwritten).
ConvertedStatus#	<i>String</i>	Valid LeadStatus value for a converted lead. Required. To obtain the list of possible values, the client application queries the LeadStatus object.
DoNotCreateOpportunity#	<i>String</i>	Specifies whether to create an Opportunity during lead conversion (false, the default) or not (true). Set this flag to true only if you do not want to create an opportunity from the lead. An opportunity is created by default.
LeadId#	<i>String</i>	ID of the Lead to convert. Required.
OpportunityName#	<i>String</i>	Name of the opportunity to create. If no name is specified, then this value defaults to the company name of the lead. The maximum length of this field is 80 characters. If doNotCreateOpportunity argument is true, then no Opportunity is created

		and this field must be left blank; otherwise, an error is returned.
OverwriteLeadSource#	<i>String</i>	Specifies whether to overwrite the LeadSource field on the target Contact object with the contents of the LeadSource field in the source Lead object (true), or not (false, the default). To set this field to true, the client application must specify a contactId for the target contact.
OwnerId#	<i>String</i>	Specifies the ID of the person to own any newly created account, contact, and opportunity. If the client application does not specify this value, then the owner of the new object will be the owner of the lead. Not applicable when merging with existing objects-if an ownerId is specified, the API does not overwrite the ownerId field in an existing account or contact.
SendNotificationEmail#	<i>String</i>	Specifies whether to send a notification email to the owner specified in the ownerId (true) or not (false, the default). The default value is <i>FALSE</i> .

Result Set Columns

Name	Type	Description
AccountId	<i>String</i>	ID of the new Account (if a new account was specified) or the ID of the account specified when convertLead() was invoked.
ContactId	<i>String</i>	ID of the new Contact (if a new contact was specified) or the ID of the contact specified when convertLead() was invoked.
LeadId	<i>String</i>	ID of the converted Lead.

OpportunityId	<i>String</i>	ID of the new Opportunity, if one was created when convertLead() was invoked.
Success	<i>String</i>	Indicates whether the convertLead() call succeeded (true) or not (false) for this object.
Errors	<i>String</i>	If an error occurred during the create() call, an array of one or more Error objects providing the error code and description.

CreateBatch

Creates a Salesforce batch.

Table-Specific Information

To create a batch, specify the Id of the Job you are adding it to and the XML aggregate of the batch itself. For example, the XML aggregate may resemble the following:

```
<?xml version="1.0" encoding="UTF-8"?>
<sobjects xmlns="http://www.force.com/2009/06/asyncapi/dataload"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <sobject>
    <FirstName>Bill</FirstName>
    <LastName>White</LastName>
  </sobject>
  <sobject>
    <FirstName>Bob</FirstName>
    <LastName>Black</LastName>
  </sobject>
</sobjects>
```

Note: The objects contained in the XML aggregate must all correspond to the object associated with the Job being used.

Input

Name	Type	Description

JobId	<i>String</i>	Id of the job the batch is being added to.
Aggregate	<i>String</i>	The aggregate of objects being added. Specifies the query to use if performing a batch query.
ContentType	<i>String</i>	<p>The content type for the job. The valid values are: CSV, XML, ZIP_CSV, and ZIP_XML. Set the value to CSV if performing a batch query</p> <p>The default value is <i>XML</i>.</p>

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the batch.
JobID	<i>String</i>	The Id of the job.
ApexProcessingTime	<i>String</i>	The number of milliseconds taken to process triggers and other processes related to the batch data. If there are no triggers, the value is 0. This does not include the time used for processing asynchronous and batch Apex operations. See also <code>ApiActiveProcessingTime</code> and <code>TotalProcessingTime</code> . This field is available in API version 19.0 and later.
ApiActiveProcessingTime	<i>String</i>	The number of milliseconds taken to actively process the batch. This value includes <code>ApexProcessingTime</code> , but not the time the batch waited in the queue to be processed or the time required for serialization and deserialization. See also <code>TotalProcessingTime</code> . This field is available in API version 19.0 and later.

CreatedDate	<i>String</i>	The date and time in the UTC time zone when the batch was created. This is not the time processing began, but the time the batch was added to the job.
NumberRecordsFailed	<i>String</i>	The unique, 18 character Id for the job associated with this batch.
NumberRecordsProcessed	<i>String</i>	The number of records processed in this batch at the time the request was sent. This number increases as more batches are processed.
State	<i>String</i>	The current state of processing for the batch. For instance, Queued, InProgress, Completed, Failed, or Not Processed.
StateMessage	<i>String</i>	Contains details about the state. For example, if the state value is Failed, this field contains the reasons for failure. If there are multiple failures, the message may be truncated. If so, fix the known errors and resubmit the batch: Even if the batch failed, some records could have been completed successfully.
SystemModstamp	<i>String</i>	The date and time in the UTC time zone that processing ended. This is only valid when the state is Completed.
TotalProcessingTime	<i>String</i>	The number of milliseconds taken to process the batch. This excludes the time the batch waited in the queue to be processed. See also <code>ApexProcessingTime</code> and <code>ApiActiveProcessingTime</code> . This field is available in API version 19.0 and later.

CreateJob

Add a Salesforce object entry.

Input

Name	Type	Description
ObjectName	<i>String</i>	Name of the object to be used for the job (i.e., Account, Campaign, Event, etc.)
Action	<i>String</i>	Type of action to use in the job. For example, insert, update, upsert, delete or query.
ConcurrencyMode	<i>String</i>	<p>The concurrency mode for the job. The valid values are Parallel or Serial. Parallel: Process batches in parallel mode. This is the default value. Serial: Process batches in serial mode. Processing in parallel can cause database contention. When this is severe, the job may fail. If you experience this issue, submit the job with serial concurrency mode. This guarantees that batches are processed one at a time. Note that using this option may significantly increase the processing time for a job.</p> <p>The allowed values are <i>Parallel</i>, <i>Serial</i>.</p> <p>The default value is <i>Parallel</i>.</p>
ContentType	<i>String</i>	<p>The content type for the job. The valid values are: CSV, XML, ZIP_CSV, and ZIP_XML.</p> <p>The default value is <i>XML</i>.</p>
ExternalIdColumn	<i>String</i>	Specifies the external Id column to use if performing an upsert.
ChunkSize	<i>String</i>	Salesforce recommends that you enable chunking when querying tables with more than 10 million records or when a bulk query consistently times out. If chunksize is specified the query is split into multiple batches. Use this paramter only if action value is query.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the job created.
JobID	<i>String</i>	The Id of the job.
ObjectName	<i>String</i>	The name of the object to be used with the job.
Operation	<i>String</i>	The operation for the job. For example, delete, insert, query, upsert, update, or hardDelete.
ApiVersion	<i>String</i>	The API version of the job set in the URI when the job was created. The earliest supported version is 17.0.
ApexProcessingTime	<i>String</i>	The number of milliseconds taken to process triggers and other processes related to the job data. This is the sum of the equivalent times in all batches in the job. This does not include the time used for processing asynchronous and batch Apex operations. If there are no triggers, the value is 0. This field is available in API version 19.0 and later.
ApiActiveProcessingTime	<i>String</i>	The number of milliseconds taken to actively process the job. This value includes ApexProcessingTime but not the time the job waited in the queue to be processed or the time required for serialization and deserialization. This is the sum of the equivalent times in all batches in the job. This field is available in API version 19.0 and later.
AssignmentRuleId	<i>String</i>	The Id of a specific assignment rule to run for a case or a lead. The assignment rule can be active

		or inactive.
ConcurrencyMode	<i>String</i>	The concurrency mode for the job. The valid values are: parallel and serial.
ContentType	<i>String</i>	The content type for the job. The valid values are: CSV, XML, ZIP_CSV, and ZIP_XML.
CreatedById	<i>String</i>	Id of the user who created the job.
CreatedDate	<i>String</i>	Date the job was created.
ExternalIdFieldName	<i>String</i>	The name of the external Id field for an upsert.
NumberBatchesCompleted	<i>String</i>	The number of batches that have been completed for this job.
NumberBatchesQueued	<i>String</i>	The number of batches queued for this job.
NumberBatchesFailed	<i>String</i>	The number of batches that have failed for this job.
NumberBatchesInProgress	<i>String</i>	The number of batches that are in progress for this job.
NumberBatchesTotal	<i>String</i>	The number of total batches currently in the job. This value increases as more batches are added to the job. When the jobstate is Closed or Failed, this number represents the final total. The job is complete when NumberBatchesTotal equals the sum of NumberBatchesCompleted and NumberBatchesFailed.
NumberRecordsFailed	<i>String</i>	The number of records that were not processed successfully in this job. This field is available in API version 19.0 and later.

NumberRecordsProcessed	<i>String</i>	The number of records already processed. This number increases as more batches are processed.
NumberRetries	<i>String</i>	The number of times that Salesforce attempted to save the results of an operation. The repeated attempts are due to a problem, such as a lock contention.
State	<i>String</i>	The state of the job. For example, Open, Closed, Aborted, or Failed.
SystemModStamp	<i>String</i>	Date and time in the UTC time zone when the job finished.
TotalProcessingTime	<i>String</i>	The number of milliseconds taken to process the job. This is the sum of the total processing times for all batches in the job. See also <code>ApexProcessingTime</code> and <code>ApiActiveProcessingTime</code> . This field is available in API version 19.0 and later.

CreateJobV2

Creates a job, which represents a bulk operation (and associated data) that is sent to Salesforce for asynchronous processing. Provide job data via an Upload Job Data request, or as part of a multipart create job request.

Input

Name	Type	Description
ObjectName	<i>String</i>	Name of the object to be used for the job (i.e., Account, Campaign, Event, etc.)
Action	<i>String</i>	Type of action to use in the job. Valid values are 'insert', 'delete', 'update' or 'upsert'.

ExternalIdColumn	<i>String</i>	The external ID field in the object being updated. Only needed for upsert operations. Field values must also exist in CSV job data.
ColumnDelimiter	<i>String</i>	The column delimiter used for CSV job data. The default value is COMMA. Valid values are 'BACKQUOTE', 'CARET', 'COMMA', 'PIPE', 'SEMICOLON', 'TAB'.
LineEnding	<i>String</i>	The line ending used for CSV job data, marking the end of a data row. The default is LF. Valid values are 'LF' and 'CRLF'.
MultiPartRequest	<i>Boolean</i>	Enable this feature only when the total size of the CSV data does not exceed 20,000 characters. You must also specify the path of your CSV file.
CSVFilePath	<i>String</i>	Specifies the path of your CSV File.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the job created.
State	<i>String</i>	The state of the job. For example, 'Open', 'Closed', 'Aborted', or 'Failed'.
JobType	<i>String</i>	The type of the job. Values include: 'BigObjectIngest', 'Classic', 'V2Ingest'.
ContentUrl	<i>String</i>	The URL to use for 'Upload Job Data' requests for this job. Only valid if the job is in Open state.
ContentType	<i>String</i>	The format of the data being processed. Only CSV is

		supported.
CreatedDate	<i>String</i>	The date and time in the UTC time zone when the job was created.
CreatedById	<i>String</i>	The ID of the user who created the job.
ConcurrencyMode	<i>String</i>	The concurrency mode for the job. The valid values are: parallel and serial.
SystemModStamp	<i>String</i>	Date and time in the UTC time zone when the job finished.

CreateReportSchema

Creates a schema file based on the specified report.

Input

Name	Type	Accepts Output Streams	Description
ReportName	<i>String</i>	<i>False</i>	The name for the new table.
ReportId	<i>String</i>	<i>False</i>	The Id for the report in Salesforce.
Description	<i>String</i>	<i>False</i>	An optional description for the table.
WriteToFile	<i>String</i>	<i>False</i>	Whether to write the contents of the generated schema to a file or not. The input defaults to true. Set it to false to write to FileStream or FileData.

FileStream	<i>String</i>	<i>True</i>	An instance of an output stream where file data is written to. Only used if WriteToFile=false.
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Result Set Columns

Name	Type	Description
Success	<i>String</i>	Whether or not the schema was created successfully.
FileData	<i>String</i>	The generated schema encoded in Base64. Only returned if WriteToFile=false and FileStream is not provided.
SchemaFile	<i>String</i>	The generated schema file.

CreateSchema

Creates a schema file for the specified table.

Input

Name	Type	Accepts Output Streams	Description
TableName	<i>String</i>	<i>False</i>	The name of the table for which to create a schema.
SOQL	<i>String</i>	<i>False</i>	[DEPRECATED] The SOQL query to issue to Salesforce. This input is deprecated and will be removed in the next version.

TableDescription	<i>String</i>	<i>False</i>	An optional description of the table.
WriteToFile	<i>String</i>	<i>False</i>	Whether to write the contents of the generated schema to a file or not. The input defaults to true. Set it to false to write to FileStream or FileData.
FileName	<i>String</i>	<i>False</i>	The filename of the schema to generate. Ex: 'Accounts.rsd'
FileStream	<i>String</i>	<i>True</i>	An instance of an output stream where file data is written to. Only used if WriteToFile=false.

Result Set Columns

Name	Type	Description
Result	<i>String</i>	Returns Success or Failure.
FileData	<i>String</i>	The generated schema encoded in Base64. Only returned if WriteToFile=false and FileStream is not provided.
SchemaFile	<i>String</i>	The generated schema file.

