



TIBCO® Data Virtualization

Hubspot Adapter Guide

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HubSpot Adapter

HubSpot Version Support

The adapter models all the entities in your HubSpot account as bidirectional tables through the HubSpot Web services API. You will need a developer account to access HubSpot data through APIs. After creating a developer account, see [Connecting to HubSpot](#) to authenticate to the HubSpot APIs.

SQL Compliance

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

Getting Started

Connecting to HubSpot

[Basic Tab](#) shows how to authenticate to HubSpot 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 HubSpot Adapter

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

1. Unzip the `tdv.hubspot.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.hubspot/tdv.hubspot.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 HubSpot
```

Basic Tab

Authenticating to HubSpot

There are two authentication methods available for connecting to HubSpot data source: PrivateAppToken-based and OAuth Authentication.

Some tables in the HubspotV3 schema may not work with the OAuth mechanism. This API limitation restricts their usage only to the PrivateAppToken-based authentication. Specifically, each table in the data-model section will mention the supported authentication mechanism.

OAuth

`AuthScheme` must be set to **OAuth** in all OAuth flows. The following OAuth flows assume you have done so.

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 an internet 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, call the [GetOAuthAuthorizationURL](#) stored procedure. Open the URL returned by the stored procedure in a browser.
- If you are using a custom OAuth application, set 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 redirect URI. There will be a parameter called *code* appended to the redirect URI. Note the value of this parameter. 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.

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 noted verifier code (the value of the *code* parameter in the redirect URI).
- 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.

Test the connection to generate the OAuth settings file, then 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*.

Test the connection to generate the OAuth settings file, then 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 the OAuth settings file you copied

from the machine with the browser. Make sure this file gives read and write permissions to the adapter to enable the automatic refreshing of the access token.

Private App Token

To connect using a Hubspot Private App Token, set the AuthScheme property to **PrivateAppToken** and OAuthAccessToken to the value of your application's access token, and you are ready to connect.

You can generate a HubSpot Private App Token by following the steps below:

1. In your HubSpot account, click the settings icon in the main navigation bar.
2. In the left sidebar menu, navigate to **Integrations > Private Apps**.
3. Click **Create private app**.
4. On the **Basic Info** tab, configure the details of your application (name, logo, and description).
5. On the **Scopes** tab, select **Read** or **Write** for each scope you want your private application to be able to access. This determines the data the driver has access to retrieve. Refer to the OAuthRequiredScopes and OAuthOptionalScopes properties for recommended scopes to select.
6. After you are done configuring your application, click **create app** in the top right.
7. Review the info about your application's access token, click **Continue creating**, and then **Show token**.
8. You can now set the retrieved token in the OAuthAccessToken property (OAuthAccessToken is used for Private App Access Tokens and OAuth Access Tokens).

You can set the AuthScheme to **PrivateAppToken** to enforce this Authentication scheme.

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 HubSpot 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_dsrc.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

When To Create a Custom OAuth Application

CData embeds OAuth Application Credentials with CData branding that can be used when connecting via a headless application.

You may choose to use your own OAuth Application Credentials when you want to

- control branding of the Authentication Dialog
- control the redirect URI that the application redirects the user to after the user authenticates
- customize the permissions that you are requesting from the user

Create a Custom App

The HubSpot Adapter is already registered with HubSpot; to display your own information to users when they log in, follow the steps below to register an application and obtain the OAuth client credentials, the OAuthClientId and OAuthClientSecret:

1. Log into your HubSpot developer account.
2. On the developer account home page, click **Create an app** or, if starting from the Apps dashboard, click **Create app**.
3. On the **App info** tab, enter and optionally modify values that are displayed to users when they connect. These values include the public application name, application logo, and a description of the application.
4. On the **Auth** tab, copy the client ID and client secret. You will use these later for the OAuthClientId and OAuthClientSecret properties.
5. Set CallbackURL to <http://localhost:33333>.
6. Under **Scopes**, select **Standard > oauth**, any additional scopes as needed for your application's functionality, and the data you want to retrieve (see the OAuthRequiredScopes and OAuthOptionalScopes properties for the default scopes requested by the driver).
7. Install the application into a production portal with access to the features that are required by the integration.

Note that the requested scopes (OAuthRequiredScopes) must match the scopes specified in your application's settings.

Fine-Tuning Data Access

Accessing Custom Fields

If you have defined a large number of custom fields, *SELECT ** queries can fail with an error as HubSpot limits how many fields can be requested. To avoid the error, you can specify the custom fields you want to return in the text files specified by ContactPropertiesFile and DealPropertiesFile. Alternatively, specify the primary key in the WHERE clause.

If the detected column sizes for custom fields are not sufficient, you can specify the sizes in ColumnSizes.

Fine Tuning Data Access

You can use the following properties to gain more control over column names:

- UseDisplayNames

- UseSimpleNames

Changelog

General Changes

Date	Build Number	Change Type	Description
03/01/2023	8460	HubSpot	Added <ul style="list-style-type: none"> • Added Threads as a table to the HubSpotV3 schema. Threads is used to retrieve a group of related messages in the inbox. It requires conversations.read and conversations.write as scopes. • Added ThreadMessages as a view to the HubSpotV3 schema. ThreadMessages is used to retrieve the message history of a thread. It requires conversations.read as scope and ThreadId to be specified.
01/11/2023	8411	HubSpot	Added <ul style="list-style-type: none"> • Added Files as a view to the HubSpotV3 schema. Files is used to search through files in the file manager. The view does not display hidden or archived files, and requires files or files.ui_hidden.read as a scope. • Added Folders as a view to the HubSpotV3 schema. Folder is used to search for folders. The view does not contain hidden or archived folders, and requires files or files.ui_hidden.read as a scope. • Added DownloadFile as a stored procedure to the HubSpotV3 schema. DownloadFile can be used to

download a public or private file from HubSpot.			
12/14/2022	8383	General	Changed <ul style="list-style-type: none"> Added the Default column to the sys_procedureparameters table.
12/11/2022	8380	HubSpot	Added <ul style="list-style-type: none"> Added SELECT support for the Associations V4 API and retrieving multiple associations (HubSpot and User-defined, one to many and many to one) between all object types in the HubSpotV3 schema. Added two new columns to all Associations tables TypeId and TypeName. Added two new columns to the AssociationsTypes view, Label and Category.
09/30/2022	8308	General	Changed <ul style="list-style-type: none"> Added the IsPath column to the sys_procedureparameters table.
09/26/2022	8304	HubSpot	Added <ul style="list-style-type: none"> Added the AssociationsTypes table in the HubSpotV3 schema, which can be used to retrieve all available association types between a pair of CRM objects to be used in INSERT statements and similar. Added Id and Object Type filters for all Associations type tables in the HubSpotV3 schema (supports ExpandAssociations=true and ExpandAssociations=false).
09/15/2022	8293	HubSpot	Changed <ul style="list-style-type: none"> In the EmailCampaigns table, the data type for 'Id' was changed from 'long' to 'string'.

			<ul style="list-style-type: none"> • In the EmailCampaignEvents view, the data type for 'CampaignId' was changed from 'long' to 'string'. • In the ContactFormSubmissions view, the data type for 'PageId' was changed from 'string' to 'long'. • In the DealStages view, the data type for DealId was changed from 'string' to 'long'.
08/31/2022	8278	HubSpot	Added <ul style="list-style-type: none"> • Added binary and encoded content output support for CreateSchema (HubSpot and HubSpotV3 schema). Added FileStream as an input and FileData as an output. Changed <ul style="list-style-type: none"> • For the HubSpot schema, the UploadFile stored procedure will use /filemanager/api/v3/files/upload as its destination endpoint. Hidden files can no longer be created, and a new 'Access' input must be set. • For the HubSpotV3 schema, the UploadFile stored procedure will use /files/v3/files as its destination endpoint.
08/19/2022	8266	HubSpot	Added <ul style="list-style-type: none"> • Added binary input support for UploadFile (HubSpot and HubSpotV3 schema). Added Content as an input.
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.
07/28/2022	8244	HubSpot	Removed <ul style="list-style-type: none"> • Support for the API key has been removed since

Hubspot will sunset the API key on 11/30/2022.

04/26/2022	8151	HubSpot	Changed
			<ul style="list-style-type: none"> Changed the default schema to HubSpotV3.
02/10/2022	8076	HubSpot	Changed
			<ul style="list-style-type: none"> Changed the data type from integer to long for a number of mostly primary key columns due to the sizes of returned values potentially overflowing the maximum size for integer. Impacted columns include: ContactLists.ListSize, CrmAssociations.DefinitionId, Engagements.PortalId, Engagements.OwnerId, Engagements.DurationMilliseconds, Engagements.CreatedBy, Engagements.ModifiedBy, LinelItems.Id, MarketingEmails.MaxRssEntries, Products.Id, SocialMediaMessages.Clicks, SocialMediaMessages.CreatedBy, SocialMediaMessages.UpdatedBy, Workflows.ContactListIdsCompleted, Workflows.ContactListIdsEnrolled, Workflows.ContactListIdsFailed, Workflows.ContactListIdsSucceeded, Contacts.VID, ContactsInList.VID, AnalyticsBreakdowns.Contacts, AnalyticsBreakdowns.Customers, AnalyticsBreakdowns.Leads, AnalyticsBreakdowns.MarketingQualifiedLeads, AnalyticsBreakdowns.Opportunities, AnalyticsBreakdowns.RawViews, AnalyticsBreakdowns.SalesQualifiedLeads, AnalyticsBreakdowns.Subscribers, AnalyticsBreakdowns.Visitors, AnalyticsBreakdowns.Visits, AnalyticsContents.Contacts, AnalyticsContents.CtaViews,

AnalyticsContents.Entrances,
 AnalyticsContents.Exits, AnalyticsContents.Leads,
 AnalyticsContents.PageBounces,
 AnalyticsContents.PageTime,
 AnalyticsContents.RawViews,
 AnalyticsContents.Submissions,
 AnalyticsEventCompletions.Completions,
 AnalyticsForms.Completions,
 AnalyticsForms.FormViews,
 AnalyticsForms.Installs,
 AnalyticsForms.Interactions,
 AnalyticsForms.Submissions,
 AnalyticsForms.Visibles,
 AnalyticsSessions.Desktop,
 AnalyticsSessions.DirectTraffic,
 AnalyticsSessions.EmailMarketing,
 AnalyticsSessions.Mobile,
 AnalyticsSessions.OrganicSearch,
 AnalyticsSessions.OtherCampaigns,
 AnalyticsSessions.Others,
 AnalyticsSessions.PaidSearch,
 AnalyticsSessions.Referrals,
 AnalyticsSessions.SocialMedia,
 AnalyticsSocialAssists.RawViews,
 AnalyticsViews.Id, AnalyticsViews.CreatorId,
 AnalyticsViews.UpdaterId, BlogAuthors.UserId,
 Blogs.PostsPerListingPage,
 Blogs.PostsPerRSSFeed,
 ContactFormSubmissions.ContactVID,
 ContactFormSubmissions.PortalId,
 ContactIdentityProfiles.ContactVID,
 ContactPropertiesHistory.VID,
 EcommerceSyncErrors.PortalId,
 EngagementScheduledTasks.PortalId, Files.Size,
 Owners.OwnerId, Tasks.PortalId

01/24/2022 8059 HubSpot **Added**

- Added support for 6 new tables with full CRUD Support:

			<ul style="list-style-type: none"> ◦ EngagementsCalls ◦ EngagementsTasks ◦ EngagementsNotes ◦ EngagementsMeetings ◦ EngagementsCalls ◦ Forms
12/13/2021	8017	HubSpot	Changed <ul style="list-style-type: none"> • Updated the default scopes to conform to HubSpot API's changes. Note that you can control what scopes to use by using the connection properties OAuthRequiredScopes and OAuthOptionalScopes. More information can be found here: https://developers.hubspot.com/docs/api/oauth/contacts-scope-migration
12/01/2021	8005	HubSpot	Added <ul style="list-style-type: none"> • Added extra columns for Dimension, Hierarchy and OLAPType to sys_tablecolumns for OLAP properties.
10/13/2021	7956	HubSpot	Added <ul style="list-style-type: none"> • Added the hidden connection property ShowListMemberships, which defaults to true. If set to false, current list memberships will not be fetched for the contact.
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.
08/23/2021	7905	HubSpot	Changed <ul style="list-style-type: none"> • You can now update the "Additional email addresses" column from the Contacts table.

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.
08/03/2021	7885	HubSpot	Added <ul style="list-style-type: none"> Added support for the table FeedbackSubmissions. It is similar to Companies, Contacts, Deals etc.
07/23/2021	7874	General	Changed <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.
07/08/2021	7859	General	Added <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.
05/11/2021	7801	HubSpot	Changed

			<ul style="list-style-type: none"> We have made some improvements to attempt to automatically handle instances where the url would be exceeded due to selecting too many columns in the HubSpotV3 schema. In HubSpot, we must request individual fields when retrieving data via url parameters. This may result in an exception stating that the url length is exceeded when too many fields are selected in cases where you have a lot of custom fields. To handle this, we will instead automatically split the query up into smaller requests and perform a join on the table in the background to retrieve all the selected columns.
05/06/2021	7796	HubSpot	Added <ul style="list-style-type: none"> Added support for the DeleteFile store procedure. It may be used to delete a file and its related objects.
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	Changed <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
12/11/2020	7650	HubSpot	Added <ul style="list-style-type: none"> • Added support to expose the custom object associations tables for custom objects with available associations to other object types. The custom object associations tables are exposed in the format {CustomObjectPluralLabel}Associations. • The standard object association tables will now return the ids for the associated custom object type records. For example, a query to the ContactAssociations table will also include the Ids of the associated custom object records if any apart from the standard ones.

- Added the ExpandAssociations connection property (default=false). If true, the driver will expose one associations table for each association between two HubSpot object types (ex. CompaniesToContactsAssociations, ContactsToDealsAssociations, DealsToLineitemsAssociations, etc.). Each of these tables will return the Id pairs of the associated records from the two object types.
- Added support for Insert and Delete operations to the CustomObjectAssociations which can be used to add and remove associations between a custom object type and other object types (custom or standard objects).
- Removed the ProductAssociations table as the Products object doesn't currently support any associations apart from LineItems. LineItems includes the Product Id as a foreign key to the Products table.

10/26/2020 7604 HubSpot **Added**

- Added UploadFile stored procedure which uses the HubSpot V3 API and allows you to upload files to the Hubspot file manager.

10/22/2020 7600 HubSpot **Added**

- Support for Creating, Updating and Deleting Custom Hubspot Objects (tables) and Properties (columns) via the stored procedures: CreateCustomObject, CreateCustomProperty, UpdateCustomObject, UpdateCustomProperty, DeleteCustomObject, DeleteCustomProperty.
- Support to expose as tables the dynamically retrieved Custom Objects.
- Added views: CustomObjects, CustomObjectProperties, CustomObjectAssociations, which provide

detailed information on the available Custom Objects.

Advanced Features

This section details a selection of advanced features of the HubSpot 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 HubSpot 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 HubSpot 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 Contacts 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 HubSpot 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 HubSpot Query Evaluation component examines SQL queries and returns information indicating what parts of the query the adapter is not capable of executing natively.

The HubSpot 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 Verbosity 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 Verbosity to 2 will log everything included in Verbosity 1 and additional information about the request.
3	Setting Verbosity to 3 will additionally log HTTP headers, as well as the body of the request and the response.
4	Setting Verbosity 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 verbosities, 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 HubSpot 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 HubSpot 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.

DELETE Statements

The primary key Id is required to delete a record. See [DELETE 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 HubSpot 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> ]
}
[ WHERE <search_condition> ]
[
  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> { = | != | > | < | <= | >= | AND | OR } [
<expression> ]
  } [ { AND | OR } ... ]