DeleteJobV2

Deletes a job. To be deleted, a job must have a state of UploadComplete, JobComplete, Aborted, or Failed.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job being deleted.

Result Set Columns

Name	Type	Description
Deleted	<i>String</i>	Whether the Job was successfully deleted or not.

DownloadAttachment

Downloads the attachment or attachments associated with a specific entity in Salesforce.

Input

Name	Type	Description
ObjectId	<i>String</i>	The Id of the object to download attachments for.
Id	<i>String</i>	The Id of the attachment to download. If neither Name nor Id are specified, all attachments will be downloaded.
Name	<i>String</i>	The name of the attachment to download. If neither Name nor Id are specified, all attachments will be downloaded.
LocalPath	<i>String</i>	The local path to save the files to. If no path is specified, the file is kept in memory in the FileData output.
LightningMode	<i>String</i>	Defaults to false. If set to 'True' the file will be downloaded

from the list of 'Salesforce Files'. If you used UploadAttachment with 'LightningMode' to true, you should also set it to true when using this stored procedure, to download the uploaded file. Also downloading the attachment by name is not supported when this is set to true. You should either specify the Id of the file, or download all the attachment of the specified ObjectId.

Encoding	<i>String</i>	<p>The encoding of the data that will be output to FileData.</p> <p>The allowed values are <i>NONE</i>, <i>BASE64</i>.</p> <p>The default value is <i>BASE64</i>.</p>
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Result Set Columns

Name	Type	Description
FileName	<i>String</i>	The name of the downloaded file.
FullPath	<i>String</i>	The full path (including name) of the downloaded file.
FileData	<i>String</i>	The file data output, if the LocalPath input is empty.

DownloadContentDocument

Downloads the content document or documents in Salesforce.

Input

Name	Type	Description
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Id	<i>String</i>	The Id of the content document to download. If Title or Id are not specified, all content documents will be downloaded.
Title	<i>String</i>	The title of the content document to download. If Title or Id are not specified, all content documents will be downloaded.
LocalPath	<i>String</i>	The local path to save the files to. If no path is specified, the file is kept in memory in the FileData output.
Encoding	<i>String</i>	The encoding of the data that will be output to FileData. The allowed values are <i>NONE</i> , <i>BASE64</i> . The default value is <i>BASE64</i> .

Result Set Columns

Name	Type	Description
FileName	<i>String</i>	The name of the downloaded file.
FullPath	<i>String</i>	The full path (including name) of the downloaded file.
FileData	<i>String</i>	The file data output, if the LocalPath input is empty.

DownloadDocument

Downloads the document or documents in Salesforce.

Input

Name	Type	Description
Id	<i>String</i>	The Id of the document to download. If Name, Id or Folderid are not specified, all documents will be downloaded.
Name	<i>String</i>	The name of the document to download. If Name, Id or Folderid are not specified, all documents will be downloaded.
Folderid	<i>String</i>	The folder id of the documents to download. If Name, Id or Folderid are not specified, all documents will be downloaded.
LocalPath	<i>String</i>	The local path to save the files to. If no path is specified, the file is kept in memory in the FileData output.
Encoding	<i>String</i>	The encoding of the data that will be output to FileData. The allowed values are <i>NONE</i> , <i>BASE64</i> . The default value is <i>BASE64</i> .

Result Set Columns

Name	Type	Description
FileName	<i>String</i>	The name of the downloaded file.
FullPath	<i>String</i>	The full path (including name) of the downloaded file.
FileData	<i>String</i>	The file data output, if the LocalPath input is empty.

GetBatch

Gets information about a Salesforce batch.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job the batch is associated with.
BatchId	<i>String</i>	Id of the batch being retrieved.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the batch.
JobID	<i>String</i>	The Id of the job.
ApexProcessingTime	<i>String</i>	The number of milliseconds taken to process triggers and other processes related to the batch data. If there are no triggers, the value is 0. This does not include the time used for processing asynchronous and batch Apex operations. See also <code>ApiActiveProcessingTime</code> and <code>TotalProcessingTime</code> . This field is available in API version 19.0 and later.
ApiActiveProcessingTime	<i>String</i>	The number of milliseconds taken to actively process the batch. This value includes <code>ApexProcessingTime</code> but not the time the batch waited in the queue to be processed or the time required for serialization and deserialization. See also <code>TotalProcessingTime</code> . This field is available in API version 19.0 and later.

CreatedDate	<i>String</i>	The date and time in the UTC time zone when the batch was created. This is not the time processing began, but the time the batch was added to the job.
NumberRecordsFailed	<i>String</i>	The unique, 18-character Id for the job associated with this batch.
NumberRecordsProcessed	<i>String</i>	The number of records processed in this batch at the time the request was sent. This number increases as more batches are processed.
State	<i>String</i>	The current state of processing for the batch. For instance, Queued, InProgress, Completed, Failed, or Not Processed.
StateMessage	<i>String</i>	Contains details about the state. For example, if the state value is Failed, this field contains the reasons for failure. If there are multiple failures, the message may be truncated. If so, fix the known errors and resubmit the batch. Even if the batch failed, some records could have been completed successfully.
SystemModstamp	<i>String</i>	The date and time in the UTC time zone that processing ended. This is only valid when the state is Completed.
TotalProcessingTime	<i>String</i>	The number of milliseconds taken to process the batch. This excludes the time the batch waited in the queue to be processed. See also <code>ApexProcessingTime</code> and <code>ApiActiveProcessingTime</code> . This field is available in API version 19.0 and later.

GetBatchResults

Gets the results of a Salesforce batch.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job the batch is associated with.
BatchId	<i>String</i>	Id of the batch being retrieved.
ContentType	<i>String</i>	The content type for the job. The valid values are: CSV, XML The default value is <i>XML</i> .

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the result.
Created	<i>String</i>	Boolean indicating whether or not the result was created.
Success	<i>String</i>	Boolean indicating whether or not the result was a success.
Errors_Fields	<i>String</i>	Fields that resulted in an error.
Errors_Message	<i>String</i>	Error message returned.
Errors_StatusCode	<i>String</i>	The status code for the error.

GetCustomReport

Get the custom report by report Id.

Input

Name	Type	Description
ReportId	<i>String</i>	The ID of the report.
ReportUrl	<i>String</i>	The base url of the report, like: https://na2.salesforce.com/
ReportFilter	<i>String</i>	Filter in the form of SQL condition (EX: WHERE CREATE_DATE>"2015-01-01"). Used to sort and get specific rows. Note, the name of the column being filtered must be the full column name (including the table name if applicable) and not its label. If you want to use labels for filtering or sorting the data, consider creating a report schema with the stored procedure CreateReportSchema and then querying from the created schema.

Result Set Columns

Name	Type	Description
*	<i>String</i>	Output the records in report.

GetDeleted

Retrieves the list of individual records that have been deleted within the given timespan for the specified object.

Input

Name	Type	Description
ObjectType	<i>String</i>	Object type. The specified value must be a valid object for your organization.
StartDate	<i>String</i>	Starting date/time (Coordinated Universal Time (UTC)-not local-timezone) of the timespan for which to retrieve the data. The API ignores the seconds portion of the specified dateTime value (for example, 12:30:15 is interpreted as 12:30:00 UTC).
EndDate	<i>String</i>	Ending date/time (Coordinated Universal Time (UTC)-not local-timezone) of the timespan for which to retrieve the data. The API ignores the seconds portion of the specified dateTime value (for example, 12:35:15 is interpreted as 12:35:00 UTC).

Result Set Columns

Name	Type	Description
Id	<i>String</i>	ID of the deleted records which satisfy the start and end dates specified in the getDeleted() call.
DeletedDate	<i>String</i>	Date of the deleted records which satisfy the start and end dates specified in the getDeleted() call.

GetJob

Gets information about a Salesforce job.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job being retrieved.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the job.
JobID	<i>String</i>	The Id of the job.
ObjectName	<i>String</i>	The name of the object to be used with the job.
Operation	<i>String</i>	The operation for the job. For example, delete, insert, query, upsert, update, or hardDelete.
ApiVersion	<i>String</i>	The API version of the job set in the URI when the job was created. The earliest supported version is 17.0.
ApexProcessingTime	<i>String</i>	The number of milliseconds taken to process triggers and other processes related to the job data. This is the sum of the equivalent times in all batches in the job. This does not include the time used for processing asynchronous and batch Apex operations. If there are no triggers, the value is 0. This field is available in API version 19.0 and later.
ApiActiveProcessingTime	<i>String</i>	The number of milliseconds taken to actively process the job. This value includes ApexProcessingTime but not the time the job

		waited in the queue to be processed or the time required for serialization and deserialization. This is the sum of the equivalent times in all batches in the job. This field is available in API version 19.0 and later.
AssignmentRuleId	String	The Id of a specific assignment rule to run for a case or a lead. The assignment rule can be active or inactive.
ConcurrencyMode	String	The concurrency mode for the job. The valid values are: parallel and serial.
ContentType	String	The content type for the job. The valid values are: CSV, XML, ZIP_CSV, and ZIP_XML.
CreatedById	String	Id of the user who created the job.
CreatedDate	String	Date the job was created.
ExternalIdFieldName	String	The name of the external Id field for an upsert.
NumberBatchesCompleted	String	The number of batches that have been completed for this job.
NumberBatchesQueued	String	The number of batches queued for this job.
NumberBatchesFailed	String	The number of batches that have failed for this job.
NumberBatchesInProgress	String	The number of batches that are in progress for this job.
NumberBatchesTotal	String	The number of total batches currently in the job. This value increases as more batches are added to the job. When the jobstate is Closed or Failed, this

		number represents the final total. The job is complete when NumberBatchesTotal equals the sum of NumberBatchesCompleted and NumberBatchesFailed.
NumberRecordsFailed	<i>String</i>	The number of records that were not processed successfully in this job. This field is available in API version 19.0 and later.
NumberRecordsProcessed	<i>String</i>	The number of records already processed. This number increases as more batches are processed.
NumberRetries	<i>String</i>	The number of times that Salesforce attempted to save the results of an operation. The repeated attempts are due to a problem, such as a lock contention.
State	<i>String</i>	The state of the job. For example, Open, Closed, Aborted, or Failed.
SystemModStamp	<i>String</i>	Date and time in the UTC time zone when the job finished.
TotalProcessingTime	<i>String</i>	The number of milliseconds taken to process the job. This is the sum of the total processing times for all batches in the job. See also ApexProcessingTime and ApiActiveProcessingTime. This field is available in API version 19.0 and later.

GetJobBatchIds

Get batch id for all batches in a Job.

Input

Name	Type	Description
JobId	<i>String</i>	Id of the job.

Result Set Columns

Name	Type	Description
ID	<i>String</i>	The Id of the batch.
State	<i>String</i>	The state of the batch.

GetLimitInfo

Retrieves limit information for the organization. Use this stored procedure to monitor your SOAP API limits as you make calls against the organization.

Result Set Columns

Name	Type	Description
Current	<i>Integer</i>	The number of calls for the specified limit type that have already been used in the organization.
Limit	<i>Integer</i>	The organization's limit for the specified limit type.
Type	<i>String</i>	The type of limit information specified in the header. API REQUESTS-the daily API usage for the organization against which the call was made.

GetOAuthAccessToken

If using a Windows application, set Authmode to App. If using a Web app, set Authmode to Web and specify the Verifier obtained by GetOAuthAuthorizationUrl.

Input

Name	Type	Description
Authmode	<i>String</i>	<p>The type of authentication mode to use. Select App for getting authentication tokens via a desktop app. Select Web for getting authentication tokens via a Web app.</p> <p>The allowed values are <i>APP</i>, <i>WEB</i>.</p> <p>The default value is <i>APP</i>.</p>
Verifier	<i>String</i>	The verifier token returned by Salesforce after using the URL obtained with GetOAuthAuthorizationUrl.
Scope	<i>String</i>	<p>A space-separated scope of permissions you need the app to have access to. The available values are api, chatter_api, full, id, refresh_token, visualforce, and web. For details, refer to: http://help.salesforce.com/help/doc/en/remoteaccess_oauth_scopes.htm.</p>
CallbackUrl	<i>String</i>	The page to return the Salesforce app after authentication has been completed.
Api_Version	<i>String</i>	<p>The API version you would like to authenticate to.</p> <p>The default value is <i>50.0</i>.</p>
State	<i>String</i>	Any value that you wish to be sent with the callback.
GrantType	<i>String</i>	<p>Authorization grant type. Only available for OAuth 2.0. If left unspecified, the default value is the value of the OAuthGrantType connection property.</p> <p>The allowed values are <i>CODE</i>, <i>PASSWORD</i>.</p>

Result Set Columns

Name	Type	Description
Scope	<i>String</i>	The scope of permissions for the app.
Instance_Url	<i>String</i>	The instance URL being used by the app.
Id	<i>String</i>	The Id associated with the OAuth token.
Issued_At	<i>String</i>	When the token was issued at.
Signature	<i>String</i>	A signature for the OAuth token.
OAuthServerUrl	<i>String</i>	The OAuth server URL.
OAuthRefreshToken	<i>String</i>	A token that may be used to obtain a new access token.
OAuthAccessToken	<i>String</i>	The OAuth access token.
ExpiresIn	<i>String</i>	The remaining lifetime on the access token. A -1 denotes that it will not expire.

GetOAuthAuthorizationUrl

Gets the authorization URL that must be opened separately by the user to grant access to your application. Only needed when developing Web apps.

Input

Name	Type	Description
CallbackUrl	<i>String</i>	The page to return the user after authorization is complete.
Scope	<i>String</i>	A space-separated scope of permissions you need the app to have access to. The available values are <code>api</code> , <code>chatter_api</code> , <code>full</code> , <code>id</code> , <code>refresh_token</code> , <code>visualforce</code> , <code>web</code> . For more details, refer to: http://help.salesforce.com/help/doc/en/remoteaccess_oauth_scopes.htm .
Grant_Type	<i>String</i>	The type of authorization to be granted for your app. If this is set to <code>code</code> , the stored procedure will return an authorization URL containing the verifier code in a query string parameter, which you will need to submit back with the <code>GetOAuthAccessToken</code> stored procedure. Implicit will cause the OAuth access token to be returned directly in the URL. The allowed values are <i>Implicit</i> , <i>Code</i> .
State	<i>String</i>	Any value that you wish to be sent with the callback.

Result Set Columns

Name	Type	Description
Url	<i>String</i>	The authorization url.

GetUpdated

Retrieves the list of individual records that have been updated within the given timespan for the specified object.

Input

Name	Type	Description
ObjectType	<i>String</i>	Object type. The specified value must be a valid object for your organization.
StartDate	<i>String</i>	Starting date/time (Coordinated Universal Time (UTC)-not local-timezone) of the timespan for which to retrieve the data. The API ignores the seconds portion of the specified dateTime value (for example, 12:30:15 is interpreted as 12:30:00 UTC).
EndDate	<i>String</i>	Ending date/time (Coordinated Universal Time (UTC)-not local-timezone) of the timespan for which to retrieve the data. The API ignores the seconds portion of the specified dateTime value (for example, 12:35:15 is interpreted as 12:35:00 UTC).

Result Set Columns

Name	Type	Description
Id	<i>String</i>	ID of the updated records which satisfy the start and end dates specified in the getUpdated() call.

GetUserInfo

Retrieves personal information for the user associated with the current session.

Result Set Columns

Name	Type	Description
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AccessibilityMode	<i>String</i>	Available in API version 7.0 and later. Indicates whether user interface modifications for the visually impaired are on (true) or off (false). The modifications facilitate the use of screen readers, such as JAWS.
CurrencySymbol	<i>String</i>	Currency symbol to use for displaying currency values. Applicable only when OrganizationMultiCurrency is false.
OrganizationId	<i>String</i>	Id of the organization. Allows third-party tools to uniquely identify individual organizations in Salesforce, which is useful for retrieving billing or organization-wide setup information.
OrganizationMultiCurrency	<i>String</i>	Indicates whether the user's organization uses multiple currencies (true) or not (false).
OrganizationName	<i>String</i>	Name of the user's organization or company.
OrgDefaultCurrencyIsoCode	<i>String</i>	Default currency ISO code. Applicable only when OrganizationMultiCurrency is false. When the logged-in user creates any objects that have a currency ISO code, the API uses this currency ISO code if it is not explicitly specified in the create() call.
ProfileID	<i>String</i>	Id of the profile associated with the role currently assigned to the user.
RoleID	<i>String</i>	Role Id of the role currently assigned to the user.
Sandbox	<i>String</i>	Whether the current organization is a sandbox. Either 'true' or 'false' for Basic authorization, and NULL otherwise.
ServerURL	<i>String</i>	The server URL of the Salesforce instance.

SessionID	<i>String</i>	The currently active session used by the API connection.
SessionSecondsValid	<i>String</i>	Number of seconds remaining until the user's session expires.
UserDefaultCurrencyIsoCode	<i>String</i>	Default currency ISO code. Applicable only when OrganizationMultiCurrency is true. When the logged-in user creates any objects that have a currency ISO code, the API uses this currency ISO code if it is not explicitly specified in the create() call.
UserEmail	<i>String</i>	The user's email address.
UserFullName	<i>String</i>	The user's full name.
UserID	<i>String</i>	The user's Id.
UserLanguage	<i>String</i>	User's language, which controls the language for labels displayed in an application. String is 2-5 characters long. The first two characters are always an ISO language code. For example, fr or en. If the value is further qualified by country, then the string also has an underscore (_) and another ISO country code, for example US or UK. For example, the string for the United States is en_US, and the string for French Canadian is fr_CA.
UserLocale	<i>String</i>	User's locale, which controls the formatting of dates and choice of symbols for currency. The first two characters are always an ISO language code; for example, fr or en. If the value is further qualified by country, then the string also has an underscore (_) and another ISO country code; for example, US or UK. For example, the string

		for the United States is en_US, and the string for French Canadian is fr_CA.
UserName	<i>String</i>	User's login name.
UserTimeZone	<i>String</i>	User's time zone.
UserType	<i>String</i>	Type of user license assigned to the Profile associated with the user.
UserUISkin	<i>String</i>	Available in API version 7.0 and later. Returns the value Theme2 if the user is using the newer user interface theme of the online application, labeled Salesforce. Returns Theme1 if the user is using the older user interface theme, labeled Salesforce Classic. In the online application, this look and feel setting is configurable from Setup by clicking Customize User Interface.

Merge

Combines up to 3 records of the same type into 1 record.

Input

Name	Type	Description
ObjectType	<i>String</i>	Object type. The specified value must be a valid object for your organization.
MasterRecordId	<i>String</i>	Must provide the ID of the object that other records will be merged into.
RecordToMergeIds	<i>String</i>	Minimum of one, maximum of two. The other record or records to be merged into the master record.

Result Set Columns

Name	Type	Description
Id	<i>String</i>	ID of the master record, the record into which the other records were merged.
Success	<i>String</i>	Indicates whether the merge was successful (true) or not (false).
Errors_statusCode	<i>String</i>	If an error occurred during the merge() call, an array of one or more Error objects providing the error code and description.
Errors_message	<i>String</i>	If an error occurred during the merge() call, an array of one or more Error objects providing the error code and description.
MergedRecordIds	<i>String</i>	ID of the records that were merged into the master record. If successful, the values match mergeRequest.recordToMergeIds.
UpdatedRelatedIds	<i>String</i>	ID of all related records that were moved (reparented) as a result of the merge, and that are viewable by the user sending the merge call.

MetadataDeploy

Deploys file representations of components into an org by creating, updating or deleting the components they represent. To be used after executing MetadataRetrieve Stored Procedure.

Input

Name	Type	Description
FullPath	<i>String</i>	The full path to the zip file to upload/deploy. For instance: C:/Users/admin/Documents/deployment.zip.
AllowMissingFiles	<i>String</i>	Defaults to false. Specifies whether a deployment can still succeed if files that are specified in package.xml are not in the .zip file.
AutoUpdatePackage	<i>String</i>	Defaults to false. If a file is in the .zip file but not specified in package.xml, specifies whether the file is automatically added to the package. A MetadataRetrieve () is issued with the updated package.xml that includes the .zip file.
IgnoreWarnings	<i>String</i>	Defaults to false. Indicates whether deployments with warnings complete successfully or not. NOTE: Do not set this argument to true for deployments to production organizations.
RollbackOnError	<i>String</i>	Defaults to false. Indicates whether any failure causes a complete rollback or not.
RunAllTests	<i>String</i>	Defaults to false. Set to true to run all Apex tests after deployment, including tests that originate from installed managed packages.
RunTests	<i>String</i>	A list of Apex tests to run during deployment. Specify the class name, one name per instance. The class name can also specify a namespace with a dot notation. NOTE: To use this option, set testLevel to RunSpecifiedTests.
SinglePackage	<i>String</i>	Defaults to false. Indicates whether the specified .zip file points to a directory structure with a single package (true) or a set of packages.
TestLevel	<i>String</i>	Specifies which tests are run as part of a deployment. The test level is enforced regardless of the types of components that are present in the deployment package. Available values are 'NoTestRun',

'RunSpecifiedTests', 'RunLocalTests' and 'RunAllTestsInOrg'.

Result Set Columns

Name	Type	Description
JobId	<i>String</i>	The JobId for Deploy operation.
Success	<i>String</i>	Whether the deploy was successful or not.
Status	<i>String</i>	The Status of the deployment.
IgnoreWarnings	<i>String</i>	Specifies whether a deployment should continue even if the deployment generates warnings.
NumberComponentErrors	<i>String</i>	The number of components that generated errors during this deployment.
NumberComponentsDeployed	<i>String</i>	The number of components deployed in the deployment process.
NumberComponentsTotal	<i>String</i>	The total number of components in the deployment.
NumberTestErrors	<i>String</i>	The number of Apex tests that have generated errors during this deployment.
NumberTestsCompleted	<i>String</i>	The number of completed Apex tests for this deployment.
NumberTestsTotal	<i>String</i>	The total number of Apex tests for this deployment.

MetadataDeployDetails

Used to retrieve additional details about MetadataDeploy job. Can be used after executing MetadataDeploy Stored Procedure.

Input

Name	Type	Description
JobId	<i>String</i>	The JobId for Deploy operation.

Result Set Columns

Name	Type	Description
ComponentFailures_changed	<i>String</i>	If true, the component was changed as a result of this deployment. If false, the deployed component was the same as the corresponding component already in the organization.
ComponentFailures_componentType	<i>String</i>	The metadata type of the component in this deployment.
ComponentFailures_created	<i>String</i>	If true, the component was created as a result of this deployment. If false, the component was either deleted or modified as a result of the deployment.
ComponentFailures_createdDate	<i>String</i>	The date and time when the component was created as a result of

		this deployment.
ComponentFailures_deleted	<i>String</i>	If true, the component was deleted as a result of this deployment. If false, the component was either new or modified as result of the deployment.
ComponentFailures_fileName	<i>String</i>	The name of the file in the .zip file used to deploy this component.
ComponentFailures_fullName	<i>String</i>	The full name of the component.
ComponentFailures_problem	<i>String</i>	Description of the problem that caused the compile to fail.
ComponentFailures_problemType	<i>String</i>	Indicates the problem type. Valid values are 'Warning' and 'Error'.
ComponentFailures_success	<i>String</i>	Indicates whether the component was successfully deployed (true) or not (false).
ComponentSuccesses_changed	<i>String</i>	If true, the component was changed as a result of this deployment. If false, the deployed component was the same as the corresponding component already in the organization.
ComponentSuccesses_componentType	<i>String</i>	The metadata type of the component in this deployment.
ComponentSuccesses_created	<i>String</i>	If true, the component was created as a result of this deployment. If false, the component was either deleted or modified as a result of the deployment.
ComponentSuccesses_createdDate	<i>String</i>	The date and time when the

		component was created as a result of this deployment.
ComponentSuccesses_deleted	<i>String</i>	If true, the component was deleted as a result of this deployment. If false, the component was either new or modified as result of the deployment.
ComponentSuccesses_fileName	<i>String</i>	The name of the file in the .zip file used to deploy this component.
ComponentSuccesses_fullName	<i>String</i>	The full name of the component.
ComponentSuccesses_id	<i>String</i>	ID of the component being deployed.
ComponentSuccesses_success	<i>String</i>	Indicates whether the component was successfully deployed (true) or not (false).
NumTestsRun	<i>String</i>	The number of unit tests that were run.
NumFailures	<i>String</i>	The number of failures for the unit tests.
TotalTime	<i>String</i>	The total cumulative time spent running tests, in milliseconds.

MetadataRetrieve

Retrieve file representations of components in an organization.

Input

Name	Type	Description
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PackageNames	<i>String</i>	A list of package names to be retrieved. If you are retrieving only unpackaged components, do not specify a name here. You can retrieve packaged and unpackaged components in the same retrieve.
SinglePackage	<i>String</i>	Defaults to false. Specifies whether only a single package is being retrieved or not. If false, then more than one package is being retrieved.
SpecificFiles	<i>String</i>	A list of file names to be retrieved. If a value is specified for this property, packageNames must be set to null and singlePackage must be set to true.
ManifestLocation	<i>String</i>	Specifies which metadata components to retrieve as part of a Retrieve call. It should point to a .xml file. Sample package.xml files can be found here: https://developer.salesforce.com/docs/atlas.en-us.api_meta.meta/api_meta/manifest_samples.htm . If not specified, it defaults to retrieve all custom objects.
DownloadLocation	<i>String</i>	The local path to save the zip file to. If not specified, the current execution path is used.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Whether the retrieve was successful or not.
FullPath	<i>String</i>	The full path (including name) of the downloaded file.

QueryBatch

Get data from Salesforce using query batch. Only batches created with content type CSV can be queried with this stored procedure.