```

Examples

1. Return all columns:

```
SELECT * FROM Contacts
```

2. Rename a column:


```
SELECT "Country" AS MY_Country FROM Contacts
```

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

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

4. Search data:

```
SELECT * FROM Contacts WHERE VID = '123456789'
```

5. The HubSpot APIs support the following operators in the WHERE clause: =, !=, >, <, <=, >=, AND, OR.

```
SELECT * FROM Contacts WHERE VID = '123456789';
```

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 City, Country INTO
'csv://c:/Contacts.txt' FROM 'Contacts' WHERE VID = '123456789'");
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 'Contacts' IN
'csv://filename=c:/Contacts.csv;delimiter=tab' FROM 'Contacts' WHERE VID
= '123456789'");
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 Contacts (Country) VALUES (?)";
PreparedStatement pstmt = connection.prepareStatement
(cmd,Statement.RETURN_GENERATED_KEYS);
pstmt.setString(1, "Canada");
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 Contacts SET Country='Canada' WHERE Id = ?";
PreparedStatement pstmt = connection.prepareStatement(cmd);
pstmt.setString(1, "123456789");
int count = pstmt.executeUpdate();
System.out.println(count + " rows were affected");
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:hubspot:InitiateOAuth=GETANDREFRESH;",);
String cmd = "DELETE FROM Contacts WHERE Id = ?";
PreparedStatement pstmt = connection.prepareStatement(cmd);
```

```
pstmt.setString(1, "123456789");
int count=pstmt.executeUpdate();
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 Syntax

```
"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 \(Transact-SQL\)](#)

Data Model

The HubSpot Adapter models HubSpot entities as relational Tables, Views, and Stored Procedures. API limitations and requirements are documented in this section; you can use the [SupportEnhancedSQL](#) feature, set by default, to circumvent most of these limitations.

Using HubSpot API

See [HubSpot Data Model](#) for the available entities in the Marketplace API.

Using HubSpot V3 API

See [HubSpot V3 Data Model](#) for the available entities in the Selling Partner API.

HubSpot Data Model

The HubSpot Adapter models HubSpot entities as relational Tables, Views, and Stored Procedures. API limitations and requirements are documented in this section; you can use the [SupportEnhancedSQL](#) feature, set by default, to circumvent most of these limitations.

Tables

[Tables](#) describes the available tables.

Views

[Views](#) are tables that cannot be modified. Typically, data that are read-only and cannot be updated are shown as views.

Stored Procedures

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

Tables

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

Generally, querying HubSpot 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.

HubSpot Adapter Tables

Name	Description
Companies	Companies may be kept track of in HubSpot just like contacts. They can be added to, updated, and removed from this table.
CompanyProperties	Company properties are the standard and custom pieces of field data that appear in HubSpot.
CompanyPropertyGroups	Company property groups in HubSpot offer a way of organizing individual types of properties for companies. Each company property must belong to a property group.
ContactLists	Contact lists in HubSpot can be used to group together contacts with similar characteristics.
ContactProperties	Contact properties are the standard and custom pieces of field data that appear in HubSpot.
ContactPropertyGroups	Contact property groups in HubSpot offer a way of organizing individual types of properties for contacts. Each contact property must belong to a property group.
Contacts	Your contacts in HubSpot may be used for marketing campaigns and can be retrieved, inserted, updated, and deleted from this table.
ContactsInList	Retrieves the contacts in a given list in HubSpot. New contacts may be added to the list or removed from it. A ListId must be specified to retrieve the current contacts in the list.

CrmAssociations	Query the available CRM Associations in HubSpot.
DealAssociations	Deal associations can be used to insert or delete individual associations with Deals.
DealProperties	Deal properties are the standard and custom pieces of field data that appear in HubSpot.
DealPropertyGroups	Contact property groups in HubSpot offer a way of organizing individual types of properties for contacts. Each contact property must belong to a property group.
Deals	Your deals in HubSpot which may be used for making offers to potential customers.
EcommerceSettings	Retrieve the current ecommerce settings for your portal or app.
EmailSubscriptions	The subscription types a given email is subscribed to. An email must be specified to return results. Subscriptions may be removed by deleting them.
Engagements	Engagements represent any of a number of different types of engagements you have in HubSpot.
Forms	Create and manage HubSpot Forms.
LineItems	Query the available line items in HubSpot.
MarketingEmails	Create and manage HubSpot Marketing Emails.
Products	Query the available products in HubSpot.
SocialMediaMessages	Create and manage HubSpot social media messages.
TicketProperties	Get all of the properties for the ticket object type, along with the property definitions.
TicketPropertyGroups	Get all of the property groups for the specified Ticket object type.

Tickets	Get all tickets from a portal.
Workflows	Select and manage HubSpot workflows.

Companies

Companies may be kept track of in HubSpot just like contacts. They can be added to, updated, and removed from this table.

Table Specific Information

Companies in HubSpot represent different organizations you are interested in keeping track of for potential marketing opportunities. They are treated similarly like contacts and have a number of custom properties that will be dynamically determined and added to the Companies table from your HubSpot Hub.

Select

When selecting companies, they can only be filtered by the CompanyId and only one Company at a time. Otherwise they can be selected without a filter, which will cause all companies in your HubSpot account to be listed. For example:

```
SELECT * FROM Companies WHERE CompanyId = '123456789'
```

Columns

Name	Type	ReadOnly	References	Description
CompanyId [KEY]	Long	True		The id of the company in HubSpot.
IsDeleted	Boolean	True		A boolean indicating if the company is deleted.

OtherProperties	String	True	Other properties about the company will dynamically obtained at runtime and will vary depending on the company properties specific to your HubSpot HUB.
-----------------	--------	------	---

CompanyProperties

Company properties are the standard and custom pieces of field data that appear in HubSpot.

Table Specific Information

Company properties are a number of custom properties that are available to store data about the companies in your HubSpot Hub. Some of these properties are added by HubSpot and cannot be deleted. They will be automatically added to the [Companies](#) on a new connection.

Select

Company properties can only be filtered by the unique company property name. For example:

```
SELECT * FROM CompanyProperties WHERE Name = 'property_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the contact property. The name must contain only lowercase

				alphabetical characters and numbers and must start with a lowercase alphabetical character.
Label	<i>String</i>	False		The human readable label for the company property that will display in the HubSpot UI.
FieldType	<i>String</i>	False		<p>The type of field that will display on the screen for the company property.</p> <p>The allowed values are <i>textarea</i>, <i>select</i>, <i>text</i>, <i>date</i>, <i>file</i>, <i>number</i>, <i>radio</i>, <i>booleancheckbox</i>, <i>checkbox</i>.</p>
Type	<i>String</i>	False		<p>The stored machine type for the company property.</p> <p>The allowed values are <i>string</i>, <i>number</i>, <i>bool</i>, <i>datetime</i>, <i>enumeration</i>.</p>
GroupName	<i>String</i>	False	ContactPropertyGroups.Name	The group the company property is a part of.
Description	<i>String</i>	False		A description of what the property is for.
DisplayMode	<i>String</i>	False		How the property will be displayed.
DisplayOrder	<i>Integer</i>	False		The order in which the property should be displayed in relation to other properties in the same group.
ExternalOptions	<i>Boolean</i>	False		Boolean indicating if there are external options associate with

			the company property.
IsFormField	<i>Boolean</i>	False	Boolean indicating if the property is a field that is part of a form.
IsCalculated	<i>Boolean</i>	False	Boolean indicating if the property is calculated.
IsHidden	<i>Boolean</i>	False	Boolean indicating if the property is hidden.
IsHubspotDefined	<i>Boolean</i>	False	Boolean indicating if the property is defined by HubSpot.
MutableDefinitionNotDeletable	<i>Boolean</i>	False	Boolean indicating if the property can be modified but not deleted.
ReadOnlyDefinition	<i>Boolean</i>	False	Boolean indicating if the definition for the property is read only.
ReadOnlyValue	<i>Boolean</i>	False	Boolean indicating if the value of the property is read only.
OptionsAggregate	<i>String</i>	False	An aggregate of additional options for the property. Will have a value if the FieldType is radio, checkbox, or booleancheckbox.
ExtraUrlParameters	<i>String</i>	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

CompanyPropertyGroups

Company property groups in HubSpot offer a way of organizing individual types of properties for companies. Each company property must belong to a property group.

Table Specific Information

Company property groups offer a means of organizing the various custom properties that are available for defining properties about a given company. Company property groups may be selected, inserted, updated, or deleted from this table.

Select

Company property groups may only be filtered by the unique company property group name. For example:

```
SELECT * FROM CompanyPropertyGroups WHERE Name = 'property_group_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the contact property group.
DisplayName	String	False		The display name of the contact group.
DisplayOrder	Integer	False		The numerical order of the contact group with respect to other contact groups.
ExtraUrlParameters	String	True		An input only property for specifying additional parameters when selecting

data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

ContactLists

Contact lists in HubSpot can be used to group together contacts with similar characteristics.

Table Specific Information

Contact lists represent lists that contacts can be added to in order to more easily sort them. They can be either manual lists or dynamic lists. Contacts will be added to the list automatically when they are added to HubSpot based on some criteria.

Select

Contact lists can be filtered by ListId or by whether or not they are dynamic. For example:

```
SELECT * FROM ContactLists WHERE ListId = '123456789'
SELECT * FROM ContactLists WHERE IsDynamic = 'false'
```

Multiple ListIds may be specified together with an IN operator:

```
SELECT * FROM ContactLists WHERE ListId IN (1,2,3)
```

Columns

Name	Type	ReadOnly	References	Description
ListId [KEY]	Long	True		The unique id of the list.

Name	<i>String</i>	False	The name of the contact list.
CreatedAt	<i>DateTime</i>	True	When the contact list was created.
UpdatedAt	<i>DateTime</i>	True	When the contact list was last updated.
IsDynamic	<i>Boolean</i>	False	A boolean indicating if the contact list is dynamic.
FiltersAggregate	<i>String</i>	False	An aggregate of filters that a dynamic contact list uses to determine if a newly created contact should be added to the list.
InternalListId	<i>Long</i>	True	An internal id for the contact list.
LastProcessingStateChangeAt	<i>DateTime</i>	True	Metadata describing when the last processing state was changed.
ProcessingState	<i>String</i>	True	Metadata indicating the current stage of processing.
LastSizeChangeAt	<i>DateTime</i>	True	Metadata describing when the last time the contact list size was changed.
ListSize	<i>Long</i>	True	Metadata indicating the size of the contact list.
ExtraUrlParameters	<i>String</i>	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma

separated list. For instance,
'param1=value1,param2=value2,param3=value3'.

ContactProperties

Contact properties are the standard and custom pieces of field data that appear in HubSpot.

Table Specific Information

Contact properties are a number of custom properties that are available to store data about the contacts in your HubSpot Hub. Some of these properties are added by HubSpot and cannot be deleted. They will be automatically added to the [Contacts](#) on a new connection.

Select

Contact properties can only be filtered by the unique contact property name or group name. For example:

```
SELECT * FROM ContactProperties WHERE Name = 'property_name'  
SELECT * FROM ContactProperties WHERE GroupName = 'group_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the contact property. The name must contain only lowercase alphabetical characters and numbers and must start with a lowercase alphabetical

				character.
Label	<i>String</i>	False		The human readable label for the contact property that will display in the HubSpot UI.
FieldType	<i>String</i>	False		<p>The type of field that will display on the screen for the company property.</p> <p>The allowed values are <i>textarea</i>, <i>select</i>, <i>text</i>, <i>date</i>, <i>file</i>, <i>number</i>, <i>radio</i>, <i>checkbox</i>.</p>
Type	<i>String</i>	False		<p>The stored machine type for the company property.</p> <p>The allowed values are <i>string</i>, <i>number</i>, <i>bool</i>, <i>datetime</i>, <i>enumeration</i>.</p>
GroupName	<i>String</i>	False	ContactPropertyGroups.Name	The group the company property is a part of.
Description	<i>String</i>	False		A description of what the property is for.
DisplayMode	<i>String</i>	False		How the property will be displayed.
DisplayOrder	<i>Integer</i>	False		The order in which the property should be displayed in relation to other properties in the same group.
ExternalOptions	<i>Boolean</i>	False		Boolean indicating if there are external options associate with the company property.
IsFormField	<i>Boolean</i>	False		Boolean indicating if the property is a field that is part of

			a form.
IsCalculated	Boolean	False	Boolean indicating if the property is calculated.
IsHidden	Boolean	False	Boolean indicating if the property is hidden.
IsFavorited	Boolean	False	Boolean indicating if the property is favorited.
FavoritedOrder	Integer	False	The favorited order for this property.
MutableDefinitionNotDeleted	Boolean	False	Boolean indicating if the property can be modified but not deleted.
ReadOnlyDefinition	Boolean	False	Boolean indicating if the definition for the property is read only.
ReadOnlyValue	Boolean	False	Boolean indicating if the value of the property is read only.
OptionsAggregate	String	False	An aggregate of additional options for the property. Will have a value if the FieldType is radio, checkbox, or booleancheckbox.
ExtraUrlParameters	String	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

ContactPropertyGroups

Contact property groups in HubSpot offer a way of organizing individual types of properties for contacts. Each contact property must belong to a property group.

Table Specific Information

Contact property groups offer a means of organizing the various custom properties that are available for defining properties about a given contact. Contact property groups can be selected, inserted, updated, or deleted from this table.