Input

Name	Type	Description
Query	<i>String</i>	Bulk API query does not support the following SOQL: COUNT, ROLLUP, SUM, GROUP BY CUBE, OFFSET, Nested SOQL queries, Relationship fields. Also, Bulk API cannot access or query compound address or compound geolocation fields. Query parameter is required if job id and batch id are not specified. Columns name should be used instead of wildcard (*) because it is not supported.
JobId	<i>String</i>	The id of the job. If this parameter is specified, batch id should be specified too.
BatchId	<i>String</i>	The id of the batch. If this parameter is specified, job id should be specified too.
ChunkSize	<i>String</i>	Salesforce recommends that you enable chunking when querying tables with more than 10 million records or when a bulk query consistently times out. If chunksize is specified the query, result will be splited into multiple batches. Set the value equal to 0 to disable splitting the result into chunks. The maximum size of the chunk cannot be more than 250000 The default value is 30000.
ConcurrencyMode	<i>String</i>	The concurrency mode for the job. The valid values are Parallel or Serial. Parallel: Process batches in parallel mode which is the default value. Serial: Process batches in serial mode. Processing in parallel can cause database contention. When this is severe, the job may fail. If you experience this issue, submit the job with serial concurrency mode. This guarantees that batches are processed one at a time. Note that using this option may

		<p>significantly increase the processing time for a job.</p> <p>The allowed values are <i>Parallel</i>, <i>Serial</i>.</p> <p>The default value is <i>Parallel</i>.</p>
SkipErrors	String	<p>This boolean parameter indicates if the provider should skip failed batches and get results for completed batches.</p> <p>The allowed values are <i>true</i>, <i>false</i>.</p> <p>The default value is <i>false</i>.</p>
Rows@Next	String	<p>This is used to page through multiple pages of results and should not be set manually.</p>

Result Set Columns

Name	Type	Description
Id	String	The Id of the batch.

RefreshOAuthAccessToken

Refreshes the OAuth token or session id after the session has expired. Your OAuth application must have the refresh_token scope enabled.

Input

Name	Type	Description
OAuthRefreshToken	String	The refresh token returned when the OAuth Token was first created.

Result Set Columns

Name	Type	Description
Instance_Url	<i>String</i>	Instance of Salesforce the OAuth token is valid for.
OAuthAccessToken	<i>String</i>	The OAuth token.
Id	<i>String</i>	Id associated with the OAuth Token.
Issued_At	<i>String</i>	When the OAuth Token was issued.
Signature	<i>String</i>	Signature of the OAuth Token.
ExpiresIn	<i>String</i>	The remaining lifetime on the access token. A -1 denotes that it will not expire.

Undelete

Restores from Salesforce's RecycleBin a deleted record.

Procedure-Specific Information

To restore an object from Salesforce's recycle bin you need to use one of the following examples:

1. By specifying the Id of the deleted record.

```
Execute Undelete Id='1'
```

2. By specifying a list of deleted record Ids.

```
Insert into Account#temp (ID) VALUES (1)
Insert into Account#temp (ID) VALUES (2)
Insert into Account#temp (ID) VALUES (3)
Execute Undelete Id='Account#temp'
```

3. By specifying a list of Ids that are XML formatted.

```
Execute Undelete XML = '<undelete
xmlns="urn:enterprise.soap.sforce.com"> <ids>1</ids> <ids>2</ids>
<ids>3</ids> </undelete>'
```

Input

Name	Type	Description
ID	<i>String</i>	The Id of the object that has been deleted. This or XML input are required.
XML	<i>String</i>	List of ids formatted in XML. This or ID input are required.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns true if the object is restored successfully.
ID	<i>String</i>	The Id of the restored object/s, if the operation is successful.

UploadAttachment

Uploads an attachment and associates it with an entity in Salesforce.

Uploading single files or single folders

To upload a single attachment, specify the *FullPath*:

```
EXEC UploadAttachment ObjectId='0018Z00002nz4TkMAR', FullPath='C:\\csv
samples\\mycsvfile.csv'
```

To upload all attachments in a single folder, use *FolderPath*:

```
EXEC UploadAttachment ObjectId='0018Z00002nz4TkMAR', FolderPath='C:\\csv
samples'
```

For Base64 data, you need to specify the *Base64Data*, *Title*, and *FileExtension*:

```
EXEC UploadAttachment ObjectId='0018Z00002nz4TkMAR',
Base64Data='byBib2Jl', Title='t', FileExtension='txt'
```

Uploading multi-valued inputs

There are various ways to upload multiple files or folders. One way is to use a temporary table, #TEMP:

1. First insert values into temporary tables. For example:

```
INSERT INTO Attachment#TEMP (ObjectId, FolderPath) VALUES (
'0018Z00002nz4TkMAR', 'C:\\TestImages' )")
INSERT INTO Attachment#TEMP (ObjectId, FolderPath) VALUES
('0018Z00002nz4TkMAR', 'C:\\csv samples' )")
```

This inserts the values into a table in memory.

2. Then reference that same table when executing the stored procedure:

```
EXEC UploadAttachment AttachmentTempTable = 'Attachment#TEMP'
```

This approach has the advantage of avoiding arbitrary parameters as inputs to the stored procedure.

Alternatively, you can specify multiple FullPaths using a #TEMP table or use multiple

Base64 data entries.

Input

Name	Type	Description
ObjectId#	<i>String</i>	Required. The Id of the object to associate the uploaded document with.
FullPath#	<i>String</i>	The full path to the document to upload. If Base64Data is not specified, this input is required. Either specify this or FullPath/FolderPath for a single object and not both.
Base64Data#	<i>String</i>	A string of data that will be used as the full contents of the file. This must be base-64 encoded. Required if FullPath is not specified.
FileName#	<i>String</i>	The name you would like to give the attachment. If none is specified, the file name specified in the FullPath will be used. Required if Base64Data is specified.
FolderPath#	<i>String</i>	Used to batch upload every file inside a specified folder. Either specify this or FullPath for a single object and not both.
LightningMode	<i>String</i>	Defaults to false. If set to 'True' the file will be uploaded as 'Salesforce Files'. The 'FullPath' must be specified if this is set to true.
AttachmentTempTable	<i>String</i>	Used to batch upload multiple Attachment objects. Set this to a temporary table, whose rows contain upload inputs like in the example below.

Result Set Columns

Name	Type	Description
Id	String	The Id of the uploaded attachment.

UploadContentDocument

Uploads a content document in Salesforce.

Uploading single files or single folders

To upload a single ContentDocument, specify the *FullPath*:

```
EXEC UploadContentDocument FullPath='C:\\csv samples\\mycsvfile.csv'
```

To upload all Content Documents in a single folder, use *FolderPath*:

```
EXEC UploadContentDocument FolderPath='C:\\csv samples'
```

For Base64 data, you need to specify the *Base64Data*, *Title*, and *FileExtension*:

```
EXEC UploadContentDocument Base64Data='byBib2Jl', Title='t',  
FileExtension='txt'
```

Uploading multi-valued inputs

There are various ways to upload multiple files or folders. One way is to use a temporary table, #TEMP: First insert values into temporary tables. For example:

```
INSERT INTO ContentDocument#TEMP (FolderPath) VALUES ('C:\\TestImages')  
INSERT INTO ContentDocument#TEMP (FolderPath) VALUES ('C:\\csv samples')
```

This inserts the values into a table in memory.

Then reference that same table when executing the stored procedure:

```
EXEC UploadContentDocument ContentDocumentTempTable =  
'ContentDocument#TEMP'
```

This approach has the advantage of avoiding arbitrary parameters as inputs to the stored procedure. Alternatively, you can specify multiple FullPaths using a #TEMP table or use

multiple Base64 data entries.

Input

Name	Type	Description
FullPath#	<i>String</i>	The full path to the file to upload. If Base64Data is not specified, this input is required. Either specify this or FullPath/FolderPath for a single object and not both.
Base64Data#	<i>String</i>	A string of data that will be used as the full contents of the file. This must be base-64 encoded. Required if FullPath is not specified.
FileExtension#	<i>String</i>	Type of content. Required if Base64Data is specified.
Title#	<i>String</i>	The title you would like to give the content document. If none is specified, the file name specified in the FullPath will be used. Required if Base64Data is specified.
FolderPath#	<i>String</i>	Used to batch upload every file inside a specified folder. Either specify this or FullPath for a single object and not both.
Description#	<i>String</i>	Text description of the ContentDocument. Limit: 255 characters.
ContentDocumentTempTable	<i>String</i>	Used to batch upload multiple ContentDocument objects. Set this to a temporary table, whose rows contain upload inputs like in the example below.

Result Set Columns

Name	Type	Description
Id	<i>String</i>	The Id of the uploaded content version.
ContentDocumentId	<i>String</i>	The Id of the content document.

UploadDocument

Uploads a document in Salesforce.

Uploading single files or single folders

To upload a single document, specify the *FullPath*:

```
EXEC UploadDocument FolderId='0018Z000002nz4TkMAR', FullPath='C:\csv
samples\mycsvfile.csv'
```

To upload all documents in a single folder, use *FolderPath*:

```
EXEC UploadDocument FolderId='0018Z000002nz4TkMAR', FolderPath='C:\\csv
samples'
```

For Base64 data, you need to specify *Base64Data*, *Title*, and *FileExtension*:

```
EXEC UploadDocument FolderId='0018Z000002nz4TkMAR',
Base64Data='byBib2Jl', Title='t', FileExtension='txt'
```

Uploading multi-valued inputs

There are various ways to upload multiple files or folders. Using a temporary table, #TEMP:

1. First insert values into temporary tables. For example:

```
INSERT INTO Document#TEMP (FolderId, FolderPath) VALUES (
'0018Z00002nz4TkMAR', 'C:\\TestImages' )")
INSERT INTO Document#TEMP (FolderId, FolderPath) VALUES
('0018Z00002nz4TkMAR', 'C:\\csv samples' )")
```

This inserts the values into a table in memory.

2. Then reference that same table when executing the stored procedure:

```
EXEC UploadDocument DocumentTempTable = 'Document#TEMP'
```

This approach has the advantage of avoiding arbitrary parameters as inputs to the stored procedure.

Alternatively, you can specify multiple FullPaths using a #TEMP table or use multiple Base64 data entries.

Input

Name	Type	Description
FullPath#	<i>String</i>	The full path to the document to upload. If Base64Data is not specified, this input is required. Either specify this or FullPath/FolderPath for a single object and not both.
Base64Data#	<i>String</i>	A string of data that will be used as the full contents of the file. This must be base-64 encoded. Required if FullPath is not specified.
Name#	<i>String</i>	The name you would like to give the document. If none is specified, the file name specified in the FullPath will be used. Required if Base64Data is specified.
FolderId#	<i>String</i>	Required. Id of the Folder where the documents will be uploaded.
FolderPath#	<i>String</i>	Used to batch upload every file inside a specified folder. Either specify this or FullPath for a single object and not both.

Description#	<i>String</i>	Text description of the Document. Limit: 255 characters.
DocumentTempTable	<i>String</i>	Used to batch upload multiple Document objects. Set this to a temporary table, whose rows contain upload inputs like in the example below.

Result Set Columns

Name	Type	Description
Id	<i>String</i>	The Id of the uploaded attachment.

UploadJobDataV2

Upload the CSV file to Salesforce.

Input

Name	Type	Accepts Input Streams	Description
ContentUrl	<i>String</i>	<i>False</i>	The URL to use for 'Upload Job Data' requests for this job. Only valid if the job is in Open state.
CSVFilePath	<i>String</i>	<i>False</i>	Specifies the path of your CSV File.
Content	<i>String</i>	<i>True</i>	The CSV file content as an InputStream. Only used if CSVFilePath is empty.

Result Set Columns

Name	Type	Description
Uploaded	String	Indicates that the job data was successfully received by Salesforce.

Connection String Options

The connection string properties are the various options that can be used to establish a connection. This section provides a complete list of the options you can configure in the connection string for this provider. Click the links for further details.

For more information on establishing a connection, see [Basic Tab](#).

Authentication

Property	Description
AuthScheme	The type of authentication to use when connecting to Salesforce.
User	The Salesforce user account used to authenticate.
Password	The password used to authenticate the user.
SecurityToken	The security token used to authenticate access to the Salesforce account.
UseSandbox	A boolean determining if the connection should be made to a Salesforce sandbox account.
CredentialsLocation	The location of the settings file where token retrieved with OKTA MFA is saved.

Connection

Property	Description
APIVersion	The version of the Salesforce API used.
LoginURL	URL to the Salesforce server used for logging in.

SSO

Property	Description
SSOLoginURL	The identity provider's login URL.
SSOProperties	Additional properties required to connect to the identity provider in a semicolon-separated list.
SSOExchangeUrl	The url used for consuming the SAML response and exchanging it with Salesforce specific credentials.

BulkAPI

Property	Description
UseBulkAPI	Whether to use the synchronous SOAP API or the asynchronous Bulk API.
BulkAPIConcurrencyMode	The concurrency mode for processing bulk rows with BULK API v1.
BulkPageSize	The number of records to retrieve before returning results to the user when UseBulkAPI=true.
BulkPollingInterval	The time interval in milliseconds between requests that check the availability of the bulk query response. The default value is 500 ms.

BulkQueryTimeout	The timeout in minutes for which the provider will wait for a bulk query response. The default value is 25 minutes.
WaitForBulkResults	Whether to wait for bulk results when using the asynchronous API. Only active when UseBulkAPI is true.

ToolingAPI

Property	Description
UseToolingAPI	Whether to use the Salesforce Tooling API.

OAuth

Property	Description
InitiateOAuth	Set this property to initiate the process to obtain or refresh the OAuth access token when you connect.
OAuthClientId	The client Id assigned when you register your application with an OAuth authorization server.
OAuthClientSecret	The client secret assigned when you register your application with an OAuth authorization server.
OAuthAccessToken	The access token for connecting using OAuth.
OAuthSettingsLocation	The location of the settings file where OAuth values are saved when InitiateOAuth is set to GETANDREFRESH or REFRESH. Alternatively, this can be held in memory by specifying a value starting with memory://.
CallbackURL	The OAuth callback URL to return to when authenticating. This value must match the callback URL you specify in your app settings.

OAuthServerURL	The server URL to use if authenticating with OAuth.
OAuthGrantType	The grant type for the OAuth flow.
OAuthAuthorizationURL	The authorization URL for the OAuth service.
OAuthAccessTokenURL	The URL to retrieve the OAuth access token from.
OAuthVerifier	The verifier code returned from the OAuth authorization URL.
OAuthRefreshToken	The OAuth refresh token for the corresponding OAuth access token.
OAuthExpiresIn	The lifetime in seconds of the OAuth AccessToken.
OAuthTokenTimestamp	The Unix epoch timestamp in milliseconds when the current Access Token was created.

JWT OAuth

Property	Description
OAuthJWTCert	The JWT Certificate store.
OAuthJWTCertType	The type of key store containing the JWT Certificate.
OAuthJWTCertPassword	The password for the OAuth JWT certificate.
OAuthJWTCertSubject	The subject of the OAuth JWT certificate.
OAuthJWTIssuer	The issuer of the Java Web Token.
OAuthJWTSubject	The user subject for which the application is requesting delegated access.

SSL

Property	Description
SSLServerCert	The certificate to be accepted from the server when connecting using TLS/SSL.

Firewall

Property	Description
FirewallType	The protocol used by a proxy-based firewall.
FirewallServer	The name or IP address of a proxy-based firewall.
FirewallPort	The TCP port for a proxy-based firewall.
FirewallUser	The user name to use to authenticate with a proxy-based firewall.
FirewallPassword	A password used to authenticate to a proxy-based firewall.

Proxy

Property	Description
ProxyAutoDetect	This indicates whether to use the system proxy settings or not. This takes precedence over other proxy settings, so you'll need to set ProxyAutoDetect to FALSE in order use custom proxy settings.
ProxyServer	The hostname or IP address of a proxy to route HTTP traffic through.
ProxyPort	The TCP port the ProxyServer proxy is running on.
ProxyAuthScheme	The authentication type to use to authenticate to the ProxyServer proxy.

ProxyUser	A user name to be used to authenticate to the ProxyServer proxy.
ProxyPassword	A password to be used to authenticate to the ProxyServer proxy.
ProxySSLType	The SSL type to use when connecting to the ProxyServer proxy.
ProxyExceptions	A semicolon separated list of destination hostnames or IPs that are exempt from connecting through the ProxyServer .

Logging

Property	Description
LogModules	Core modules to be included in the log file.

Schema

Property	Description
Location	A path to the directory that contains the schema files defining tables, views, and stored procedures.

Miscellaneous

Property	Description
AllOrNone	A boolean indicating if you would like all inserts, updates, or deletes to fail in a request if even a single record fails.
ArchiveMode	Boolean indicating whether to include deleted and archived records with a standard SELECT query.

ContinueOnAlterException	Whether you want to continue after a ALTER statement has failed.
ExposeConceptualEntities	Boolean determining if the Salesforce record types / conceptual entities should be exposed as tables.
FilterScope	Optional scope to limit the records returned from queries.
IncludeMetadataDescription	Set this property to a value other than NONE if you want to retrieve the descriptions for columns, tables or both of them from the Metadata API.
MaxRows	Limits the number of rows returned rows when no aggregation or group by is used in the query. This helps avoid performance issues at design time.
Other	These hidden properties are used only in specific use cases.
QueryPassthrough	Whether to accept SOQL queries.
Readonly	You can use this property to enforce read-only access to Salesforce from the provider.
RemoveBOMCharacter	Specifies whether to remove the BOM character (char)0xfeff from the content.
ReplaceInvalidUTF8Chars	Specifies whether to replace invalid UTF8 characters with a '?'.
ServerSideAggregation	A boolean determining if server side aggregation should be used.
SessionTimeout	The time in minutes for which a Salesforce login session is reused.
SkipFormulaFields	Set to true if formula fields should be skipped when listing columns.
SortColumns	Set to true to sort table columns instead of reporting them in the Salesforce order.

Timeout	The value in seconds until the timeout error is thrown, canceling the operation.
UseDisplayNames	Boolean determining if the display names for the columns should be used instead of the API names.
UserDefinedViews	A filepath pointing to the JSON configuration file containing your custom views.

Authentication

This section provides a complete list of the Authentication properties you can configure in the connection string for this provider.

Property	Description
AuthScheme	The type of authentication to use when connecting to Salesforce.
User	The Salesforce user account used to authenticate.
Password	The password used to authenticate the user.
SecurityToken	The security token used to authenticate access to the Salesforce account.
UseSandbox	A boolean determining if the connection should be made to a Salesforce sandbox account.
CredentialsLocation	The location of the settings file where token retrieved with OKTA MFA is saved.

AuthScheme

The type of authentication to use when connecting to Salesforce.

Possible Values

Auto, Basic, OAuth, OAuthPassword, OAuthJWT, OneLogin, PingFederate, OKTA, ADFS, AzureAD

Data Type

string

Default Value

"Auto"

Remarks

- Auto: Lets the driver decide automatically based on the other connection properties you have set.
- Basic: Set this to use Basic user / password authentication.
- OAuth: Set this to perform OAuth with the code grant type.
- OAuthPassword: Set this to perform OAuth with the password grant type.
- OAuthJWT: Set this to perform OAuth authentication with a JWT certificate. Requires the following additional connection properties.
[
[OAuthJWTCert](#)
,/ [OAuthJWTCertType](#)
[/OAuthJWTCertPassword/OAuthJWTCertSubject/OAuthJWTIssuer/OAuthJWTSubject](#)]
- OneLogin: Set this to perform SSO authentication through OneLogin. All identity providers require the following common connection properties.
[\[SSOLoginURL/SSOExchangeUrl\]](#)
- PingFederate: Set this to perform SSO authentication through PingFederate. All identity providers require the following common connection properties.
[\[SSOLoginURL/SSOExchangeUrl\]](#)
- OKTA: Set this to perform SSO authentication through OKTA. All identity providers require the following common connection properties.
[\[SSOLoginURL/SSOExchangeUrl\]](#)

- ADFS: Set this to perform SSO authentication through ADFS. All identity providers require the following common connection properties.
[SSOLoginURL/SSOExchangeUrl]
- AzureAD: Set this to perform SSO authentication through AzureAD. Please see the connection property SSOProperties for more information.

User

The Salesforce user account used to authenticate.

Data Type

string

Default Value

""

Remarks

Together with [Password](#), this field is used to authenticate against the Salesforce with SSO server.

Password

The password used to authenticate the user.

Data Type

string

Default Value

""

Remarks

The [User](#) and [Password](#) are together used to authenticate with the server.

SecurityToken

The security token used to authenticate access to the Salesforce account.

Data Type

string

Default Value

""

Remarks

Together with [User](#) and [Password](#), this field can be used to authenticate against the Salesforce with SSO server. This is only required if your organization is setup to require it. A security token can be obtained by going to your profile information and resetting your security token. If your password is reset, you will also need to reset the security token.

UseSandbox

A boolean determining if the connection should be made to a Salesforce sandbox account.

Data Type

bool

Default Value

false

Remarks

To connect to a Salesforce sandbox account, set `UseSandbox = true` and append the sandbox name to the end of the user name. For example, if your user name is "user", and sandbox name in Salesforce is "sandbox", the specified `User` should appear as "user.sandbox".

CredentialsLocation

The location of the settings file where token retrieved with OKTA MFA is saved.

Data Type

string

Default Value

"%APPDATA%\\CData\\Salesforce Data Provider\\CredentialsFile.txt"

Remarks

Tokens retrieved with OKTA MFA are short lived and typically expire after two hours. At that point, the driver will issue request for a new MFAPasscode which should be reissued in a new connection.

If left unspecified, the default location is "%APPDATA%\\CData\\Salesforce Data Provider\\CredentialsFile.txt" with **%APPDATA%** being set to the user's configuration directory:

Platform	%APPDATA%
Windows	The value of the APPDATA environment variable
Mac	~/Library/Application Support
Linux	~/.config

Connection

This section provides a complete list of the Connection properties you can configure in the connection string for this provider.

Property	Description
APIVersion	The version of the Salesforce API used.
LoginURL	URL to the Salesforce server used for logging in.

APIVersion

The version of the Salesforce API used.

Data Type

string

Default Value

"56.0"

Remarks

The Salesforce with SSO API version used by default is 56.0.

LoginURL

URL to the Salesforce server used for logging in.

Data Type

string

Default Value

""

Remarks

URL to the Salesforce with SSO server used for logging in. Defaults to <https://login.salesforce.com/services/Soap/c/56.0>. This should only be changed if your organization uses a custom login endpoint.

SSO

This section provides a complete list of the SSO properties you can configure in the connection string for this provider.

Property	Description
SSOLoginURL	The identity provider's login URL.
SSOProperties	Additional properties required to connect to the identity provider in a semicolon-separated list.
SSOExchangeUrl	The url used for consuming the SAML response and exchanging it with Salesforce specific credentials.

SSOLoginURL

The identity provider's login URL.

Data Type

string

Default Value

""

Remarks

The identity provider's login URL.

SSOProperties

Additional properties required to connect to the identity provider in a semicolon-separated list.

Data Type

string

Default Value

""

Remarks

Additional properties required to connect to the identity provider in a semicolon-separated list. is used in conjunction with the [SSOLoginURL](#).

SSO configuration is discussed further in .

SSOExchangeUrl

The url used for consuming the SAML response and exchanging it with Salesforce specific credentials.

Data Type

string

Default Value

""

Remarks

The Salesforce with SSO Adapter will use the url specified here to consume a SAML response and retrieve Salesforce with SSO specific credentials. The retrieved credentials are the final piece during the SSO connection that are used to communicate with Salesforce with SSO.

BulkAPI

This section provides a complete list of the BulkAPI properties you can configure in the connection string for this provider.

Property	Description
UseBulkAPI	Whether to use the synchronous SOAP API or the asynchronous Bulk API.
BulkAPIConcurrencyMode	The concurrency mode for processing bulk rows with BULK API v1.
BulkPageSize	The number of records to retrieve before returning results to the user when UseBulkAPI=true.
BulkPollingInterval	The time interval in milliseconds between requests that check the availability of the bulk query response. The default value is 500 ms.
BulkQueryTimeout	The timeout in minutes for which the provider will wait for a bulk query response. The default value is 25 minutes.
WaitForBulkResults	Whether to wait for bulk results when using the asynchronous API. Only active when UseBulkAPI is true.

UseBulkAPI

Whether to use the synchronous SOAP API or the asynchronous Bulk API.

Data Type

bool

Default Value

false

Remarks

This property determines whether or not the asynchronous Bulk API is used for reads and writes to Salesforce with SSO. For reads, the driver will automatically create bulk query jobs and start returning results as they are available. Note that queries using a JOIN or aggregation are not supported in the Bulk API and therefore the driver will fall back to using the SOAP API for these queries. Jobs are closed automatically once they are complete or if there is a failure.

For writes back to Salesforce with SSO, up to 10000 records can be sent per batch. These requests will be processed asynchronously meaning the driver will not wait for Salesforce to process the results fully. You can query the following table to get information about the jobs and batches that were created:

```
SELECT * FROM "Info#TEMP"
```

The ID values returned from this can be used with [GetJob](#), [GetBatch](#), and [GetBatchResults](#) to check the status of the job and batches.

Note that when this property is set to false, the default, you can still modify multiple records simultaneously: The adapter will perform batch processing through the Web Services API, which will synchronously return the status of your operations. When you invoke the JDBC Batch API, the adapter will batch multiple requests together in a single request to Salesforce with SSO.

BulkAPIConcurrencyMode

The concurrency mode for processing bulk rows with BULK API v1.

Possible Values

Serial, Parallel

Data Type

string

Default Value

"Serial"

Remarks

The concurrency mode for processing bulk rows with BULK API v1.

BulkPageSize

The number of records to retrieve before returning results to the user when UseBulkAPI=true.

Data Type

int

Default Value

2000

Remarks

The BulkPageSize indicates the number of records that will be returned at a time when reading the data. In the background, the Salesforce with SSO Adapter will continue to read additional results from the data source. This connection property only has an impact when [UseBulkAPI](#) is set to true.

BulkPollingInterval

The time interval in milliseconds between requests that check the availability of the bulk query response. The default value is 500 ms.

Data Type

string

Default Value

"500"

Remarks

The time interval between requests that check the availability of the bulk query response. When [UseBulkAPI](#) is set, the adapter starts an asynchronous job in Salesforce when running a SELECT query. It then waits for the response to be ready by periodically polling the server to check status. This property controls the frequency of polling.

BulkQueryTimeout

The timeout in minutes for which the provider will wait for a bulk query response. The default value is 25 minutes.

Data Type

string

Default Value

"25"

Remarks

The timeout in minutes for which the adapter will wait for a bulk query response. The default value is 25 minutes. When [UseBulkAPI](#) is set, the adapter starts an asynchronous job in Salesforce when running a SELECT query. It then waits for the response to be ready by periodically polling the server to check status. This property controls the total time the adapter will wait for a response.