Select

Contact property groups can only be filtered by the unique contact property group name. For example:

```
SELECT * FROM ContactPropertyGroups WHERE Name = 'property_group_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the contact property group.
DisplayName	String	False		The display name of the contact group.
DisplayOrder	Integer	False		The numerical order of the contact group with respect to other contact groups.
ExtraUrlParameters	String	True		An input only property for specifying additional parameters when selecting

data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Contacts

Your contacts in HubSpot may be used for marketing campaigns and can be retrieved, inserted, updated, and deleted from this table.

Table Specific Information

Contacts in HubSpot represent different contacts you are interested in keeping track of for potential marketing opportunities. Contacts are similar to companies: They both have a number of custom properties that will be dynamically determined and added to the table from your HubSpot Hub.

Select

When selecting contacts, they can only be filtered by the VID, Email, UserToken, ListId, or AssociatedCompanyId. However, most of these filters cannot be used at the same time. The accepted filters are illustrated below:

```
SELECT * FROM Contacts WHERE VID = 123456789
SELECT * FROM Contacts WHERE VID IN (123, 456)
SELECT * FROM Contacts WHERE VID > 123456789
SELECT * FROM Contacts WHERE Email = 'username@email.com'
SELECT * FROM Contacts WHERE Email IN ('username@email.com',
'user2@email.com')
SELECT * FROM Contacts WHERE UserToken = 'ABC123456'
SELECT * FROM Contacts WHERE SearchTerms = 'Contact Name'
SELECT * FROM Contacts WHERE ListId = '123456789'
SELECT * FROM Contacts WHERE AssociatedCompanyId = '123456789'
```

Update

You can update contacts, for example, Additional email addresses:

```
UPDATE [Contacts] SET [Additional email addresses] =
'testwork40@example.com;testwork41@example.com', [last name] = 'last
name 5' WHERE VID = 123456789
```

Columns

Name	Type	ReadOnly	References	Description
VID [KEY]	<i>Long</i>	True		The unique id for the contact.
ListId	<i>Long</i>	True		The list id the contact is a part of.
SearchTerms	<i>String</i>	True		An input only field representing potential searchterms you would like to specify when selecting contacts.
CanonicalVid	<i>Long</i>	True		The canonical vid associated with the contact.
ProfileToken	<i>String</i>	True		A token for the profile of the contact.
ProfileUrl	<i>String</i>	True		A url to the profile of the contact.

IdentityProfilesAggregate	<i>String</i>	True	An aggregate of identities associated with this contact if any.
FormSubmissionsAggregate	<i>String</i>	True	An aggregate of forms submitted by this contact if any.
MergeAuditsAggregate	<i>String</i>	True	An aggregate of merged audits associated with this contact.
MergedVidsAggregate	<i>String</i>	True	An aggregate of merged vids associated with this contact.
OtherProperties	<i>String</i>	True	Other properties about the contact will dynamically obtained at runtime and will vary depending on the contact properties specific to your HubSpot HUB.

ContactsInList

Retrieves the contacts in a given list in HubSpot. New contacts may be added to the list or removed from it. A ListId must be specified to retrieve the current contacts in the list.

Table Specific Information

Contacts in a given list can be selected, inserted, and removed from that list using this table.

Select

When selecting from [ContactsInList](#), the ListId must be specified in order to retrieve any results. For example:

```
SELECT * FROM ContactsInList WHERE ListId = '123456789'
```

Columns

Name	Type	ReadOnly	References	Description
VID [KEY]	Long	False		The unique id for the contact.
ListId [KEY]	Long	False		The list id the contact is a part of.
CanonicalVid	Long	True		The canonical vid associated with the contact.
ProfileToken	String	True		A token for the profile of the contact.
ProfileUrl	String	True		A url to the profile of the contact.
IdentityProfilesAggregate	String	True		An aggregate of identities

			associated with this contact if any.
FormSubmissionsAggregate	<i>String</i>	True	An aggregate of forms submitted by this contact if any.
MergeAuditsAggregate	<i>String</i>	True	An aggregate of merged audits associated with this contact.
MergedVidsAggregate	<i>String</i>	True	An aggregate of merged vids associated with this contact.
OtherProperties	<i>String</i>	True	Other properties about the contact will dynamically obtained at runtime and will vary depending on the contact properties specific to your HubSpot HUB.

CrmAssociations

Query the available CRM Associations in HubSpot.

Table Specific Information

The CrmAssociations table is used to manage associations between tickets, products, line items, and their related contacts, companies, and deals.

Select

Get the IDs of objects associated with the given object (FromObjectId), based on the specified association type (DefinitionId). See the [HubSpot API documentation](#) for a list of DefinitionIds. FromObjectId and DefinitionId are required. For example, to get the ticket IDs for all tickets associated with a contact record with vid 25, the FromObjectId would be 25, and the DefinitionId would be 15:

```
SELECT * FROM CrmAssociations WHERE FromObjectId='25' AND  
DefinitionId='15'
```

Insert

You would use insertion to associate a ticket with a contact, or to associate a line item object to a deal. When creating a new CRM Association FromObjectId, ToObjectId, Category (currently this must be 'HUBSPOT_DEFINED') and DefinitionId are required. For example:

```
INSERT INTO CrmAssociations (FromObjectId, ToObjectId, Category,  
DefinitionId) VALUES (496346, 176602, 'HUBSPOT_DEFINED',15)
```

Update

Updates are not supported for this table.

Delete

When deleting a CRM Association FromObjectId, ToObjectId, Category (currently this must be 'HUBSPOT_DEFINED') and DefinitionId are required. For example:

```
DELETE FROM CrmAssociations WHERE FromObjectId=496346 AND  
ToObjectId=176602 AND Category='HUBSPOT_DEFINED' AND DefinitionId=15
```

Columns

Name	Type	ReadOnly	References	Description

Results	<i>String</i>	True	The IDs of objects associated with the given object, based on the specified association type.
FromObjectId [KEY]	<i>Long</i>	False	The ID of the object being associated.
ToObjectId [KEY]	<i>Long</i>	False	The ID of the object the from object is being associated with.
Category [KEY]	<i>String</i>	False	The category of the association. Currently this must be 'HUBSPOT_DEFINED'.
DefinitionId [KEY]	<i>Long</i>	False	The ID of the association definition.

DealAssociations

Deal associations can be used to insert or delete individual associations with Deals.

Table Specific Information

Deal associations represent Company and Contact associations made with existing deals that may be modified.

Select

When selecting deal associations, they can only be filtered by the Id. For example:

```
SELECT * FROM DealAssociations WHERE DealId = 12345
```

Insert

New associations may be inserted by specifying the DealId, AssociationId, and the AssociationType during an INSERT statement. For example:

```
INSERT INTO DealAssociations (DealId, AssociationId, AssociationType)
VALUES (12345, 6789, 'COMPANY')
```

Delete

Associations may be removed by specifying the DealId, AssociationId, and the AssociationType during a DELETE statement. For example:

```
DELETE FROM DealAssociations WHERE DealId = 12345 AND AssociationId =
6789 AND AssociationType = 'COMPANY'
```

Columns

Name	Type	ReadOnly	References	Description
DealId [KEY]	Long	False	Deals .DealId	The Id of the deal.
AssociatedId [KEY]	Long	False		The Id of the associated entity.
AssociationType [KEY]	String	False		The type of association such as Company, or Contact.

DealProperties

Deal properties are the standard and custom pieces of field data that appear in HubSpot.

Table Specific Information

Deal properties are a number of custom properties that are available to store data about the deals in your HubSpot Hub. Some of these properties are added by HubSpot and cannot be deleted. They will be automatically added to the [Deals](#) on a new connection.

Select

Deal properties can only be filtered by the unique deal property name. For example:

```
SELECT * FROM DealProperties WHERE Name = 'property_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the contact property. The name must contain only lowercase alphabetical characters and numbers and must start with a lowercase alphabetical character.
Label	String	False		The human readable label for the contact property that will display in the HubSpot UI.
FieldType	String	False		The type of field that will display on the screen for the company property. The allowed values are <i>textarea</i> , <i>select</i> , <i>text</i> , <i>date</i> , <i>file</i> , <i>number</i> , <i>radio</i> , <i>checkbox</i> , <i>booleancheckbox</i> .
Type	String	False		The stored machine type for the

				company property. The allowed values are <i>string</i> , <i>number</i> , <i>bool</i> , <i>datetime</i> , <i>enumeration</i> .
GroupName	<i>String</i>	False	DealProperty Groups .Name	The group the company property is a part of.
Description	<i>String</i>	False		A description of what the property is for.
DisplayMode	<i>String</i>	False		How the property will be displayed.
DisplayOrder	<i>Integer</i>	False		The order in which the property should be displayed in relation to other properties in the same group.
ExternalOptions	<i>Boolean</i>	False		Boolean indicating if there are external options associate with the company property.
IsFormField	<i>Boolean</i>	False		Boolean indicating if the property is a field that is part of a form.
IsCalculated	<i>Boolean</i>	False		Boolean indicating if the property is calculated.
IsHidden	<i>Boolean</i>	False		Boolean indicating if the property is hidden.
IsDeleted	<i>Boolean</i>	True		Boolean indicating if the property has been deleted.
IsHubspotDefined	<i>Boolean</i>	True		Boolean indicating if the property is defined by HubSpot.

ShowCurrencySymbol	<i>Boolean</i>	False	Boolean indicating if the currency symbol should be shown. Only applicable for numbers.
MutableDefinitionNotDeleted	<i>Boolean</i>	False	Boolean indicating if the property can be modified but not deleted.
ReadOnlyDefinition	<i>Boolean</i>	False	Boolean indicating if the definition for the property is read only.
ReadOnlyValue	<i>Boolean</i>	False	Boolean indicating if the value of the property is read only.
OptionsUpdatable	<i>Boolean</i>	False	Boolean indicating if the options can be modified.
OptionsAggregate	<i>String</i>	False	An aggregate of additional options for the property. Will have a value if the FieldType is radio, checkbox, or booleancheckbox.
ExtraUrlParameters	<i>String</i>	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

DealPropertyGroups

Contact property groups in HubSpot offer a way of organizing individual types of properties for contacts. Each contact property must belong to a property group.

Table Specific Information

Deal property groups offer a means of organizing the various custom properties that are available for defining properties about a given deal. Deal property groups may be selected, inserted, updated, or deleted from this table.

Select

Deal property groups may only be filtered by the unique deal property group name. For example:

```
SELECT * FROM DealPropertyGroups WHERE Name = 'property_group_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	<i>String</i>	False		The name of the contact property group.
DisplayName	<i>String</i>	False		The display name of the contact group.
DisplayOrder	<i>Integer</i>	False		The numerical order of the contact group with respect to other contact groups.
ExtraUrlParameters	<i>String</i>	True		An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Deals

Your deals in HubSpot which may be used for making offers to potential customers.

Table Specific Information

Deals in HubSpot represent different organizations you are interested in keeping track of for potential marketing opportunities. They are treated similarly like contacts and have a number of custom properties that will be dynamically determined and added to the Deals table from your HubSpot Hub.

Select

When selecting deals, they can only be filtered by the DealId and only one Deal at a time. Otherwise they can be selected without a filter, which will cause all deals in your HubSpot account to be listed. For example:

```
SELECT * FROM Deals WHERE DealId = '123456789'
```

Columns

Name	Type	ReadOnly	References	Description
DealId [KEY]	Long	True		The unique id for the deal.
DealName	String	True		The name of the deal.
IsDeleted	Boolean	True		A boolean indicating if the deal has been deleted.
AssociatedCompanyIds	String	True		A comma

			separated list of company ids associated with the deal.
AssociatedDealIds	<i>String</i>	True	A comma separated list of other deals associated with this deal.
AssociatedVids	<i>String</i>	True	A comma separated list of contact ids associated with this deal.

EcommerceSettings

Retrieve the current ecommerce settings for your portal or app.

Table Specific Information

The Ecommerce Settings table is where you set up the property mappings for your use of the Ecommerce Bridge API.

Select

When selecting settings, they can only be filtered by the AppId and only one AppId at a time. Otherwise they can be selected without a filter, which will cause all settings in your HubSpot account to be listed. For example:

```
SELECT * FROM EcommerceSettings
```

```
SELECT * FROM EcommerceSettings WHERE AppId = '123456'
```

Columns

Name	Type	ReadOnly	References	Description
PropertyName	<i>String</i>	True		Name of the property.
DataType	<i>String</i>	True		Data type of the property. The allowed values are <i>STRING</i> , <i>NUMBER</i> , <i>DATETIME</i> , <i>AVATAR_IMAGE</i> .
TargetHubspotProperty	<i>String</i>	True		Name of the target property on Hubspot that this property represents.
Enabled	<i>Boolean</i>	True		Boolean value that shows if this representation of this property is enabled or not.
ImportOnInstall	<i>Boolean</i>	True		Boolean value that shows if this property should be imported during installation procedure.
SettingType	<i>String</i>	True		The type of the property. It can be: Product, Deal, LineItem or Contact

			The allowed values are <i>PRODUCT</i> , <i>DEAL</i> , <i>CONTACT</i> , <i>LINE_ITEM</i> .
AppId	String	True	The app ID in which the property is or will be imported.

EmailSubscriptions

The subscription types a given email is subscribed to. An email must be specified to return results. Subscriptions may be removed by deleting them.

Table Specific Information

Email subscriptions in HubSpot represent different types of subscriptions a given contact email may be subscribed to. When deleting an email subscription the contact will be opted out and will not receive emails from the specified subscription type(mailing group).

[EmailSubscriptions](#) lists the subscriptions a given email address is subscribed to.

Select

When selecting email subscriptions, an email must be provided. For example:

```
SELECT * FROM EmailSubscriptions WHERE Email = 'user@email.com'
```

Columns

Name	Type	ReadOnly	References	Description
Email [KEY]	String	True		The email address which has been subscribed.

SubscriptionId [KEY]	<i>Long</i>	True	The id of the subscription type.
IsSubscribed	<i>Boolean</i>	False	Boolean indicating if the customer is subscribed.
ExtraUrlParameters	<i>String</i>	False	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.
LegalBasis	<i>String</i>	False	<p>An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.</p> <p>The allowed values are <i>LEGITIMATE_INTEREST_PQL</i>, <i>LEGITIMATE_INTEREST_CLIENT</i>, <i>PERFORMANCE_OF_CONTRACT</i>, <i>CONSENT_WITH_NOTICE</i>, <i>NON_GDPR</i>, <i>PROCESS_AND_STORE</i>, <i>LEGITIMATE_INTEREST_OTHER</i>.</p>
LegalBasisExplanation	<i>String</i>	False	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

OptState	String	False	<p>Determines whether a contact is opted in or out of a given email subscription. If you OPT OUT of all emails or a specific email subscription type for a recipient, there is NO UNDO for this operation. The possible values are OPT_IN, OPT_OUT, and NOT_OPTED.</p> <p>The allowed values are <i>OPT_IN</i>, <i>OPT_OUT</i>, <i>NOT_OPTED</i>.</p>
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Engagements

Engagements represent any of a number of different types of engagements you have in HubSpot.

Table Specific Information

Engagements represent any of a number of different types of engagements you have in HubSpot. These can vary from simple Tasks, to Emails, Calls, Meetings, or others. Due to the different types of engagements available, any individual Engagement will have several columns that come back null due to its type.

Select

When selecting engagements, they can only be filtered by the Id. For instance:

```
SELECT * FROM Engagements WHERE Id = 12345
```

Insert and Update

When inserting Engagements, a Type must be specified. In addition, different fields are available on insert depending on the type used. The available fields for each type are as follows: CALL,EMAIL,MEETING,NOTE,PUBLISHING_TASK,TASK

- CALL: ToNumber, FromNumber, Body, DurationMilliseconds, Status, ExternalId,

ExternalAccountId, RecordingUrl, Disposition

- EMAIL: FromEmail, FromFirstName, FromLastName, ToEmail, Cc, Bcc, Subject, EmailHtml, EmailText
- MEETING: Body, StartTime, EndTime, Title
- PUBLISHING_TASK: Body, CampaignGuid, Category, CategoryId, State, Name
- TASK: Body, Status, ForObjectType

In addition, there are some common fields available when inserting or updating any type of Engagement. These include DateTime, AssociatedContacts, AssociatedCompanies, AssociatedDeals, AssociatedOwners, and AssociatedWorkflows. For instance:

```
INSERT INTO Engagements (DateTime, Type, Body, CampaignGuid, Category,
CategoryId, ContentId, State, Name, AssociatedContacts) VALUES
('1/1/2011', 'PUBLISHING_TASK', 'Cool Post with Topics', 'f43fe9fd-4082-
4a45-93d8-cb8a88f01654', 'BLOG_POST', 3, '2682673052', 'TODO', 'Test
Blog Task With topics 3', '234,567')
```

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	Long	True		The id of the engagement.
PortalId	Long	True		The portal id the engagement is associated with.
IsActive	Boolean	True		Boolean indicating if the engagement is active or not.
CreatedAt	DateTime	True		When the engagement was created.
UpdatedAt	DateTime	True		When the engagement was last updated.

CreatedBy	Long	True		User id of the user who created the engagement.
ModifiedBy	Long	True		User id of the user who lastmodified the engagement.
OwnerId	Long	False	Owners .OwnerId	The owner id of the engagement.
Type	String	False		The type of engagement. Required on inserts.
ActivityType	String	False		The activity type of engagement.
DateTime	Datetime	False		A custom datetime that can be specified when inserting the engagement. This can be used for keeping track of something related to the engagement such as when a call was made.
AssociatedContacts	String	False		A comma separated list of contact ids associated with the engagement.
AssociatedCompanies	String	False		A comma separated list of company ids associated with the engagement.
AssociatedDeals	String	False		A comma separated list of deal ids associated with the engagement.
AssociatedOwners	String	True		A comma separated list of owner ids associated with the engagement.
AssociatedWorkflows	String	False		A comma separated list of workflow ids associated with the engagement.
AssociatedTickets	String	False		A comma separated list of ticket ids associated with the engagement.

Attachments	<i>String</i>	False	The attachments associated with this engagement.
MessageId	<i>String</i>	False	The messageId of an engagement.
ThreadId	<i>String</i>	False	The threadId of an engagement.
Body	<i>String</i>	False	The body of an engagement. Only used when Type = NOTE, TASK, PUBLISHING_TASK, CALL, or MEETING.
Status	<i>String</i>	False	The status of the task. Only used when Type = TASK, CALL, MEETING.
ForObjectType	<i>String</i>	False	The object type the task is for. For instance, CONTACT. Only used when Type = TASK.
StartTime	<i>String</i>	False	The start date time for the meeting. Only used when Type = MEETING.
EndTime	<i>String</i>	False	The end date time for the meeting. Only used when Type = MEETING.
Title	<i>String</i>	False	The title of the meeting. Only used when Type = MEETING.
FromEmail	<i>String</i>	False	The from email in the engagement. Only used when Type = EMAIL.
FromFirstName	<i>String</i>	False	The first name the email was from in the engagement. Only used when Type = EMAIL.
FromLastName	<i>String</i>	False	The last name the email was from in the engagement. Only used when Type = EMAIL.

ToEmail	<i>String</i>	False	A comma separated list of emails the message was sent to. Only used when Type = EMAIL.
Cc	<i>String</i>	False	A comma separated list of cc'd email addresses. Only used when Type = EMAIL.
Bcc	<i>String</i>	False	A comma separated list of bcc'd email addresses. Only used when Type = EMAIL.
Subject	<i>String</i>	False	The subject of the email. Only used when Type = EMAIL.
EmailHtml	<i>String</i>	False	Html content consisting of the body of the email. Only used when Type = EMAIL.
EmailText	<i>String</i>	False	Plain text content consisting of the body of the email. Only used when Type = EMAIL.
CampaignGuid	<i>String</i>	False	The campaign guid of an engagement. Only used when Type = PUBLISHING_TASK.
Category	<i>String</i>	False	The category of the engagement. Used when Type = PUBLISHING_TASK.
CategoryId	<i>Integer</i>	False	The category id of the engagement. Used when Type = PUBLISHING_TASK.
ContentId	<i>String</i>	False	The content id of the engagement. Used when Type = PUBLISHING_TASK.
State	<i>String</i>	False	The state of the engagement. Used when Type = PUBLISHING_TASK.
Name	<i>String</i>	False	The name of the engagement. Used

			when Type = PUBLISHING_TASK.
ToNumber	String	False	The phone number that was called. Used when Type = CALL.
FromNumber	String	False	The phone number that was used as the from number. Used when Type = CALL.
ExternalId	String	False	For calls made in HubSpot, this will be the internal ID of the call. Used when Type = CALL.
DurationMillisecondsLong		False	The duration of the call in milliseconds. Used when Type = CALL.
ExternalAccountId	String	False	For calls made in HubSpot, this will be the internal ID of the account used to make the call. Used when Type = CALL.
RecordingUrl	String	False	The URL of the recording file . Used when Type = CALL.
Disposition	String	False	Internal GUID that corresponds to the Call Outcome. Used when Type = CALL.
MeetingOutcome	String	False	Meeting outcome. Used when TYPE = MEETING. The allowed values are: SCHEDULED, COMPLETED, RESCHEDULED, NO SHOW, CANCELED.
TaskType	String	False	Task type. Used when TYPE = TASK. The allowed values are: TODO, EMAIL, CALL.
ExtraUrlParameters	String	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the

parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Forms

Create and manage HubSpot Forms.

Table Specific Information

Forms represent the forms on your website that a user or contact can fill out, such as a survey.

Select

When selecting forms, they can only be filtered by GUID. For example:

```
SELECT * FROM Forms WHERE GUID='123456789'
```

Columns

Name	Type	ReadOnly	References	Description
GUID [KEY]	<i>String</i>	True		The unique key for the form.
Name	<i>String</i>	False		The name of the form.
Action	<i>String</i>	False		An action to execute when the form is submitted.

CSSClass	<i>String</i>	False	The CSS class associated with the form.
IsDeletable	<i>Boolean</i>	False	A boolean indicating if the form is deletable.
EmbeddedCode	<i>String</i>	False	Embedded javascript code included with the form.
FollowUpId	<i>String</i>	False	An Id to follow up with if available.
IgnoreCurrentValues	<i>Boolean</i>	False	A boolean indicating if current or default values should be ignored when submitting the form.
Method	<i>String</i>	False	The HTTP method to use when submitting the form.
MigratedFrom	<i>String</i>	True	Information about where the form was migrated from if available.
NotifyRecipients	<i>String</i>	False	Email address of recipients that should notified when the form is submitted.
PerformableHTML	<i>String</i>	False	HTML that should be performed on the form.
Redirect	<i>String</i>	False	A url to redirect the user to once the form has been submitted.
SubmitText	<i>String</i>	False	The submit button text.
CreatedAt	<i>DateTime</i>	True	When the form was created.
UpdatedAt	<i>DateTime</i>	True	When the form was last updated.

FormFieldGroupsAggregate	String	False	A collection of the groups of fields available in the form.
MetaDataAggregate	String	True	A collection of metadata about the form.
ExtraUrlParameters	String	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

LineItems

Query the available line items in HubSpot.

Table Specific Information

A line item represents a line in an order, containing details such as the product, quantity, and price for each line of an order.

Select

When selecting line items, they can be filtered by ID or by ID and IncludeDeleted. For example:

```
SELECT * FROM LineItems WHERE Id='123456789'
SELECT * FROM LineItems WHERE Id='123456789' AND IncludeDeleted='true'
```

Insert

When creating a new line item ProductId is required. You can also specify Name,Description,Price and Quantity. For example:

```
INSERT INTO LineItems (ProductId, Name,Description, Quantity,Price)
VALUES ('123', 'NameExample', 'DescriptionExample', '50', '1324')
```

Update

When updating line items, you can change non readOnly field by specifying the line item Id. For example:

```
UPDATE LineItems Set Name='UpdatedName', Description='Updated
description', Price=123 WHERE id = '123'
```

Delete

You can delete line items singularly by Id, or in batches. For example:

```
DELETE FROM LineItems WHERE Id = 123
DELETE FROM LineItems WHERE Id IN ( '123', '234')
```

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	<i>Long</i>	True		The internal ID for this line item.
Name	<i>String</i>	False		The name for the product for this line item.
Price	<i>String</i>	False		The price of the line item.
Quantity	<i>String</i>	False		The quantity of the line item.
Description	<i>String</i>	False		The description of the line

			item.
ProductId	<i>String</i>	False	The objectId of a product object, and represents the product being sold. It is required when you create a new line item.
Version	<i>Integer</i>	True	The current version of this line item. This is incremented each time the line item is updated.
IsDeleted	<i>Boolean</i>	True	Boolean indicating whether or not the line item is deleted. Deleted records will not be included unless you specifically request that deleted records be included.

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. For more information, see the WHERE clause section.

Name	Type	Description
IncludeDeleted	<i>String</i>	By default, deleted records will not be returned by the API. When selecting by Id, you can include this parameter to make sure that records are returned even when they are deleted

MarketingEmails

Create and manage HubSpot Marketing Emails.

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	Long	True		The id of the email.
RssToEmailTimingRepeats	String	False		['instant', 'daily', 'weekly', 'monthly']
RssToEmailTimingRepeatsOnMonth	Integer	False		What day of the month should the monthly email be sent [1-31].
RssToEmailTimingRepeatsOnWeek	Integer	False		What day of the week should the weekly email be sent [1=monday - 7=sunday].
RssToEmailTimingSummary	String	False		Description. Not used.
RssToEmailTimingTime	String	False		Time the email should be sent at.
Ab	Boolean	True		Whether or not the page is part of an AB test.
AbHoursToWait	Integer	False		On AB emails, if test results are inconclusive after the specified hours, variation A will be sent.
AbSampleSizeDefault	String	True		['MASTER', 'VARIANT'] if there are less than 1000

			recipients, only one variation will be sent.
AbSamplingDefault	<i>String</i>	False	['MASTER', 'VARIANT'] if AB test results are inconclusive in the test group, choose a variation to send (resp. A or B) to the remaining contacts.
AbStatus	<i>String</i>	False	['MASTER', 'VARIANT'] determines if the current email is variation A or variation B.
AbSuccessMetric	<i>String</i>	False	[CLICKS_BY_OPENS, CLICKS_BY_DELIVERED, OPENS_BY_DELIVERED] metric that will be used to determine the winning variation.
AbTestId	<i>String</i>	False	ID shared between variation A and B
AbTestPercentage	<i>Integer</i>	False	The size of the test group.
AbVariation	<i>Boolean</i>	False	Determines whether the email is a variant or not.
AbsoluteUrl	<i>String</i>	False	The URL of the web version of the email.
AllEmailCampaignIds	<i>String</i>	False	A list of email IDs that are associated with the email.

AnalyticsPageId	<i>String</i>	False	The ID used to access the analytics page of the email.
AnalyticsPageType	<i>String</i>	True	Always 'email' for an email.
Archived	<i>Boolean</i>	False	Determines whether the email is archived or not.
Author	<i>String</i>	True	The email of the user who made the last update to the email.
AuthorAt	<i>Datetime</i>	True	Timestamp of the last update to the email in milliseconds.
AuthorEmail	<i>String</i>	True	The email of the user who made the last update to the email.
AuthorName	<i>String</i>	True	The name of the user who made the last update to the email.
AuthorUserId	<i>Long</i>	True	ID of the user who made the last update to the email.
BlogEmailType	<i>String</i>	False	['instant', 'daily', 'weekly', 'monthly'] the cadence for how often blog emails should be sent.
Campaign	<i>String</i>	False	The ID of an email's marketing campaign.
CampaignName	<i>String</i>	False	The name of the email's

			marketing campaign.
CanSpamSettingsId	Long	False	ID used to retrieve the company address, shown in the footer.
CategoryId	Integer	True	The category ID value, which is always 2 for emails (read only).
ClonedFrom	Long	True	If the email was cloned, ID of the email it was cloned from.
ContentTypeCategory	Integer	True	The category ID value, which is always 2 for emails (read only).
CreatePage	Boolean	False	Enables a web version of the email when set to true.
Created	DateTime	True	The timestamp of the email's creation, in milliseconds.
CurrentlyPublished	Boolean	False	Determines the publish status of the email.
Domain	String	True	The domain of the web version of the email. Defaults to the primary domain.
EmailBody	String	False	The main content of the email within the 'main email body' module.
EmailNote	String	False	Optional email notes, included in the details

			page of the email.
EmailType	String	False	Type of the email.
FeedbackEmailCategory	String	False	['NPS', 'CES', 'CUSTOM'] If the email is a feedback email, determines type of feedback email.
FeedbackSurveyId	Long	False	The id of the feedback survey that is linked to the email.
FolderId	Long	False	If the email is in a folder, id of that folder.
FreezeDate	Datetime	False	The publish date or updated date if the email is not published.
FromName	String	False	The sender name recipients will see (linked to the replyTo address).
HtmlTitle	String	False	The page title of the web version of the email.
IsGraymailSuppressionEnabled	Boolean	False	If true, the email will not send to unengaged contacts.
IsLocalTimezoneSend	Boolean	False	If true, the email will adjust its send time relative to the recipients timezone.

IsPublished	<i>Boolean</i>	False	If true, the email is in a published state.
LiveDomain	<i>String</i>	True	Domain actually used in the web version (read only)
MailingListsExcluded	<i>String</i>	True	A list of all contact lists to exclude from the email send.
MailingListsIncluded	<i>String</i>	True	A list of all contact lists included in the email send.
MaxRssEntries	<i>Long</i>	False	In blog and recurring emails, the max number of entries to include.
MetaDescription	<i>String</i>	False	Meta description of the web version of the email, to drive search engine traffic to your page
Name	<i>String</i>	False	The name of the email, as displayed on the email dashboard.
PageExpiryDate	<i>Datetime</i>	False	The expiration date of the web version of an email, in milliseconds.
PageExpiryRedirectId	<i>Long</i>	False	The url of the page the user will be redirected to after the web version of the email expires.
PageRedirected	<i>Boolean</i>	False	Indicates if the email's

			web version has already been set to redirect
PortalId	<i>Long</i>	False	The id of the parent portal.
PreviewKey	<i>String</i>	False	The preview key used to generate the preview url before the email is published
ProcessingStatus	<i>String</i>	False	The email's processing status.
PublishDate	<i>Datetime</i>	False	The timestamp in milliseconds that the email has been published at, or scheduled to send at.
PublishImmediately	<i>Boolean</i>	False	True if the email is not scheduled but will send at publish time.
PublishedAt	<i>Datetime</i>	True	If the email has been published, the time when the publish button has been pressed.
PublishedById	<i>Long</i>	True	If the email has been published, email of the user that pressed the publish button.
PublishedByName	<i>String</i>	True	If the email has been published, name of the user that pressed the publish button.

PublishedUrl	<i>String</i>	True	AbsoluteUrl, only if the email is currentlyPublished
ReplyTo	<i>String</i>	False	The email address the recipient will see and reply to.
ResolvedDomain	<i>String</i>	True	The domain used in the web version: either the primary one or the one set in the domain field.
RssEmailAuthorLineTemplate	<i>String</i>	False	Text shown before the 'author_line' tag in blog and RSS email's items.
RssEmailBlogImageMaxWidth	<i>Integer</i>	False	The max width for blog post images in RSS emails.
RssEmailByText	<i>String</i>	False	If rssEmailAuthorLineTemplate is not set, word before the author name in blog and RSS email's items.
RssEmailClickThroughText	<i>String</i>	False	Text shown on the link to see the full post in blog and RSS email's items.
RssEmailCommentText	<i>String</i>	False	Text shown on the link to comment the post in blog and RSS email's items.
RssEmailEntryTemplate	<i>String</i>	False	Optional, custom template for every RSS

			entry.
RssEmailEntryTemplateEnabled	<i>Boolean</i>	False	Determines if the Entry Template is used for an RSS email.
RssEmailUrl	<i>String</i>	False	URL used for social sharing.
Slug	<i>String</i>	False	Path of the web version URL.
Subcategory	<i>String</i>	False	Subcategory.
Subject	<i>String</i>	False	The subject of the email.
Subscription	<i>Long</i>	False	The id of the email's subscription type.
SubscriptionBlogId	<i>Long</i>	False	For blog emails, id of the linked blog.
SubscriptionName	<i>String</i>	False	The name of the email's subscription type.
TemplatePath	<i>String</i>	False	The path of the email's body template within the design manager.
Transactional	<i>Boolean</i>	True	Determines whether the email is a transactional email or not.
UnpublishedAt	<i>Datetime</i>	False	The timestamp in milliseconds of when the email was unpublished.

Updated	<i>Datetime</i>	True	Timestamp of the last update in milliseconds.
UpdatedById	<i>Long</i>	True	The ID of the last user who updated the email.
Url	<i>String</i>	True	The web version URL
UseRssHeadlineAsSubject	<i>Boolean</i>	False	Setting for RSS emails, uses the latest RSS entry as the email subject.
Widgets	<i>String</i>	True	The content of layout sections of the email (widgets).
VidsExcluded	<i>String</i>	True	A list of contact IDs to exclude from being sent the email.
VidsIncluded	<i>String</i>	True	A list of contacts IDs to include in the email send.
WorkflowNames	<i>String</i>	True	A list of all linked workflows to this email.

Products

Query the available products in HubSpot.

Table Specific Information

Products are a foundational object in HubSpot CRM. Products represent goods or services sold by your company.

Select

When selecting products, they can be filtered by ID or by ID and IncludeDeleted. For example:

```
SELECT * FROM Products WHERE Id='123456789'  
SELECT * FROM Products WHERE Id='123456789' AND IncludeDeleted='true'
```

Insert

When creating products, you can specify Name, Description and Price. For example:

```
INSERT INTO Products (Name, Description, Price) VALUES ('NameExample',  
'This is a description', 1324)
```

Update

When updating products, you can change Name, Description and Price by specifying the product Id. For example:

```
UPDATE Products Set Name='UpdatedName', Description='Updated  
description', Price=123 WHERE id = '123'
```

Delete

You can delete products singularly by Id, or in batches. For example:

```
DELETE FROM Products WHERE Id = 123  
DELETE FROM Products WHERE Id IN ( '123', '234')
```

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	Long	True		The internal ID for this product.

Name	<i>String</i>	False	The name of the product.
SKU	<i>String</i>	False	The SKU of the product.
Price	<i>String</i>	False	The price of the product.
Description	<i>String</i>	False	The description of the product.
Version	<i>Integer</i>	True	The current version of the product. This is incremented each time the product is updated.
IsDeleted	<i>Boolean</i>	False	Boolean indicating whether or not the product is deleted. Deleted records will not be included unless you specifically request that deleted records be included.

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. For more information, see the WHERE clause section.

Name	Type	Description
IncludeDeleted	<i>String</i>	By default, deleted records will not be returned by the API. When selecting by Id, you can include this parameter to make sure that records are returned even when they are deleted

SocialMediaMessages

Create and manage HubSpot social media messages.

Table Specific Information

Social media messages can be submitted to your social media channels to make announcements about your products or company.

Select

When selecting social media messages, data can be filtered by the MessageGUID or by a combination of Status, ChannelGUID, and TriggerAt. For example:

```
SELECT * FROM SocialMediaMessages WHERE MessageGUID='123456789'
SELECT * FROM SocialMediaMessages WHERE Status='WAITING' AND
ChannelGUID='123456789' AND TriggerAt > '1/30/2015'
```

Note that TriggerAt can only be used with the > or >= comparison.

Columns

Name	Type	ReadOn ly	Referenc es	Description
MessageGUID [KEY]	String	True		The Id of the social media message.
ContentBody	String	False		The body of the content for the message.
ContentOriginalBody	String	False		The original body of the content for the message if it has been altered.
ContentPhotoUrl	String	False		The photo associated with the message.

ContentUncompressedLinks	String	False	Any uncompressed links associated with the message.
TriggerAt	DateTime	False	When to trigger the social media message.
Channel	String	True	The social media channel the message will be posted to.
ChannelGUID	String	False	The social media channel GUID.
CampaignGUID	String	True	The campaign GUID associated with the social media message.
CampaignName	String	True	The campaign name associated with the social media message.
Clicks	Long	True	The number of clicks HubSpot has recorded for the links in the social media message.
ClientTag	String	True	Client tags associated with the social media message.
CreatedAt	DateTime	True	When the social media message was created.
CreatedBy	Long	True	An integer indicating which user created the social media message.
FinishedAt	DateTime	True	When the social media message was finished posting.
ForeignId	String	True	An optional ForeignId associated with the social media message.
GroupGUID	String	True	The group GUID associated with the social media message.

IsFailed	<i>Boolean</i>	True	A boolean indicating if the message has failed to post.
IsPending	<i>Boolean</i>	True	A boolean indicating if the message is pending a post.
IsPublished	<i>Boolean</i>	True	A boolean indicating if the message has been posted.
IsRetry	<i>Boolean</i>	True	A boolean indicating if the message is being retried.
Message	<i>String</i>	True	The message that came back from the social media site if any. This may contain an error message if the social media message failed if the status is <code>ERROR_FATAL</code> .
MessageUrl	<i>String</i>	True	A url associated with the message that came back from the social media site. This may simply be a link to the social media posting if the status is <code>SUCCESS</code> .
RemoteContentId	<i>String</i>	True	A remote content id if any.
RemoteContentType	<i>String</i>	True	The remote content type if any.
Status	<i>String</i>	True	<p>The current status of the social media message.</p> <p>The allowed values are <code>SUCCESS</code>, <code>WAITING</code>, <code>CANCELED</code>, <code>ERROR_FATAL</code>.</p>
UpdatedBy	<i>Long</i>	True	An integer indicating who last updated the social media message.
ExtraUrlParameters	<i>String</i>	True	An input only property for

specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

TicketProperties

Get all of the properties for the ticket object type, along with the property definitions.

Table Specific Information

Ticket properties are a number of custom properties that are available to store data about the tickets in your HubSpot Hub. Some of these properties are added by HubSpot and cannot be deleted. They will be automatically added to the [Tickets](#) on a new connection.

Select

Ticket properties can only be filtered by the unique ticket property name. For example:

```
SELECT * FROM TicketProperties WHERE Name = 'property_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the ticket property. The name must contain only lowercase alphabetical characters and numbers and must start with a lowercase alphabetical character.

Label	<i>String</i>	False	The human readable label for the ticket property that will display in the HubSpot UI.
FieldType	<i>String</i>	False	<p>The type of field that will display on the screen for the company property.</p> <p>The allowed values are <i>textarea</i>, <i>select</i>, <i>text</i>, <i>date</i>, <i>file</i>, <i>number</i>, <i>radio</i>, <i>checkbox</i>.</p>
Type	<i>String</i>	False	<p>The stored machine type for the company property.</p> <p>The allowed values are <i>string</i>, <i>number</i>, <i>bool</i>, <i>datetime</i>, <i>enumeration</i>.</p>
GroupName	<i>String</i>	False	The group the company property is a part of.
Description	<i>String</i>	False	A description of what the property is for.
DisplayMode	<i>String</i>	False	How the property will be displayed.
DisplayOrder	<i>Integer</i>	False	The order in which the property should be displayed in relation to other properties in the same group.
ExternalOptions	<i>Boolean</i>	False	Boolean indicating if there are external options associate with the company property.
IsFormField	<i>Boolean</i>	False	Boolean indicating if the property is a field that is part of a form.
IsCalculated	<i>Boolean</i>	False	Boolean indicating if the property is calculated.

IsHidden	<i>Boolean</i>	False	Boolean indicating if the property is hidden.
IsFavorited	<i>Boolean</i>	False	Boolean indicating if the property is favorited.
FavoritedOrder	<i>Integer</i>	False	The favorited order for this property.
MutableDefinitionNotDeleted	<i>Boolean</i>	False	Boolean indicating if the property can be modified but not deleted.
ReadOnlyDefinition	<i>Boolean</i>	False	Boolean indicating if the definition for the property is read only.
ReadOnlyValue	<i>Boolean</i>	False	Boolean indicating if the value of the property is read only.
OptionsAggregate	<i>String</i>	False	An aggregate of additional options for the property. Will have a value if the FieldType is radio, checkbox, or booleancheckbox.
ExtraUrlParameters	<i>String</i>	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

TicketPropertyGroups

Get all of the property groups for the specified Ticket object type.

Table Specific Information

Ticket property groups offer a means of organizing the various custom properties that are available for defining properties about a given ticket. Ticket property groups can be selected, inserted, updated, or deleted from this table.

Select

Ticket property groups can only be filtered by the unique ticket property group name. For example:

```
SELECT * FROM TicketPropertyGroups WHERE Name = 'property_group_name'
```

Columns

Name	Type	ReadOnly	References	Description
Name [KEY]	String	False		The name of the contact property group.
DisplayName	String	False		The display name of the contact group.
DisplayOrder	Integer	False		The numerical order of the contact group with respect to other contact groups.
IsHubspotDefined	Boolean	True		Indicator whether or not this field is defined in the Hubspot.
ExtraUrlParameters	String	True		An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Tickets

Get all tickets from a portal.

Table Specific Information

Tickets, along with contacts, companies and deals, are a foundational object in HubSpot CRM. A ticket represents a customer request for help, support, service, or a response, and the responses generated in reply to this request. Tickets are similar to companies: They both have a number of custom properties that will be dynamically determined and added to the table from your HubSpot Hub.

Select

When selecting Tickets, they can only be filtered by the Id. The accepted filters are illustrated below:

```
SELECT * FROM Contacts WHERE Id = 123456789
SELECT * FROM Contacts WHERE Id IN (123, 456)
```

Columns

Name	Type	ReadOnly	References	Description
Id [KEY]	Long	False		The internal ID for this ticket.
PortalId	Long	False		The Portal or Hub ID that this object belongs to.
Version	Long	False		Version of the ticket.
IsDeleted	Boolean	False		Whether or not the ticket is deleted. Deleted records will

not be included unless you specifically request that deleted records be included.

Workflows

Select and manage HubSpot workflows.

Table Specific Information

Workflows are automated tasks in HubSpot. You can perform automated tasks with contacts by enrolling contacts in workflows.

Select

When selecting workflows, data may be filtered by the WorkflowId. For example:

```
SELECT * FROM Workflows WHERE WorkflowId='123456789'
```

Columns

Name	Type	Read Only	References	Description
Id [KEY]	Long	True		The Id of the workflow.
Name	String	False		The name of the workflow.
Description	String	False		A description of the workflow.
IsEnabled	Boole	False		A boolean indicating if this

	<i>an</i>		workflow is enabled.
CreatedAt	<i>DateTime</i>	True	When the workflow was created.
UpdatedAt	<i>DateTime</i>	True	When the workflow was last updated.
AllowContactToTriggerMultipleTimes	<i>Boolean</i>	False	A boolean indicating if the workflow can be triggered for the same contact multiple times.
CanEnrollFromSalesforce	<i>Boolean</i>	False	A boolean indicating if contacts can be enrolled to this workflow from Salesforce.
IsInternal	<i>Boolean</i>	False	A boolean indicating if the workflow is internal.
LegacyCampaignId	<i>Long</i>	False	The campaign id associated with the workflow if available.
LegacyMigration	<i>Boolean</i>	False	A boolean indicating if the workflow was migrated from the legacy lead nurturing tool.
IsListening	<i>Boolean</i>	False	A boolean indicating if the workflow is listening or active.
ContactListIdsCompleted	<i>Long</i>	True	The number of contacts that have been completed.
ContactListIdsEnrolled	<i>Long</i>	True	The number of contacts that have been enrolled.
ContactListIdsFailed	<i>Long</i>	True	The number of contacts that have failed in the workflow.
ContactListIdsSucceeded	<i>Long</i>	True	The number of contacts that

			have successfully completed the workflow.
NurtureTimeRangeEnabled	Boolean	False	A boolean indicating if this workflow is enabled for a nurture time range.
NurtureTimeRangeStartHour	Integer	False	The hour of day nurturing begins for this workflow.
NurtureTimeRangeStopHour	Integer	False	The hour of day nurturing ends for this workflow.
OnlyExecOnBizDays	Boolean	False	A boolean indicating if this workflow should only execute on standard business days.
StepsAggregate	String	False	An aggregate of the steps to take when executing this workflow.
SupressionSettingsAggregate	String	False	An aggregate of supression properties for this workflow.
TriggerSetsAggregate	String	False	An aggregate of trigger sets for this workflow.
TriggersAggregate	String	False	An aggregate of triggers for this workflow.
UnenrollmentSettingType	String	False	The type of unenrollment setting for this workflow.
UnenrollmentSettingExcludedWorkflowsAggregate	String	False	An workflows to exclude a contact from if they enroll in this workflow.
GoalListAggregate	String	False	An aggregate of goal ids for this workflow.