Note that this property is very different from [Timeout](#). The [Timeout](#) is an inactivity timeout that controls the time to wait for any response. This property controls the total length of time to wait for a bulk query to execute. ;

WaitForBulkResults

Whether to wait for bulk results when using the asynchronous API. Only active when UseBulkAPI is true.

Data Type

bool

Default Value

false

Remarks

This property determines whether the adapter will wait for bulk requests to report their status. By default this property is false and any INSERT, UPDATE or DELETE queries will complete as soon as they are submitted to Salesforce with SSO. When this property is true, the adapter will wait for INSERT, UPDATE and DELETE queries to finish.

When this property is false, data modification queries will be faster but less detailed status information will be available. The LastResultInfo#TEMP table will list the created batches and not the status of individual rows. Information about individual rows will only be available if you execute the GetBatchResults stored procedure for each batch.

When this property is true, data modification queries will be slower but more status information will be available. The LastResultInfo#TEMP table will list the ID of each updated row, its status and any associated error messages.

ToolingAPI

This section provides a complete list of the ToolingAPI properties you can configure in the connection string for this provider.

Property	Description
UseToolingAPI	Whether to use the Salesforce Tooling API.

UseToolingAPI

Whether to use the Salesforce Tooling API.

Data Type

bool

Default Value

false

Remarks

This property determines whether or not the Tooling API is used for reads and writes.

OAuth

This section provides a complete list of the OAuth properties you can configure in the connection string for this provider.

Property	Description
InitiateOAuth	Set this property to initiate the process to obtain or refresh the OAuth access token when you connect.
OAuthClientId	The client Id assigned when you register your application with an OAuth authorization server.
OAuthClientSecret	The client secret assigned when you register your application with an OAuth authorization server.
OAuthAccessToken	The access token for connecting using OAuth.
OAuthSettingsLocation	The location of the settings file where OAuth values are saved when InitiateOAuth is set to GETANDREFRESH or REFRESH. Alternatively, this can be held in memory by specifying a value starting with memory://.

CallbackURL	The OAuth callback URL to return to when authenticating. This value must match the callback URL you specify in your app settings.
OAuthServerURL	The server URL to use if authenticating with OAuth.
OAuthGrantType	The grant type for the OAuth flow.
OAuthAuthorizationURL	The authorization URL for the OAuth service.
OAuthAccessTokenURL	The URL to retrieve the OAuth access token from.
OAuthVerifier	The verifier code returned from the OAuth authorization URL.
OAuthRefreshToken	The OAuth refresh token for the corresponding OAuth access token.
OAuthExpiresIn	The lifetime in seconds of the OAuth AccessToken.
OAuthTokenTimestamp	The Unix epoch timestamp in milliseconds when the current Access Token was created.

InitiateOAuth

Set this property to initiate the process to obtain or refresh the OAuth access token when you connect.

Possible Values

OFF, GETANDREFRESH, REFRESH

Data Type

string

Default Value

"OFF"

Remarks

The following options are available:

1. **OFF:** Indicates that the OAuth flow will be handled entirely by the user. An OAuthAccessToken will be required to authenticate.
2. **GETANDREFRESH:** Indicates that the entire OAuth Flow will be handled by the adapter. If no token currently exists, it will be obtained by prompting the user via the browser. If a token exists, it will be refreshed when applicable.
3. **REFRESH:** Indicates that the adapter will only handle refreshing the OAuthAccessToken. The user will never be prompted by the adapter to authenticate via the browser. The user must handle obtaining the OAuthAccessToken and OAuthRefreshToken initially.

OAuthClientId

The client Id assigned when you register your application with an OAuth authorization server.

Data Type

string

Default Value

""

Remarks

As part of registering an OAuth application, you will receive the OAuthClientId value, sometimes also called a consumer key, and a client secret, the [OAuthClientSecret](#).

OAuthClientSecret

The client secret assigned when you register your application with an OAuth authorization server.

Data Type

string

Default Value

""

Remarks

As part of registering an OAuth application, you will receive the [OAuthClientId](#), also called a consumer key. You will also receive a client secret, also called a consumer secret. Set the client secret in the [OAuthClientSecret](#) property.

OAuthAccessToken

The access token for connecting using OAuth.

Data Type

string

Default Value

""

Remarks

The [OAuthAccessToken](#) property is used to connect using OAuth. The [OAuthAccessToken](#) is retrieved from the OAuth server as part of the authentication process. It has a server-dependent timeout and can be reused between requests.

The access token is used in place of your user name and password. The access token protects your credentials by keeping them on the server.

OAuthSettingsLocation

The location of the settings file where OAuth values are saved when `InitiateOAuth` is set to `GETANDREFRESH` or `REFRESH`. Alternatively, this can be held in memory by specifying a

value starting with memory://.

Data Type

string

Default Value

"%APPDATA%\CDData\Salesforce Data Provider\OAuthSettings.txt"

Remarks

When [InitiateOAuth](#) is set to GETANDREFRESH or REFRESH, the adapter saves OAuth values to avoid requiring the user to manually enter OAuth connection properties and allowing the credentials to be shared across connections or processes.

Alternatively to specifying a file path, memory storage can be used instead. Memory locations are specified by using a value starting with 'memory://' followed by a unique identifier for that set of credentials (ex: memory://user1). The identifier can be anything you choose but should be unique to the user. Unlike with the file based storage, you must manually store the credentials when closing the connection with memory storage to be able to set them in the connection when the process is started again. The OAuth property values can be retrieved with a query to the sys_connection_props system table. If there are multiple connections using the same credentials, the properties should be read from the last connection to be closed.

If left unspecified, the default location is "%APPDATA%\CDData\Salesforce Data Provider\OAuthSettings.txt" with %**APPDATA**% being set to the user's configuration directory:

Platform	%APPDATA%
Windows	The value of the APPDATA environment variable
Mac	~/Library/Application Support
Linux	~/.config

CallbackURL

The OAuth callback URL to return to when authenticating. This value must match the callback URL you specify in your app settings.

Data Type

string

Default Value

"http://localhost:33333"

Remarks

During the authentication process, the OAuth authorization server redirects the user to this URL. This value must match the callback URL you specify in your app settings.

OAuthServerURL

The server URL to use if authenticating with OAuth.

Data Type

string

Default Value

""

Remarks

If authenticating with OAuth, do not enter the [User](#), [Password](#), and [SecurityToken](#).

OAuthGrantType

The grant type for the OAuth flow.

Possible Values

CODE, PASSWORD

Data Type

string

Default Value

"CODE"

Remarks

The following options are available: CODE,PASSWORD

OAuthAuthorizationURL

The authorization URL for the OAuth service.

Data Type

string

Default Value

""

Remarks

The authorization URL for the OAuth service. At this URL, the user logs into the server and grants permissions to the application. In OAuth 1.0, if permissions are granted, the request token is authorized.

OAuthAccessTokenURL

The URL to retrieve the OAuth access token from.

Data Type

string

Default Value

""

Remarks

The URL to retrieve the OAuth access token from. In OAuth 1.0, the authorized request token is exchanged for the access token at this URL.

OAuthVerifier

The verifier code returned from the OAuth authorization URL.

Data Type

string

Default Value

""

Remarks

The verifier code returned from the OAuth authorization URL. This can be used on systems where a browser cannot be launched such as headless systems.

Authentication on Headless Machines

See to obtain the OAuthVerifier value.

Set [OAuthSettingsLocation](#) along with OAuthVerifier. When you connect, the adapter exchanges the OAuthVerifier for the OAuth authentication tokens and saves them, encrypted, to the specified file. Set [InitiateOAuth](#) to GETANDREFRESH automate the exchange.

Once the OAuth settings file has been generated, you can remove OAuthVerifier from the connection properties and connect with [OAuthSettingsLocation](#) set.

To automatically refresh the OAuth token values, set [OAuthSettingsLocation](#) and additionally set [InitiateOAuth](#) to REFRESH.

OAuthRefreshToken

The OAuth refresh token for the corresponding OAuth access token.

Data Type

string

Default Value

""

Remarks

The OAuthRefreshToken property is used to refresh the [OAuthAccessToken](#) when using OAuth authentication.

OAuthExpiresIn

The lifetime in seconds of the OAuth AccessToken.

Data Type

string

Default Value

""

Remarks

Pair with OAuthTokenTimestamp to determine when the AccessToken will expire.

OAuthTokenTimestamp

The Unix epoch timestamp in milliseconds when the current Access Token was created.

Data Type

string

Default Value

""

Remarks

Pair with OAuthExpiresIn to determine when the AccessToken will expire.

JWT OAuth

This section provides a complete list of the JWT OAuth properties you can configure in the connection string for this provider.

Property	Description
OAuthJWTCert	The JWT Certificate store.
OAuthJWTCertType	The type of key store containing the JWT Certificate.
OAuthJWTCertPassword	The password for the OAuth JWT certificate.
OAuthJWTCertSubject	The subject of the OAuth JWT certificate.
OAuthJWTIssuer	The issuer of the Java Web Token.
OAuthJWTSubject	The user subject for which the application is requesting delegated access.

OAuthJWTCert

The JWT Certificate store.

Data Type

string

Default Value

""

Remarks

The name of the certificate store for the client certificate.

The [OAuthJWTCertType](#) field specifies the type of the certificate store specified by [OAuthJWTCert](#). If the store is password protected, specify the password in [OAuthJWTCertPassword](#).

[OAuthJWTCert](#) is used in conjunction with the [OAuthJWTCertSubject](#) field in order to specify client certificates. If [OAuthJWTCert](#) has a value, and [OAuthJWTCertSubject](#) is set, a search for a certificate is initiated. Please refer to the [OAuthJWTCertSubject](#) field for details.

Designations of certificate stores are platform-dependent.

The following are designations of the most common User and Machine certificate stores in Windows:

MY	A certificate store holding personal certificates with their associated private keys.
CA	Certifying authority certificates.
ROOT	Root certificates.
SPC	Software publisher certificates.

In Java, the certificate store normally is a file containing certificates and optional private keys.

When the certificate store type is PFXFile, this property must be set to the name of the file. When the type is PFXBlob, the property must be set to the binary contents of a PFX file (i.e. PKCS12 certificate store).

The name of the certificate store for the client certificate.

The [OAuthJWTCertType](#) field specifies the type of the certificate store specified by [OAuthJWTCert](#). If the store is password protected, specify the password in [OAuthJWTCertPassword](#).

[OAuthJWTCert](#) is used in conjunction with the [OAuthJWTCertSubject](#) field in order to specify client certificates. If [OAuthJWTCert](#) has a value, and [OAuthJWTCertSubject](#) is set, a search for a certificate is initiated. Please refer to the [OAuthJWTCertSubject](#) field for details.

Designations of certificate stores are platform-dependent.

The following are designations of the most common User and Machine certificate stores in Windows:

MY	A certificate store holding personal certificates with their associated private keys.
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ROOT	Root certificates.
SPC	Software publisher certificates.

In Java, the certificate store normally is a file containing certificates and optional private keys.

When the certificate store type is PFXFile, this property must be set to the name of the file. When the type is PFXBlob, the property must be set to the binary contents of a PFX file (i.e. PKCS12 certificate store).

OAuthJWTCertType

The type of key store containing the JWT Certificate.

Possible Values

USER, MACHINE, PFXFILE, PFXBLOB, JKSFIL, JKSBLOB, PEMKEY_FILE, PEMKEY_BLOB, PUBLIC_KEY_FILE, PUBLIC_KEY_BLOB, SSHPUBLIC_KEY_FILE, SSHPUBLIC_KEY_BLOB, P7BFILE, PPKFILE, XMLFILE, XMLBLOB

Data Type

string

Default Value

"PFXFILE"

Remarks

This property can take one of the following values:

USER	For Windows, this specifies that the certificate store is a certificate store owned by the current user. <i>Note:</i> This store type is not available in Java.
MACHINE	For Windows, this specifies that the certificate store is a machine store. <i>Note:</i> this store type is not available in Java.
PFXFILE	The certificate store is the name of a PFX (PKCS12) file containing certificates.
PFXBLOB	The certificate store is a string (base-64-encoded) representing a certificate store in PFX (PKCS12) format.
JKSFILE	The certificate store is the name of a Java key store (JKS) file containing certificates. <i>Note:</i> this store type is only available in Java.
JKSBLOB	The certificate store is a string (base-64-encoded) representing a certificate store in Java key store (JKS) format. <i>Note:</i> this store type is only available in Java.
PEMKEY_FILE	The certificate store is the name of a PEM-encoded file that contains a private key and an optional certificate.
PEMKEY_BLOB	The certificate store is a string (base64-encoded) that contains a private key and an optional certificate.
PUBLIC_KEY_FILE	The certificate store is the name of a file that contains a PEM- or

	DER-encoded public key certificate.
PUBLIC_KEY_BLOB	The certificate store is a string (base-64-encoded) that contains a PEM- or DER-encoded public key certificate.
SSHPUBLIC_KEY_FILE	The certificate store is the name of a file that contains an SSH-style public key.
SSHPUBLIC_KEY_BLOB	The certificate store is a string (base-64-encoded) that contains an SSH-style public key.
P7BFILE	The certificate store is the name of a PKCS7 file containing certificates.
PPKFILE	The certificate store is the name of a file that contains a PPK (PuTTY Private Key).
XMLFILE	The certificate store is the name of a file that contains a certificate in XML format.
XMLBLOB	The certificate store is a string that contains a certificate in XML format.

This property can take one of the following values:

USER	For Windows, this specifies that the certificate store is a certificate store owned by the current user. <i>Note:</i> This store type is not available in Java.
MACHINE	For Windows, this specifies that the certificate store is a machine store. <i>Note:</i> this store type is not available in Java.
PFXFILE	The certificate store is the name of a PFX (PKCS12) file containing certificates.
PFXBLOB	The certificate store is a string (base-64-encoded) representing a certificate store in PFX (PKCS12) format.
JKSFILE	The certificate store is the name of a Java key store (JKS) file

	containing certificates. <i>Note:</i> this store type is only available in Java.
JKSBLOB	The certificate store is a string (base-64-encoded) representing a certificate store in Java key store (JKS) format. <i>Note:</i> this store type is only available in Java.
PEMKEY_FILE	The certificate store is the name of a PEM-encoded file that contains a private key and an optional certificate.
PEMKEY_BLOB	The certificate store is a string (base64-encoded) that contains a private key and an optional certificate.
PUBLIC_KEY_FILE	The certificate store is the name of a file that contains a PEM- or DER-encoded public key certificate.
PUBLIC_KEY_BLOB	The certificate store is a string (base-64-encoded) that contains a PEM- or DER-encoded public key certificate.
SSHPUBLIC_KEY_FILE	The certificate store is the name of a file that contains an SSH-style public key.
SSHPUBLIC_KEY_BLOB	The certificate store is a string (base-64-encoded) that contains an SSH-style public key.
P7BFILE	The certificate store is the name of a PKCS7 file containing certificates.
PPKFILE	The certificate store is the name of a file that contains a PPK (PuTTY Private Key).
XMLFILE	The certificate store is the name of a file that contains a certificate in XML format.
XMLBLOB	The certificate store is a string that contains a certificate in XML format.

OAuthJWTCertPassword

The password for the OAuth JWT certificate.

Data Type

string

Default Value

""

Remarks

If the certificate store is of a type that requires a password, this property is used to specify that password in order to open the certificate store.

If the certificate store is of a type that requires a password, this property is used to specify that password in order to open the certificate store.

OAuthJWTCertSubject

The subject of the OAuth JWT certificate.

Data Type

string

Default Value

"*"

Remarks

When loading a certificate the subject is used to locate the certificate in the store.

If an exact match is not found, the store is searched for subjects containing the value of the property.

If a match is still not found, the property is set to an empty string, and no certificate is selected.

The special value "*" picks the first certificate in the certificate store.

The certificate subject is a comma separated list of distinguished name fields and values. For instance "CN=www.server.com, OU=test, C=US, E=support@cdata.com". Common fields and their meanings are displayed below.

Field	Meaning
CN	Common Name. This is commonly a host name like www.server.com.
O	Organization
OU	Organizational Unit
L	Locality
S	State
C	Country
E	Email Address

If a field value contains a comma it must be quoted.

OAuthJWTIssuer

The issuer of the Java Web Token.

Data Type

string

Default Value

""

Remarks

The issuer of the Java Web Token. This is typically either the Client Id or Email Address of the OAuth Application.

The issuer of the Java Web Token. This is typically either the Client Id or Email Address of the OAuth Application.

OAuthJWTSubject

The user subject for which the application is requesting delegated access.

Data Type

string

Default Value

""

Remarks

The user subject for which the application is requesting delegated access. Typically, the user account name or email address.

The user subject for which the application is requesting delegated access. Typically, the user account name or email address.

SSL

This section provides a complete list of the SSL properties you can configure in the connection string for this provider.

Property	Description
SSLServerCert	The certificate to be accepted from the server when connecting using TLS/SSL.

SSLServerCert

The certificate to be accepted from the server when connecting using TLS/SSL.

Data Type

string

Default Value

""

Remarks

If using a TLS/SSL connection, this property can be used to specify the TLS/SSL certificate to be accepted from the server. Any other certificate that is not trusted by the machine is rejected.

This property can take the following forms:

Description	Example
A full PEM Certificate (example shortened for brevity)	-----BEGIN CERTIFICATE----- MIICHTCCAe4CAQAwDQYJKoZIhvd.....Qw == -----END CERTIFICATE-----
A path to a local file containing the certificate	C:\cert.cer
The public key (example shortened for brevity)	-----BEGIN RSA PUBLIC KEY----- MIGfMA0GCSq.....AQAB -----END RSA PUBLIC KEY-----
The MD5 Thumbprint (hex values can also be either space or colon separated)	34e92226ae0819f2ec14b4a3d904f801c
The SHA1 Thumbprint (hex values can also be either space or colon separated)	bb150d

If not specified, any certificate trusted by the machine is accepted.

Certificates are validated as trusted by the machine based on the System's trust store. The trust store used is the 'javax.net.ssl.trustStore' value specified for the system. If no value is specified for this property, Java's default trust store is used (for example, JAVA_HOME\lib\security\cacerts).

Use '*' to signify to accept all certificates. Note that this is not recommended due to security concerns.

Firewall

This section provides a complete list of the Firewall properties you can configure in the connection string for this provider.

Property	Description
FirewallType	The protocol used by a proxy-based firewall.
FirewallServer	The name or IP address of a proxy-based firewall.
FirewallPort	The TCP port for a proxy-based firewall.
FirewallUser	The user name to use to authenticate with a proxy-based firewall.
FirewallPassword	A password used to authenticate to a proxy-based firewall.

FirewallType

The protocol used by a proxy-based firewall.

Possible Values

NONE, TUNNEL, SOCKS4, SOCKS5

Data Type

string

Default Value

"NONE"

Remarks

This property specifies the protocol that the adapter will use to tunnel traffic through the [FirewallServer](#) proxy. Note that by default, the adapter connects to the system proxy; to disable this behavior and connect to one of the following proxy types, set [ProxyAutoDetect](#) to false.

Type	Default Port	Description
TUNNEL	80	When this is set, the adapter opens a connection to Salesforce with SSO and traffic flows back and forth through the proxy.
SOCKS4	1080	When this is set, the adapter sends data through the SOCKS 4 proxy specified by FirewallServer and FirewallPort and passes the FirewallUser value to the proxy, which determines if the connection request should be granted.
SOCKS5	1080	When this is set, the adapter sends data through the SOCKS 5 proxy specified by FirewallServer and FirewallPort . If your proxy requires authentication, set FirewallUser and FirewallPassword to credentials the proxy recognizes.

To connect to HTTP proxies, use [ProxyServer](#) and [ProxyPort](#). To authenticate to HTTP proxies, use [ProxyAuthScheme](#), [ProxyUser](#), and [ProxyPassword](#).

FirewallServer

The name or IP address of a proxy-based firewall.

Data Type

string

Default Value

""

Remarks

This property specifies the IP address, DNS name, or host name of a proxy allowing traversal of a firewall. The protocol is specified by [FirewallType](#): Use [FirewallServer](#) with this property to connect through SOCKS or do tunneling. Use [ProxyServer](#) to connect to an HTTP proxy.

Note that the adapter uses the system proxy by default. To use a different proxy, set [ProxyAutoDetect](#) to false.

FirewallPort

The TCP port for a proxy-based firewall.

Data Type

int

Default Value

0

Remarks

This specifies the TCP port for a proxy allowing traversal of a firewall. Use [FirewallServer](#) to specify the name or IP address. Specify the protocol with [FirewallType](#).

FirewallUser

The user name to use to authenticate with a proxy-based firewall.

Data Type

string

Default Value

""

Remarks

The `FirewallUser` and `FirewallPassword` properties are used to authenticate against the proxy specified in `FirewallServer` and `FirewallPort`, following the authentication method specified in `FirewallType`.

FirewallPassword

A password used to authenticate to a proxy-based firewall.

Data Type

string

Default Value

""

Remarks

This property is passed to the proxy specified by `FirewallServer` and `FirewallPort`, following the authentication method specified by `FirewallType`.

Proxy

This section provides a complete list of the Proxy properties you can configure in the connection string for this provider.

Property	Description
<code>ProxyAutoDetect</code>	This indicates whether to use the system proxy settings or not. This takes precedence over other proxy settings, so you'll need to set <code>ProxyAutoDetect</code> to <code>FALSE</code> in order use custom proxy settings.
<code>ProxyServer</code>	The hostname or IP address of a proxy to route HTTP traffic through.

ProxyPort	The TCP port the ProxyServer proxy is running on.
ProxyAuthScheme	The authentication type to use to authenticate to the ProxyServer proxy.
ProxyUser	A user name to be used to authenticate to the ProxyServer proxy.
ProxyPassword	A password to be used to authenticate to the ProxyServer proxy.
ProxySSLType	The SSL type to use when connecting to the ProxyServer proxy.
ProxyExceptions	A semicolon separated list of destination hostnames or IPs that are exempt from connecting through the ProxyServer .

ProxyAutoDetect

This indicates whether to use the system proxy settings or not. This takes precedence over other proxy settings, so you'll need to set ProxyAutoDetect to FALSE in order use custom proxy settings.

Data Type

bool

Default Value

true

Remarks

This takes precedence over other proxy settings, so you'll need to set ProxyAutoDetect to FALSE in order use custom proxy settings.

NOTE: When this property is set to True, the proxy used is determined as follows:

- A search from the JVM properties (**http.proxy**, **https.proxy**, **socksProxy**, etc.) is performed.
- In the case that the JVM properties don't exist, a search from

java.home/lib/net.properties is performed.

- In the case that `java.net.useSystemProxies` is set to `True`, a search from **the SystemProxy** is performed.
- In Windows only, an attempt is made to retrieve these properties from the **Internet Options** in the **registry**.

To connect to an HTTP proxy, see [ProxyServer](#). For other proxies, such as SOCKS or tunneling, see [FirewallType](#).

ProxyServer

The hostname or IP address of a proxy to route HTTP traffic through.

Data Type

string

Default Value

""

Remarks

The hostname or IP address of a proxy to route HTTP traffic through. The adapter can use the HTTP, Windows (NTLM), or Kerberos authentication types to authenticate to an HTTP proxy.

If you need to connect through a SOCKS proxy or tunnel the connection, see [FirewallType](#).

By default, the adapter uses the system proxy. If you need to use another proxy, set [ProxyAutoDetect](#) to `false`.

ProxyPort

The TCP port the ProxyServer proxy is running on.

Data Type

int

Default Value

80

Remarks

The port the HTTP proxy is running on that you want to redirect HTTP traffic through. Specify the HTTP proxy in [ProxyServer](#). For other proxy types, see [FirewallType](#).

ProxyAuthScheme

The authentication type to use to authenticate to the ProxyServer proxy.

Possible Values

BASIC, DIGEST, NONE, NEGOTIATE, NTLM, PROPRIETARY

Data Type

string

Default Value

"BASIC"

Remarks

This value specifies the authentication type to use to authenticate to the HTTP proxy specified by [ProxyServer](#) and [ProxyPort](#).

Note that the adapter will use the system proxy settings by default, without further configuration needed; if you want to connect to another proxy, you will need to set [ProxyAutoDetect](#) to false, in addition to [ProxyServer](#) and [ProxyPort](#). To authenticate, set [ProxyAuthScheme](#) and set [ProxyUser](#) and [ProxyPassword](#), if needed.

The authentication type can be one of the following:

- **BASIC:** The adapter performs HTTP BASIC authentication.
- **DIGEST:** The adapter performs HTTP DIGEST authentication.
- **NEGOTIATE:** The adapter retrieves an NTLM or Kerberos token based on the

applicable protocol for authentication.

- **PROPRIETARY:** The adapter does not generate an NTLM or Kerberos token. You must supply this token in the Authorization header of the HTTP request.

If you need to use another authentication type, such as SOCKS 5 authentication, see [FirewallType](#).

ProxyUser

A user name to be used to authenticate to the ProxyServer proxy.

Data Type

string

Default Value

""

Remarks

The [ProxyUser](#) and [ProxyPassword](#) options are used to connect and authenticate against the HTTP proxy specified in [ProxyServer](#).

You can select one of the available authentication types in [ProxyAuthScheme](#). If you are using HTTP authentication, set this to the user name of a user recognized by the HTTP proxy. If you are using Windows or Kerberos authentication, set this property to a user name in one of the following formats:

```
user@domain  
domain\user
```

ProxyPassword

A password to be used to authenticate to the ProxyServer proxy.

Data Type

string

Default Value

""

Remarks

This property is used to authenticate to an HTTP proxy server that supports NTLM (Windows), Kerberos, or HTTP authentication. To specify the HTTP proxy, you can set [ProxyServer](#) and [ProxyPort](#). To specify the authentication type, set [ProxyAuthScheme](#).

If you are using HTTP authentication, additionally set [ProxyUser](#) and [ProxyPassword](#) to HTTP proxy.

If you are using NTLM authentication, set [ProxyUser](#) and [ProxyPassword](#) to your Windows password. You may also need these to complete Kerberos authentication.

For SOCKS 5 authentication or tunneling, see [FirewallType](#).

By default, the adapter uses the system proxy. If you want to connect to another proxy, set [ProxyAutoDetect](#) to false.