ExtraUrlParameters	<i>String</i>	True	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value 2,param3=value3'.
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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.

HubSpot Adapter Views

Name	Description
AnalyticsBreakdowns	Get analytics data broken down by the specified category.
AnalyticsContents	Get analytics data for your HubSpot hosted content. This would include your website and landing pages, as well as any blog pages hosted on HubSpot.
AnalyticsEventCompletions	Get analytics data for event completion objects.
AnalyticsForms	Get analytics data for form objects.

AnalyticsSessions	Get analytics data broken down by sessions.
AnalyticsSocialAssists	Get analytics data for social assist objects.
AnalyticsViews	Get the details for the analytics views set up in the portal.
BlogAuthors	Retrieve the available blog authors in HubSpot.
BlogPosts	Retrieve the available blog posts in HubSpot.
Blogs	Retrieve the available blogs in HubSpot.
BlogTopics	Retrieve the available blog topics in HubSpot.
Comments	Retrieve the available comments from your blog in HubSpot.
CompanyPropertiesHistory	A list of the historical values of the property.
ContactFormSubmissions	List of Contact's Form Submissions.
ContactIdentityProfiles	List of Contact's Identity profiles
ContactListMemberships	Returns the list memberships of contacts in HubSpot.
ContactPropertiesHistory	A list of the historical values of the property.
ContactStatistics	Basic contact statistics that can be retrieved from HubSpot such as the total number and when the last new contact was created.
DealPipelines	Deal pipelines may be used to organize what stages a given deal is on.
DealPipelineStages	The stages for a given Deal Pipeline.
DealPropertiesHistory	A list of the historical values of the property.
DealStages	The stages for a given Deal.

Domains	Retrieve the available domains in HubSpot.
EcommerceSyncErrors	Get errors from previously processed sync messages.
EmailCampaignEvents	The events associated with an email campaign or a recipient.
EmailCampaigns	Email campaigns in HubSpot allow you to keep track of email marketing campaigns.
EmailSubscriptionTypes	A list of email subscription types for a HubSpot hub.
EngagementScheduledTasks	List of tasks scheduled for an engagement.
EngagementsScheduledTasks	List of tasks scheduled for an engagement.
Events	Returns all of the event definitions in a given portal.
Files	Retrieves information about the available files in HubSpot.
Folders	Retrieves information about the available folders in HubSpot.
FormFields	Get fields of HubSpot Forms.
FormSubmissions	Get the submissions for the specified form.
Owners	Retrieve the owners in HubSpot.
Pages	Retrieve the available pages in HubSpot.
SocialMediaChannels	List available social media channels in HubSpot
Tasks	Retrieve task events for Calendar.
Templates	Retrieve the available templates in HubSpot.
UrlMappings	Retrieve the available url mappings in HubSpot.

AnalyticsBreakdowns

Get analytics data broken down by the specified category.

Table Specific Information

Get analytics data broken down by the specified category.

Select

When selecting analytics by breakdown category, they can only be filtered by the StartDate, EndDate, Granularity, BreakdownBy, Filter, FirstDrilldown, SecondDrilldown, Exclude, FilterId, Sort or SortDirection. Defaults to the Totals dimension. The filters must use an exact comparison. For example:

```
SELECT Totals FROM AnalyticsBreakdowns WHERE Granularity = 'total' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT Sources FROM AnalyticsBreakdowns WHERE Granularity = 'total' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT Geolocation FROM AnalyticsBreakdowns WHERE Granularity =
'monthly' AND StartDate = '12/1/2017' AND EndDate = '12/30/2018' AND
Filter = 'hubspot'
```

Columns

Name	Type	References	Description
Totals	<i>String</i>		Data will be the totals rolled up.
Sources	<i>String</i>		Data broken down by traffic source.
Geolocation	<i>String</i>		Data broken down by geographic location.
UtmCampaigns	<i>String</i>		Data broken down by the standard UTM campaigns parameter.
UtmContents	<i>String</i>		Data broken down by the standard

		UTM contents parameter.
UtmMediums	<i>String</i>	Data broken down by the standard UTM mediums parameter.
UtmSources	<i>String</i>	Data broken down by the standard UTM sources parameter.
UtmTerms	<i>String</i>	Data broken down by the standard UTM terms parameterpages.
FirstDrilldown	<i>String</i>	Used to drilldown into the data. This parameter is designed to reflect the functionality of the HubSpot sources reports.
SecondDrilldown	<i>String</i>	Used to further drill down into the data. Similar to FirstDrilldown, this reflects the functionality of the sources report.
BounceRate	<i>Double</i>	The rate of bounces.
ContactToCustomerRate	<i>Double</i>	The rate of contacts to customers.
Contacts	<i>Long</i>	The number of generated contacts.
Customers	<i>Long</i>	The number of generated customers.
Leads	<i>Long</i>	The number of leads.
MarketingQualifiedLeads	<i>Long</i>	The number of leads which are more likely to become customers.
NewVisitorSessionRate	<i>Double</i>	The session rate for new visitors.

Opportunities	<i>Long</i>	The number of opportunities.
PageviewsPerSession	<i>Double</i>	The ratio of page views over sessions.
RawViews	<i>Long</i>	The number of raw views.
SalesQualifiedLeads	<i>Long</i>	The number of prospective customers that are considered ready for the sales process.
SessionToContactRate	<i>Double</i>	The ratio of sessions over generated contacts.
Subscribers	<i>Long</i>	The number of subscribers.
TimePerSession	<i>Double</i>	The time per session.
Visitors	<i>Long</i>	The number of visitors.
Visits	<i>Long</i>	The number of visits.
BreakdownDate	<i>Date</i>	The start date of the time period for which the breakdown data are grouped. This column is applicable only for Granularity types: daily, weekly, monthly, summarize/daily, summarize/weekly and summarize/monthly.

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. For more information, see the WHERE clause section.

Name	Type	Description
StartDate	<i>Date</i>	The beginning value of the query range.
EndDate	<i>Date</i>	The ending value of the query range.
Granularity	<i>String</i>	The time period used to group the data. Must be one of: total, daily, weekly, monthly, summarize/daily, summarize/weekly, summarize/monthly.
Filter	<i>String</i>	Filter the returned data to include only the specified breakdown. This parameter can be included multiple times to filter for multiple breakdowns.
Exclude	<i>String</i>	Exclude data for the specified breakdown. This parameter can be included multiple times to exclude multiple breakdowns.
FilterId	<i>String</i>	The ID of an Analytics view. If included, the returned data will only include data that matches the view.

AnalyticsContents

Get analytics data for your HubSpot hosted content. This would include your website and landing pages, as well as any blog pages hosted on HubSpot.

Table Specific Information

Get analytics data for your HubSpot hosted content. This would include your website and landing pages, as well as any blog pages hosted on HubSpot.

Select

When selecting analytics by content type, they can only be filtered by the StartDate, EndDate, Granularity, ContentType, Filter, Exclude, FilterId, Sort or SortDirection. Defaults to the StandardPages dimension. The filters must use an exact comparison. For example:

```
SELECT LandingPages FROM AnalyticsContents WHERE Granularity = 'total'
AND StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT ListingPages FROM AnalyticsContents WHERE Granularity = 'total'
AND StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT BlogPosts FROM AnalyticsContents WHERE Granularity = 'total' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018' AND Filter =
'hubspot'
```

Columns

Name	Type	References	Description
LandingPages	String		Pull data for landing pages.
StandardPages	String		Pull data for website pages.
BlogPosts	String		Pull data for individual posts.
ListingPages	String		Pull data for blog listing pages.
KnowledgeArticles	String		Pull data for knowledge base articles.
AllPages	String		Get data for all URLs with data

		collected by HubSpot tracking code. The results are broken down by URL.
Contacts	<i>Long</i>	The total number of new contacts generated.
ContactsPerPageview	<i>Double</i>	The ratio of contacts to raw views.
CtaViews	<i>Long</i>	The number of CallsToAction views.
Entrances	<i>Long</i>	The number of entrances.
Exits	<i>Long</i>	The number of exits.
ExitsPerPageview	<i>Double</i>	The ratio of exits over page views.
Leads	<i>Long</i>	The number of leads.
PageBounceRate	<i>Double</i>	The rate of page bounces.
PageBounces	<i>Long</i>	The number of page bounces.
PageTime	<i>Long</i>	The time spent on page.
RawViews	<i>Long</i>	The number of raw views.
Submissions	<i>Long</i>	The number of submissions.

SubmissionsPerPageview	<i>Double</i>	The ratio of submissions over page views.
TimePerPageview	<i>Double</i>	The ratio of time over page views.
BreakdownDate	<i>Date</i>	The start date of the time period for which the breakdown data are grouped. This column is applicable only for Granularity types: daily, weekly, monthly, summarize/daily, summarize/weekly and summarize/monthly.

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. For more information, see the WHERE clause section.

Name	Type	Description
StartDate	<i>Date</i>	The beginning value of the query range.
EndDate	<i>Date</i>	The ending value of the query range.
Granularity	<i>String</i>	The time period used to group the data. Must be one of: total, daily, weekly, monthly, summarize/daily, summarize/weekly, summarize/monthly.
Filter	<i>String</i>	Filter the returned data to include only the specified breakdown. This parameter can be included multiple times to filter for multiple

		breakdowns.
Exclude	<i>String</i>	Exclude data for the specified breakdown. This parameter can be included multiple times to exclude multiple breakdowns.
FilterId	<i>String</i>	The ID of an Analytics view. If included, the returned data will only include data that matches the view.

AnalyticsEventCompletions

Get analytics data for event completion objects.

Table Specific Information

Get analytics data for event completion objects.

Select

When selecting analytics for event completions, they can only be filtered by the StartDate, EndDate, Granularity, Filter, Exclude, FilterId, Sort or SortDirection. The filters must use an exact comparison. For example:

```
SELECT * FROM AnalyticsEventCompletions WHERE Granularity = 'total' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT * FROM AnalyticsEventCompletions WHERE Granularity =
'summarize/weekly' AND StartDate = '12/1/2017' AND EndDate =
'12/30/2018'
```

Columns

Name	Type	References	Description
EventCompletions	<i>String</i>		Analytics data for event completions.

Completions	<i>Long</i>	The number of event completions.
BreakdownDate	<i>Date</i>	The start date of the time period for which the breakdown data are grouped. This column is applicable only for Granularity types: daily, weekly, monthly, summarize/daily, summarize/weekly and summarize/monthly.

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. For more information, see the WHERE clause section.

Name	Type	Description
StartDate	<i>Date</i>	The beginning value of the query range.
EndDate	<i>Date</i>	The ending value of the query range.
Granularity	<i>String</i>	The time period used to group the data. Must be one of: total, daily, weekly, monthly, summarize/daily, summarize/weekly, summarize/monthly.
Filter	<i>String</i>	Filter the returned data to include only the specified breakdown. This parameter can be included multiple times to filter for multiple breakdowns.
Exclude	<i>String</i>	Exclude data for the specified breakdown. This parameter can be included multiple times to exclude multiple breakdowns.

FilterId	<i>String</i>	The ID of an Analytics view. If included, the returned data will only include data that matches the view.
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AnalyticsForms

Get analytics data for form objects.

Table Specific Information

Get analytics data for form objects.

Select

When selecting analytics for forms, they can only be filtered by the StartDate, EndDate, Granularity, Filter, Exclude, FilterId, Sort or SortDirection. The filters must use an exact comparison. For example:

```
SELECT * FROM AnalyticsForms WHERE Granularity = 'summarize/monthly' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT * FROM AnalyticsForms WHERE Granularity = 'total' AND StartDate =
'12/1/2017' AND EndDate = '12/30/2018 AND Sort = 'FormViews''
```

Columns

Name	Type	References	Description
Forms	<i>String</i>		Analytics data for forms.
Completions	<i>Long</i>		The number of completions.
FormViews	<i>Long</i>		The number of times the form has been viewed.

Installs	<i>Long</i>	The number of installs.
Interactions	<i>Long</i>	The number of interactions.
Submissions	<i>Long</i>	The number of submissions.
Visibles	<i>Long</i>	The number of times the form has been visible.
BreakdownDate	<i>Date</i>	The start date of the time period for which the breakdown data are grouped. This column is applicable only for Granularity types: daily, weekly, monthly, summarize/daily, summarize/weekly and summarize/monthly.

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. For more information, see the WHERE clause section.

Name	Type	Description
StartDate	<i>Date</i>	The beginning value of the query range.
EndDate	<i>Date</i>	The ending value of the query range.
Granularity	<i>String</i>	The time period used to group the data. Must be one of: total, daily, weekly, monthly, summarize/daily, summarize/weekly, summarize/monthly.

Filter	<i>String</i>	Filter the returned data to include only the specified breakdown. This parameter can be included multiple times to filter for multiple breakdowns.
Exclude	<i>String</i>	Exclude data for the specified breakdown. This parameter can be included multiple times to exclude multiple breakdowns.
FilterId	<i>String</i>	The ID of an Analytics view. If included, the returned data will only include data that matches the view.

AnalyticsSessions

Get analytics data broken down by sessions.

Table Specific Information

Get analytics data broken down by sessions.

Select

When selecting analytics for event completions, they can only be filtered by the StartDate, EndDate, Granularity, Filter, FirstDrilldown, SecondDrilldown, Exclude, FilterId, Sort or SortDirection. The filters must use an exact comparison. For example:

```
SELECT * FROM AnalyticsSessions WHERE Granularity = 'total' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT * FROM AnalyticsSessions WHERE Granularity = 'monthly' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018' AND Filter =
'hubspot'
```

Columns

Name	Type	References	Description
------	------	------------	-------------

Sessions	<i>String</i>	Analytics data for sessions.
Desktop	<i>Long</i>	Desktop sessions.
DirectTraffic	<i>Long</i>	Direct sessions.
EmailMarketing	<i>Long</i>	Email marketing sessions.
Mobile	<i>Long</i>	Mobile sessions.
OrganicSearch	<i>Long</i>	Organic search sessions.
OtherCampaigns	<i>Long</i>	Other campaigns sessions.
Others	<i>Long</i>	Other sessions.
PaidSearch	<i>Long</i>	Paid search sessions.
PaidSocial	<i>Long</i>	Paid social sessions.
Referrals	<i>Long</i>	Referrals sessions.
SocialMedia	<i>Long</i>	Social media sessions.
FirstDrilldown	<i>String</i>	Used to drilldown into the data. This parameter is designed to reflect the functionality of the HubSpot sources reports.

SecondDrilldown	<i>String</i>	Used to further drill down into the data. Similar to FirstDrilldown, this reflects the functionality of the sources report.
BreakdownDate	<i>Date</i>	The start date of the time period for which the breakdown data are grouped. This column is applicable only for Granularity types: daily, weekly, monthly, summarize/daily, summarize/weekly and summarize/monthly.

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. For more information, see the WHERE clause section.

Name	Type	Description
StartDate	<i>Date</i>	The beginning value of the query range.
EndDate	<i>Date</i>	The ending value of the query range.
Granularity	<i>String</i>	The time period used to group the data. Must be one of: total, daily, weekly, monthly, summarize/daily, summarize/weekly, summarize/monthly.
Filter	<i>String</i>	Filter the returned data to include only the specified breakdown. This parameter can be included multiple times to filter for multiple breakdowns.
Exclude	<i>String</i>	Exclude data for the specified breakdown. This parameter can be included multiple times to

		exclude multiple breakdowns.
FilterId	<i>String</i>	The ID of an Analytics view. If included, the returned data will only include data that matches the view.

AnalyticsSocialAssists

Get analytics data for social assist objects.

Table Specific Information

Get analytics data for social assist objects.

Select

When selecting analytics for event completions, they can only be filtered by the StartDate, EndDate, Granularity, Filter, Exclude, FilterId, Sort or SortDirection. The filters must use an exact comparison. For example:

```
SELECT * FROM AnalyticsSocialAssists WHERE Granularity = 'total' AND
StartDate = '12/1/2017' AND EndDate = '12/30/2018'
SELECT * FROM AnalyticsSocialAssists WHERE Granularity =
'summarize/weekly' AND StartDate = '12/1/2017' AND EndDate =
'12/30/2018'
```

Columns

Name	Type	References	Description
SocialAssists	<i>String</i>		Analytics data for social assists.
RawViews	<i>Long</i>		The number of raw views.

BreakdownDate	<i>Date</i>	The start date of the time period for which the breakdown data are grouped. This column is applicable only for Granularity types: daily, weekly, monthly, summarize/daily, summarize/weekly and summarize/monthly.
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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. For more information, see the WHERE clause section.

Name	Type	Description
StartDate	<i>Date</i>	The beginning value of the query range.
EndDate	<i>Date</i>	The ending value of the query range.
Granularity	<i>String</i>	The time period used to group the data. Must be one of: total, daily, weekly, monthly, summarize/daily, summarize/weekly, summarize/monthly.
Filter	<i>String</i>	Filter the returned data to include only the specified breakdown. This parameter can be included multiple times to filter for multiple breakdowns.
Exclude	<i>String</i>	Exclude data for the specified breakdown. This parameter can be included multiple times to exclude multiple breakdowns.
FilterId	<i>String</i>	The ID of an Analytics view. If included, the returned data will only include data that matches the view.

AnalyticsViews

Get the details for the analytics views set up in the portal.

Columns

Name	Type	References	Description
Id [KEY]	Long		Id of the analytic view.
Title	String		Title of the analytic view.
CreatorId	Long		Id of the creator.
CreatedAt	Date		Date of the creation.
UpdaterId	Long		Id of the updater.
UpdatedDate	Date		Date of the update.
DeletedAt	Date		Date of the deletion.
ContainsLegacyReportProperties	Boolean		Determines if the view contains legacy report properties.
ReportPropertyFiltersAggregate	String		Report property filters of the analytic view.

BlogAuthors

Retrieve the available blog authors in HubSpot.

Table Specific Information

Blog authors represent the users in your HubSpot Hub that can make posts on your HubSpot blog.

Select

When selecting blog authors, they can only be filtered by the Id, FullName, CreatedAt, or Slug. CreatedAt can be used to specify a range while the others must be used with an exact comparison. For example:

```
SELECT * FROM BlogAuthors WHERE CreatedAt >= '1/1/2014' AND CreatedAt <= '10/31/2014'
SELECT * FROM BlogAuthors WHERE Slug = 'abc123'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the author.
FullName	String		The first and last name of the blog author.
CreatedAt	Datetime		When the blog author was first created.
Slug	String		The path appended to the blog URL at which the author page will live.
DeletedAt	Datetime		When the author was deleted.

Email	<i>String</i>	The email address of the blog author.
FacebookProfile	<i>String</i>	The blog author's Facebook page.
GooglePlusProfile	<i>String</i>	The blog author's Google Plus profile.
LinkedInProfile	<i>String</i>	The blog author's LinkedIn profile
TwitterProfile	<i>String</i>	The blog author's twitter handle.
AvatarUrl	<i>String</i>	A small photo or image of the blog author.
UserId	<i>Long</i>	The HubSpot user id of the blog author.
Username	<i>String</i>	The HubSpot username of the blog author.
Website	<i>String</i>	The blog author's web site.
UpdatedAt	<i>Datetime</i>	When the blog author was last updated.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

BlogPosts

Retrieve the available blog posts in HubSpot.

Table Specific Information

Blog posts represent the individual posts in your HubSpot blog.

Select

When selecting blog posts, they can only be filtered by the Id, BlogAuthorId, IsArchived, CampaignId, ContentGroupId, CreatedAt, DeletedAt, Name, Slug, and UpdatedAt columns. CreatedAt, DeletedAt, and UpdatedAt can be used with > and < where a range can be formed with CreatedAt and UpdatedAt. In addition, Name can be used with the LIKE comparison. All others must be used with an exact comparison. For example:

```
SELECT * FROM BlogPosts WHERE CreatedAt >= '1/1/2014' AND CreatedAt <= '10/31/2014'
SELECT * FROM BlogPosts WHERE UpdatedAt >= '1/1/2014' AND UpdatedAt <= '10/31/2014'
SELECT * FROM BlogPosts WHERE DeletedAt >= '1/1/2014'
SELECT * FROM BlogPosts WHERE Name LIKE 'My Post'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the blog post.
AuthorUserId	Long		The HubSpot user id of the blog author.
AuthorName	String		The HubSpot username of the blog author.

BlogAuthorId	<i>Long</i>	BlogAuthors.Id	The integer id of the blog author, look up via the blog authors end.
CampaignId	<i>String</i>	EmailCampaigns.Id	The guid of the marketing campaign this post is associated with.
ContentGroupId	<i>Long</i>		The id of the blog that this post belongs to. Get the id by looking at the blog API.
TopicIds	<i>String</i>		The individual topics the post is associated with.
CreatedAt	<i>Datetime</i>		When the post was first created.
DeletedAt	<i>Datetime</i>		When the post was deleted.
IsArchived	<i>Boolean</i>		If True, the post will not show up in your dashboard, although the post will still be live.
Name	<i>String</i>		The internal name of the blog post.
Slug	<i>String</i>		The path of the URL on which the post will live.
UpdatedAt	<i>Datetime</i>		When the post was last updated.
PublishedAt	<i>Datetime</i>		When the post was published.
PostSummary	<i>String</i>		The summary of the blog post that will appear on the main listing page.
PostBody	<i>String</i>		The HTML of the main post body.

Url	<i>String</i>	The full URL with domain and scheme to the blog post. Will return a 404 if the post is not yet published.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Blogs

Retrieve the available blogs in HubSpot.

Table Specific Information

Select

When selecting blogs, they can only be filtered by the Id, Name, and CreatedAt. CreatedAt can be used to specify a range. For example:

```
SELECT * FROM Blogs WHERE CreatedAt >= '1/1/2014' AND CreatedAt <= '10/31/2014'
SELECT * FROM Blogs WHERE Name = 'myblog'
```

Columns

Name	Type	References	Description
Id [KEY]	<i>Long</i>		The id of the blog.

Name	<i>String</i>	The internal name of the blog.
AllowComments	<i>Boolean</i>	Are comments enabled for the blog.
CommentShouldCreateContact	<i>Boolean</i>	Boolean indicating if an email address that is not listed in your HubSpot contacts creates a comment, should this user be automatically added to your HubSpot contacts.
CreatedAt	<i>Datetime</i>	When the post was first created.
HTMLTitle	<i>String</i>	The title in the title attribute of the page, shows up in the browsers title bar and as the title in Google search results.
Language	<i>String</i>	The language of the blog.
PostsPerListingPage	<i>Long</i>	The number of posts listed per page in the HTML viewable blog.
PostsPerRSSFeed	<i>Long</i>	The number of posts listed per page in the RSS feed for the blog.
PublicTitle	<i>String</i>	The header of the blog.
RootURL	<i>String</i>	The full URL with domain and scheme to the blog post.
ShowSocialLinkFacebook	<i>Boolean</i>	Boolean indicating if a social link for Facebook should be displayed on the blog.
ShowSocialLinkGoogle	<i>Boolean</i>	Boolean indicating if a social link for

		Google Plus should be displayed on the blog.
ShowSocialLinkLinkedIn	Boolean	Boolean indicating if a social link for LinkedIn should be displayed on the blog.
ShowSocialLinkTwitter	Boolean	Boolean indicating if a social link for Twitter should be displayed on the blog.
Slug	String	The path of the URL on which the post will live.
UpdatedAt	Datetime	When the post was last updated.
ExtraUrlParameters	String	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

BlogTopics

Retrieve the available blog topics in HubSpot.

Table Specific Information

Blog topics represent any number of topics a blog post can be posted under.

Select

When selecting blogs, they can only be filtered by the Id, Name, Slug, and CreatedAt. CreatedAt can be used to specify a range. For example:

```
SELECT * FROM BlogTopics WHERE CreatedAt >= '1/1/2014' AND CreatedAt <= '10/31/2014'
SELECT * FROM BlogTopics WHERE Name = 'mytopic'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The blog topic id.
CreatedAt	Datetime		When the topic was created
DeletedAt	Datetime		When the topic was deleted.
Description	String		A description of the topic.
Name	String		The name of the topic.
Slug	String		How the topic will appear in the url.
UpdatedAt	Datetime		When the topic was last updated.
ExtraUrlParameters	String		An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Comments

Retrieve the available comments from your blog in HubSpot.

Table Specific Information

Comments represent any comments that can be made on a given blog post.

Select

When selecting comments, they can only be filtered by the Id, State, PostId, and Comment. Comment can be used with the LIKE comparison. For example:

```
SELECT * FROM Comments WHERE Comment LIKE 'comment text'
SELECT * FROM Comments WHERE Id = '123456789'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the comment.
State	String		The current state of the comment. The allowed values are <i>APPROVED</i> , <i>SPAM</i> , <i>REJECTED</i> , <i>PENDING_MODERATION</i> .
PostId	Long	BlogPosts .Id	The id of the parent blog post.
Comment	String		The full text of the comment.
CommentAuthorEmail	String		Email address of the user submitting the comment.

CommentAuthorName	<i>String</i>	Name of the user submitting the comment.
ContentPermalink	<i>String</i>	A permanent link for the parent post of the comment.
ContentTitle	<i>String</i>	The title of the parent post for the comment.
CreatedAt	<i>Datetime</i>	When the comment was made.
DeletedAt	<i>Datetime</i>	When the comment was deleted.
FirstName	<i>String</i>	The first name of the user who made the comment.
LastName	<i>String</i>	The last name of the user who made the comment.
UserEmail	<i>String</i>	Email address of the user submitting the comment.
UserUrl	<i>String</i>	A url to the user's website if available.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

CompanyPropertiesHistory

A list of the historical values of the property.

Columns

Name	Type	References	Description
PropertyName	<i>String</i>		The name of the contact property.
Value	<i>String</i>		The historical value of the property.
Timestamp	<i>Datetime</i>		Datetime when the property was updated
Source	<i>String</i>		The method by which the property was changed
SourceId	<i>String</i>		Additional data related to the source-type. May not be populated for all source-types.
SourceVid	<i>String</i>		
CompanyId	<i>String</i>		The Id of the Company that the property belongs to.

ContactFormSubmissions

List of Contact's Form Submissions.

Table Specific Information

A list of form submissions for the contact. This list will be empty for records with no form submissions.

Select

Contact form submissions can only be filtered by the unique contact id. For example:

```
SELECT * FROM ContactFormSubmissions
SELECT * FROM ContactFormSubmissions WHERE ContactVID = '123456'
```

Columns

Name	Type	References	Description
ContactVID	Long	Contacts.VID	The unique id of the task.
FormId	String	Forms.GUID	The GUID of the form that the subission belongs to.
ConversionId	String		A Unique ID for the specific form conversion.
PortalId	Long		The Portal ID (Hub ID) that the submission belongs to
Timestamp	Datetime		The time the submission occurred.
Title	String		The title of the page that the form was submitted on.
PageId	Long	Pages.Id	Id of the page that the form was submitted on.
PageTitle	String		Title of the page that the form was submitted on.
PageURL	String		The URL that the form was submitted on.

ContactIdentityProfiles

List of Contact's Identity profiles

Table Specific Information

A list of objects representing the identities of the contact. Each identity represents an identifier for the object, many records will only have a single identity, but merged records may have multiple.

Select

Contact identity profiles can only be filtered by the unique contact id. For example:

```
SELECT * FROM ContactIdentityProfiles
SELECT * FROM ContactIdentityProfiles WHERE ContactVID = '123456'
```

Columns

Name	Type	References	Description
ContactVID	Long	Contacts.VID	The unique id for the contact.
Type	String		The type of the identity, one of EMAIL or LEAD_GUID.
Value	String		The value of the identity.
Timestamp	Datetime		Time when the identity was created.
SavedAt	Datetime		Time when the identity was last updated.

ContactListMemberships

Returns the list memberships of contacts in HubSpot.

Columns

Name	Type	References	Description
VID [KEY]	Long	Contacts.VID	The id of the contact on the list.
ListId [KEY]	Long	ContactLists .ListId	The static id of the list.
Email	String		The static id of the list.
TimeAddedToList	Datetime		The datetime when the contact was added to the list.

ContactPropertiesHistory

A list of the historical values of the property.

Columns

Name	Type	References	Description
VID	Long	Contacts.VID	The unique id for the contact.
PropertyName	String		The name of the contact property.
Value	String		The historical value of the property.

Timestamp	<i>Datetime</i>	Datetime when the property was updated
SourceType	<i>String</i>	The method by which the property was changed
SourceId	<i>String</i>	Additional data related to the source-type. May not be populated for all source-types.
SourceLabel	<i>String</i>	Additional data related to the source-type. May not be populated for all source-types.

ContactStatistics

Basic contact statistics that can be retrieved from HubSpot such as the total number and when the last new contact was created.