ProxySSLType

The SSL type to use when connecting to the ProxyServer proxy.

Possible Values

AUTO, ALWAYS, NEVER, TUNNEL

Data Type

string

Default Value

"AUTO"

Remarks

This property determines when to use SSL for the connection to an HTTP proxy specified by [ProxyServer](#). This value can be AUTO, ALWAYS, NEVER, or TUNNEL. The applicable values are the following:

AUTO	Default setting. If the URL is an HTTPS URL, the adapter will use the TUNNEL option. If the URL is an HTTP URL, the component will use the NEVER option.
ALWAYS	The connection is always SSL enabled.
NEVER	The connection is not SSL enabled.
TUNNEL	The connection is through a tunneling proxy. The proxy server opens a connection to the remote host and traffic flows back and forth through the proxy.

ProxyExceptions

A semicolon separated list of destination hostnames or IPs that are exempt from connecting through the ProxyServer .

Data Type

string

Default Value

""

Remarks

The [ProxyServer](#) is used for all addresses, except for addresses defined in this property. Use semicolons to separate entries.

Note that the adapter uses the system proxy settings by default, without further configuration needed; if you want to explicitly configure proxy exceptions for this connection, you need to set [ProxyAutoDetect](#) = false, and configure [ProxyServer](#) and [ProxyPort](#). To authenticate, set [ProxyAuthScheme](#) and set [ProxyUser](#) and [ProxyPassword](#), if needed.

Logging

This section provides a complete list of the Logging properties you can configure in the connection string for this provider.

Property	Description
LogModules	Core modules to be included in the log file.

LogModules

Core modules to be included in the log file.

Data Type

string

Default Value

""

Remarks

Only the modules specified (separated by ';') will be included in the log file. By default all modules are included.

See the [Logging](#) page for an overview.

Schema

This section provides a complete list of the Schema properties you can configure in the connection string for this provider.

Property	Description
Location	A path to the directory that contains the schema files defining tables, views, and stored procedures.

Location

A path to the directory that contains the schema files defining tables, views, and stored procedures.

Data Type

string

Default Value

"%APPDATA%\\CData\\Salesforce Data Provider\\Schema"

Remarks

The path to a directory which contains the schema files for the adapter (.rsd files for tables and views, .rsb files for stored procedures). The folder location can be a relative path from the location of the executable. The Location property is only needed if you want to customize definitions (for example, change a column name, ignore a column, and so on) or extend the data model with new tables, views, or stored procedures.

If left unspecified, the default location is "%APPDATA%\\CData\\Salesforce Data Provider\\Schema" with **%APPDATA%** being set to the user's configuration directory:

Platform	%APPDATA%
Windows	The value of the APPDATA environment variable
Mac	~/Library/Application Support
Linux	~/.config

Miscellaneous

This section provides a complete list of the Miscellaneous properties you can configure in the connection string for this provider.

Property	Description
AllOrNone	A boolean indicating if you would like all inserts, updates, or deletes to fail in a request if even a single record fails.
ArchiveMode	Boolean indicating whether to include deleted and archived records with a standard SELECT query.
ContinueOnAlterException	Whether you want to continue after a ALTER statement has failed.
ExposeConceptualEntities	Boolean determining if the Salesforce record types / conceptual entities should be exposed as tables.
FilterScope	Optional scope to limit the records returned from queries.
IncludeMetadataDescription	Set this property to a value other than NONE if you want to retrieve the descriptions for columns, tables or both of them from the Metadata API.
MaxRows	Limits the number of rows returned rows when no aggregation or group by is used in the query. This helps avoid performance issues at design time.
Other	These hidden properties are used only in specific use cases.
QueryPassthrough	Whether to accept SOQL queries.
Readonly	You can use this property to enforce read-only access to Salesforce from the provider.
RemoveBOMCharacter	Specifies whether to remove the BOM character (char)0xfeff from the content.
ReplaceInvalidUTF8Chars	Specifies whether to replace invalid UTF8 characters with a '?'.
ServerSideAggregation	A boolean determining if server side aggregation should be used.

SessionTimeout	The time in minutes for which a Salesforce login session is reused.
SkipFormulaFields	Set to true if formula fields should be skipped when listing columns.
SortColumns	Set to true to sort table columns instead of reporting them in the Salesforce order.
Timeout	The value in seconds until the timeout error is thrown, canceling the operation.
UseDisplayNames	Boolean determining if the display names for the columns should be used instead of the API names.
UserDefinedViews	A filepath pointing to the JSON configuration file containing your custom views.

AllOrNone

A boolean indicating if you would like all inserts, updates, or deletes to fail in a request if even a single record fails.

Data Type

bool

Default Value

false

Remarks

The [AllOrNone](#) property is not available when using Bulk API requests.

ArchiveMode

Boolean indicating whether to include deleted and archived records with a standard SELECT query.

Data Type

bool

Default Value

false

Remarks

By default, Salesforce will only return non-deleted and unarchived records from a SELECT query. With this property set to True, the adapter will use the queryAll endpoint which will return records that are marked as deleted or archived as well as the normal records.

ContinueOnAlterException

Whether you want to continue after a ALTER statement has failed.

Data Type

bool

Default Value

false

Remarks

The ALTER statement is split into multiple alter statements when more than 10 columns are present in the statement to facilitate an API limit where ALTER statements can include a maximum of 10 columns being modified/added. If true, when an individual statement fails, the adapter continues to evaluate the others. If false, the failure of any statement will result in an error instead of a skip.

ExposeConceptualEntities

Boolean determining if the Salesforce record types / conceptual entities should be exposed as tables.

Data Type

bool

Default Value

false

Remarks

Boolean determining if the Salesforce record types / conceptual entities should be exposed as tables.

Each Salesforce object can have its record types. e.g: The Account object can have records of type: Partner, Customer.

If this property is set to true, the driver will expose one additional table for each record type: Account_Partner, Account_Customer.

FilterScope

Optional scope to limit the records returned from queries.

Possible Values

None, Delegated, Everything, Mine, MineAndMyGroups, My_Territory, My_Team_Territory, Team

Data Type

string

Default Value

"None"

Remarks

This property can take one of these values: Delegated, Everything, Mine, MineAndMyGroups, My_Territory, My_Team_Territory, or Team.

This property appends the "USING SCOPE" keyword in the SOQL query.

IncludeMetadataDescription

Set this property to a value other than NONE if you want to retrieve the descriptions for columns, tables or both of them from the Metadata API.

Possible Values

NONE, Columns, Tables, TablesAndColumns

Data Type

string

Default Value

"NONE"

Remarks

Note: Extra API calls will be executed if this property is set to a value other than NONE. Set the value of this property to Columns if you want to retrieve the descriptions for every column from the Metadata API.

Set the value of this property to Tables if you want to retrieve the descriptions for every table from the Metadata API.

Set the value of this property to TablesAndColumns if you want to retrieve the descriptions for every table and their respective columns from the Metadata API.

MaxRows

Limits the number of rows returned rows when no aggregation or group by is used in the query. This helps avoid performance issues at design time.

Data Type

int

Default Value

-1

Remarks

Limits the number of rows returned rows when no aggregation or group by is used in the query. This helps avoid performance issues at design time.

Other

These hidden properties are used only in specific use cases.

Data Type

string

Default Value

""

Remarks

The properties listed below are available for specific use cases. Normal driver use cases and functionality should not require these properties.

Specify multiple properties in a semicolon-separated list.

Integration and Formatting

DefaultColumnSize	Sets the default length of string fields when the data source does not provide column length in the metadata. The default value is 2000.
ConvertDateTimeToGMT	Determines whether to convert date-time values to GMT, instead of the local time of the machine.
RecordToFile=filename	Records the underlying socket data transfer to the specified file.

QueryPassthrough

Whether to accept SOQL queries.

Data Type

bool

Default Value

false

Remarks

By default the adapter accepts SQL queries and translates them into SOQL. If this option is set, then the adapter will instead accept SOQL directly and pass it through to Salesforce with SSO.

Readonly

You can use this property to enforce read-only access to Salesforce from the provider.

Data Type

bool

Default Value

false

Remarks

If this property is set to true, the adapter will allow only SELECT queries. INSERT, UPDATE, DELETE, and stored procedure queries will cause an error to be thrown.

RemoveBOMCharacter

Specifies whether to remove the BOM character (char)0xfeff from the content.

Data Type

bool

Default Value

false

Remarks

Specifies whether to remove the BOM character (char)0xfeff from the content.

ReplaceInvalidUTF8Chars

Specifies whether to replace invalid UTF8 characters with a '?'.

Data Type

bool

Default Value

false

Remarks

Specifies whether to replace invalid UTF8 characters with a '?'

ServerSideAggregation

A boolean determining if server side aggregation should be used.

Data Type

bool

Default Value

true

Remarks

By default, this will be set to true to offload as much as possible to the API. There are cases when setting `ServerSideAggregation` to false can fix some issues. For example, when trying to run an aggregation query on the non-primary key field and there are more than 2000 rows which will be returned (an error `EXCEEDED_ID_LIMIT` will be thrown). In that case, setting `ServerSideAggregation` to false will offload the task to the client side, and will fix the issue.

SessionTimeout

The time in minutes for which a Salesforce login session is reused.

Data Type

string

Default Value

"10"

Remarks

The adapter creates a login session with Salesforce based on the authentication credentials provided. This session is reused for subsequent queries until it times out. The `SessionTimeout` property allows you to control how long the login session is kept by the adapter. You can set the `SessionTimeout` to 0 to disable login sessions; this will force the adapter to authenticate each request.

This property is useful when creating and reusing a Salesforce with SSO connection. The property only impacts SSO and Basic Authentication connections, and is not used for OAuth.

SkipFormulaFields

Set to true if formula fields should be skipped when listing columns.

Data Type

bool

Default Value

false

Remarks

Set to true if formula fields should be skipped when listing columns.

SortColumns

Set to true to sort table columns instead of reporting them in the Salesforce order.

Data Type

bool

Default Value

false

Remarks

By default the adapter reports columns in the order that Salesforce with SSO reports them. If pseudo-columns are enabled, the adapter will add them to the end of the column list.

When this option is enabled, the adapter will report all columns (including pseudo-columns) in order according to their name.

Timeout

The value in seconds until the timeout error is thrown, canceling the operation.

Data Type

int

Default Value

60

Remarks

If Timeout = 0, operations do not time out. The operations run until they complete successfully or until they encounter an error condition.

If Timeout expires and the operation is not yet complete, the adapter throws an exception.

UseDisplayNames

Boolean determining if the display names for the columns should be used instead of the API names.

Data Type

bool

Default Value

false

Remarks

Boolean determining if the display names for the columns should be used instead of the API names.

UserDefinedViews

A filepath pointing to the JSON configuration file containing your custom views.

Data Type

string

Default Value

""

Remarks

User Defined Views are defined in a JSON-formatted configuration file called *UserDefinedViews.json*. The adapter automatically detects the views specified in this file.

You can also have multiple view definitions and control them using the UserDefinedViews connection property. When you use this property, only the specified views are seen by the adapter.

This User Defined View configuration file is formatted as follows:

- Each root element defines the name of a view.
- Each root element contains a child element, called **query**, which contains the custom SQL query for the view.

For example:

```
{
  "MyView": {
    "query": "SELECT * FROM Account WHERE MyColumn = 'value'"
  },
  "MyView2": {
    "query": "SELECT * FROM MyTable WHERE Id IN (1,2,3)"
  }
}
```

Use the UserDefinedViews connection property to specify the location of your JSON configuration file. For example:

```
"UserDefinedViews",
"C:\\Users\\yourusername\\Desktop\\tmp\\UserDefinedViews.json"
```

TIBCO Product Documentation and Support Services

For information about this product, you can read the documentation, contact TIBCO Support, and join the TIBCO Community.

How to Access TIBCO Documentation

Documentation for TIBCO products is available on the [TIBCO Product Documentation](#) website, mainly in HTML and PDF formats.

The [TIBCO Product Documentation](#) website is updated frequently and is more current than any other documentation included with the product.

Product-Specific Documentation

The following documentation for this product is available on the [TIBCO® Data Virtualization](#) page.

- **Users**
 - TDV Getting Started Guide
 - TDV User Guide
 - TDV Web UI User Guide
 - TDV Client Interfaces Guide
 - TDV Tutorial Guide
 - TDV Northbay Example
- **Administration**
 - TDV Installation and Upgrade Guide
 - TDV Administration Guide
 - TDV Active Cluster Guide
 - TDV Security Features Guide
- **Data Sources**

TDV Adapter Guides

TDV Data Source Toolkit Guide (Formerly Extensibility Guide)

- **References**

TDV Reference Guide

TDV Application Programming Interface Guide

- **Other**

TDV Business Directory Guide

TDV Discovery Guide

- *TIBCO TDV and Business Directory Release Notes* Read the release notes for a list of new and changed features. This document also contains lists of known issues and closed issues for this release.

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Release Version Support

TDV 8.5 is designated as a Long Term Support (LTS) version. Some release versions of TIBCO® Data Virtualization products are selected to be long-term support (LTS) versions. Defect corrections will typically be delivered in a new release version and as hotfixes or service packs to one or more LTS versions. See also

https://docs.tibco.com/pub/tdv/general/LTS/tdv_LTS_releases.htm.

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