Columns

Name	Type	References	Description
LastNewContactAt	<i>String</i>		A datetime detailing when the last new contact was added.
Contacts	<i>String</i>		The total number of contacts.

DealPipelines

Deal pipelines may be used to organize what stages a given deal is on.

Table Specific Information

Deal pipelines represent different types of pipelines deals and be placed into to track their progress.

Select

When selecting deal pipelines, they can only be filtered by the PipelineId. For example:

```
SELECT * FROM DealPipelines WHERE PipelineId = 12345
```

Columns

Name	Type	References	Description
PipelineId [KEY]	String		The id of the pipeline.
PipelineName	String		The name of the pipeline.
IsActive	Boolean		A boolean indicating if the pipeline is active or not.
StagesAggregate	String		The stages in the pipeline.

DealPipelineStages

The stages for a given Deal Pipeline.

Table Specific Information

Deal pipeline stages represent the individual stages of a given pipeline that a Deal may currently be on.

Select

When selecting deal pipeline stages, they can only be filtered by the PipelineId. For example:

```
SELECT * FROM DealPipelineStages WHERE PipelineId = 12345
```

Columns

Name	Type	References	Description
PipelineId [KEY]	String	DealPipelines .PipelineId	The id of the pipeline.
StageId [KEY]	String		The id of the stage.
PipelineName	String		The name of the pipeline.
PipelineIsActive	Boolean		A boolean indicating if the pipeline is active or not.
StageName	String		The name of the stage.
StageIsActive	Boolean		A boolean indicating if the stage is active or not.
StageClosedWon	Boolean		A boolean indicating if the stage indicates that the deal was closed and won.
StageDisplayOrder	Integer		The display order of the stage in the deal.

StageProbability	Double	The estimated probability of closing the deal at this stage.
------------------	--------	--

DealPropertiesHistory

A list of the historical values of the property.

Columns

Name	Type	References	Description
SourceId	String		Additional data related to the source-type. May not be populated for all source-types.
SourceVid	String		A list of vids for related contacts. Only populated if related contacts caused the value to change.
PropertyName	String		The name of the deal property.
Value	String		The historical value of the property.
Timestamp	Datetime		Datetime when the property was updated
Source	String		The method by which the property was changed
DealId	Long		The Deal Id of the property.

DealStages

The stages for a given Deal.

Columns

Name	Type	References	Description
DealId [KEY]	Long	Deals .DealId	The id of the deal.
StageCreated [KEY]	Datetime		When the deal stage was created.
StageName	String		The name of the deal stage.
StageValue	String		The value of the deal stage.
StageSource	String		The source of the deal stage.
StageSourceId	String		The source id of the deal stage.

Domains

Retrieve the available domains in HubSpot.

Table Specific Information

Domains represent any domains you have registered with HubSpot to host your HubSpot blogs and content optimization system on.

Select

When selecting domains, they can only be filtered by the Id, CreatedAt, Domain, IsResolving, and PrimarySitePage columns. CreatedAt can be used with the > and < comparisons to form a range. For example:

```
SELECT * FROM Domains WHERE CreatedAt >= '1/1/2014' AND CreatedAt <= '10/31/2014'
SELECT * FROM Domains WHERE Id = '123456789'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the domain.
CreatedAt	Datetime		When the domain was first created.
Domain	String		The actual domain or subdomain.
IsAnyPrimary	Boolean		True if this domain is primary for any category.
IsDNSCorrect	Boolean		True if DNS for this domain is optimally configured for use with HubSpot.
IsLegacyDomain	Boolean		True is this domain is setup for use with the classic CMS.
IsResolving	Boolean		True if this domain is pointing to HubSpot servers.
ManuallyMarkedAsResolving	Boolean		True if a user manually marked this

		domain as resolving. This is needed when there is some unique setup or proxy server involved, and the COS can not automatically detect if the domain is properly resolving.
PrimaryBlogPost	<i>Boolean</i>	True if this domain is primary for COS blog posts.
PrimaryEmail	<i>Boolean</i>	True if this domain is primary for viewing emails as web page.
PrimaryLandingPage	<i>Boolean</i>	True if this domain is primary for COS landing pages.
PrimaryLegacyPage	<i>Boolean</i>	True if this domain is primary for the classic CMS.
PrimarySitePage	<i>Boolean</i>	True if this domain is primary for COS site pages.
SecondaryToDomain	<i>String</i>	The name of the domain that this domain redirects to. Only set for non-primary domains.
UpdatedAt	<i>Datetime</i>	When the domain was last updated.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

EcommerceSyncErrors

Get errors from previously processed sync messages.

Table Specific Information

Because sync messages are processed asynchronously, problems with processing are not surfaced at the time of submission. Instead, you can use the sync errors endpoint to retrieve all errors related to the processing of ecommerce data.

Select

When selecting sync errors, they can only be filtered by the AppId and only one AppId at a time. Otherwise they can be selected without a filter, which will cause all settings in your HubSpot account to be listed. For example:

```
SELECT * FROM EcommerceSyncErrors
```

```
SELECT * FROM EcommerceSyncErrors WHERE AppId='123456'
```

Columns

Name	Type	References	Description
PortalId	Long		The Id of the portal for this sync error.
ObjectType	String		The specific object type.
IntegratorObjectId	String		The ID, from your system, of the object that is being created or updated.
ChangeOccurredTimestamp	Datetime		The timestamp of the last change occurred.
ErrorTimestamp	Datetime		The timestamp of the error when occurred.

Type	<i>String</i>	The type of the error which classifies the error.
Details	<i>String</i>	Detailed description of the error.
Status	<i>String</i>	Status of the sync error.
AppId	<i>String</i>	The app ID in which the error occurred.

EmailCampaignEvents

The events associated with an email campaign or a recipient.

Table Specific Information

Email campaign events represent individual events that occurred during an email campaign. These are generally events such as a contact clicking on a link that was included in the email.

Select

Email campaign events may be filtered by RecipientEmail, AppId, CampaignId, Type, and CreatedAt. Email campaign events can also be retrieved one at a time by specifying both the Id and CreatedAt, but the CreatedAt datetime will need to be correct to the millisecond. For example:

```
SELECT * FROM EmailCampaignEvents
SELECT * FROM EmailCampaignEvents WHERE CreatedAt='9/23/2014 5:28:00.280 PM' AND Id='123456789'
SELECT * FROM EmailCampaignEvents WHERE CampaignId='14229773' AND AppId = '113' AND Type='CLICK' AND CreatedAt > '9/23/2014 1:28:00 PM' AND CreatedAt < '9/23/2014 7:29:00 PM'
```

Columns

Name	Type	References	Description
Id [KEY]	String		The Id of the email campaign event.
CampaignId	String	EmailCampaigns.Id	Campaign id of the email campaign associated with the event.
Type	String		<p>The type of event.</p> <p>The allowed values are <i>SENT, DROPPED, PROCESSED, DELIVERED, DEFERRED, BOUNCE, OPEN, CLICK, PRINT, FORWARD, STATUSCHANGE, SPAMREPORT</i>.</p>
RecipientEmail	String		Email address of the recipient associated with the event.
PortalId	Long		An ID referencing the HubSpot account that sent the email message. This will correspond to your account.
AppId	Long		An Id referencing the HubSpot Application which sent the email message.
AppName	String		The name of the HubSpot Application which sent the email message. Note that this is a derived value, and may be modified at any time.
CreatedAt	Datetime		When this event was created.
SentById	String		The Event Id which uniquely identifies the email message's SENT event.
SentByCreatedAt	Datetime		When the email message's SENT event. wick created.

ObsoletedById	<i>String</i>	The EventId which uniquely identifies the follow-on event which makes this current event obsolete.
ObsoletedByCreatedAt	<i>Datetime</i>	When the event which obsoleted the current event was created.
CausedById	<i>String</i>	The EventId which uniquely identifies the event which directly caused this event.
CausedByCreatedAt	<i>Datetime</i>	When the event which caused the current event was created.
Subject	<i>String</i>	The subject line of the email message.
From	<i>String</i>	The 'from' field of the email message.
ReplyTo	<i>String</i>	The 'reply-to' field of the email message.
Cc	<i>String</i>	The 'cc' field of the email message.
Bcc	<i>String</i>	The 'bcc' field of the email message.
DropReason	<i>String</i>	<p>The reason why the email message was dropped.</p> <p>The allowed values are <i>PREVIOUSLY_BOUNCED</i>, <i>PREVIOUS_SPAM</i>, <i>PREVIOUSLY_UNSUBSCRIBED_MESSAGE</i>, <i>PREVIOUSLY_UNSUBSCRIBED_PORTAL</i>, <i>INVALID_TO_ADDRESS</i>, <i>INVALID_FROM_ADDRESS</i>, <i>BLOCKED_DOMAIN</i>, <i>BLOCKED_ADDRESS</i>, <i>EMAIL_UNCONFIRMED</i>, <i>CAMPAIGN_CANCELLED</i>, <i>MTA_IGNORE</i>,</p>

		<i>PORTAL_OVER_LIMIT, PORTAL_SUSPENDED.</i>
DropMessage	<i>String</i>	The raw message describing why the email message was dropped. This will usually provide additional details beyond 'dropReason'.
Category	<i>String</i>	<p>The best-guess of the type of bounce encountered. If an appropriate category couldn't be determined, this property is omitted.</p> <p>The allowed values are <i>UNKNOWN_USER, MAILBOX_FULL, CONTENT, SPAM, POLICY, GREYLISTING, MAILBOX_MISCONFIGURATION, ISP_MISCONFIGURATION, DOMAIN_REPUTATION, DMARC, SENDING_DOMAIN_MISCONFIGURATION, TIMEOUT, THROTTLED, UNCATEGORIZED, IP_REPUTATION, DNS_FAILURE, TEMPORARY_PROBLEM.</i></p>
Response	<i>String</i>	The full response from the recipient's email server.
Smtpld	<i>String</i>	An ID attached to the message by HubSpot.
Attempt	<i>Integer</i>	The delivery attempt number.
Status	<i>String</i>	The status code returned from the recipient's email server.
DeviceType	<i>String</i>	The type of device used that triggered the event if available.
HMID	<i>String</i>	A randomly-generated Id which

		corresponds to the header 'X-HubSpot-MID' in the email message.
Referer	<i>String</i>	The URL of the webpage that linked to the URL clicked. Whether this is provided, and what its value is, is determined by the recipient's email client.
Url	<i>String</i>	The URL within the message that the recipient clicked.
UserAgent	<i>String</i>	The user agent responsible for the event.
BrowserFamily	<i>String</i>	The family of the browser that serviced the event.
BrowserName	<i>String</i>	The name of browser that serviced the event.
BrowserProducer	<i>String</i>	The producer of browser that serviced the event.
BrowserProducerUrl	<i>String</i>	A url to the producer of the browser if available.
BrowserType	<i>String</i>	The type of browser that produced the event.
BrowserUrl	<i>String</i>	A url to an entry describing the browser if available.
BrowserVersion	<i>String</i>	The versionof browser used.
LocationCity	<i>String</i>	The city where the event occurred.
LocationCountry	<i>String</i>	The country where the event occurred.

LocationState	<i>String</i>	The state where the event occurred.
FilteredEvent	<i>Boolean</i>	A boolean representing whether the event has been filtered out of reporting based on customer reports settings or not.
Source	<i>String</i>	<p>The source of the subscription change.</p> <p>The allowed values are <i>SOURCE_LIST_UNSUBSCRIBE</i>, <i>SOURCE_RECIPIENT</i>, <i>SOURCE_IMPORT</i>, <i>SOURCE_HUBSPOT_CUSTOMER</i>, <i>SOURCE_SPAM_REPORT</i>, <i>SOURCE_NON_DELIVERY_REPORT</i>, <i>SOURCE_DIRECT_COMPLAINT</i>, <i>SOURCE_MTA_RECORD</i>, <i>SOURCE_HUBSPOT</i>, <i>SOURCE_MIGRATION</i>, <i>SOURCE_HUBSPOT_CLEANUP</i>, <i>SOURCE_KNOWN_SPAM_TRAP</i>.</p>
RequestedBy	<i>String</i>	The email address of the person requesting the change on behalf of the recipient.
Subscriptions	<i>String</i>	The status of subscriptions for the recipient.
PortalSubscriptionStatus	<i>String</i>	<p>The recipient's portal subscription status.</p> <p>The allowed values are <i>SUBSCRIBED</i>, <i>UNSUBSCRIBED</i>.</p>
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

EmailCampaigns

Email campaigns in HubSpot allow you to keep track of email marketing campaigns.

Table Specific Information

Email campaigns in HubSpot represent email marketing campaigns you may send to many different contacts.

Select

Email campaign data can only be retrieved from HubSpot via a direct request for a specific HubSpot id. To retrieve all campaigns, first all campaign ids must be retrieved. Then one request for individual campaign data at a time must be submitted. These requests are done automatically, but because of the number of individual requests made for data, this can cause for slow response times.

When selecting email campaigns, may be filtered by the Id. For example:

```
SELECT * FROM EmailCampaigns WHERE Id = '123456789'
```

The LastUpdatedTime will not normally be return with a value. It will only come back when specifying WHERE LastUpdatedTime > 'value'. This will trigger a request to HubSpot for recently modified EmailCampaigns. However, be aware that HubSpot only provides a way to retrieve recently modified EmailCampaigns. Not all campaigns that match the criteria may be returned.

Columns

Name	Type	References	Description
Id [KEY]	String		The Id of the email campaign.
AppName	String		The name of the app associated with the

		email campaign.
AppId	<i>Long</i>	The Id of the app associated with the email campaign.
LastUpdatedTime	<i>Datetime</i>	When the email campaign was last updated.
Name	<i>String</i>	The name of the campaign.
ContentId	<i>Long</i>	The ContentId of the email campaign.
NumberBounced	<i>Long</i>	The number bounced.
NumberClick	<i>Long</i>	The number of clicks.
NumberDeferred	<i>Long</i>	The number deferred.
NumberDelivered	<i>Long</i>	The number delivered.
NumberDropped	<i>Long</i>	The number dropped.
NumberIncluded	<i>Long</i>	The number included.
NumberMTADropped	<i>Long</i>	The number mta dropped.
NumberOpen	<i>Long</i>	The number open.
NumberProcessed	<i>Long</i>	The number processed.

NumberQueued	<i>Long</i>	The number queued.
NumberSent	<i>Long</i>	The number sent.
NumberStatusChanged	<i>Long</i>	The number where the status was changed.
NumberUnsubscribed	<i>Long</i>	The number unsubscribed.
ProcessingState	<i>String</i>	The processing state of the email campaign.
Type	<i>String</i>	The type of email campaign.
SubType	<i>String</i>	The subtype of the email campaign.
Subject	<i>String</i>	The subject of the email campaign.
LastProcessingStartedAt	<i>Datetime</i>	Last date the email campaign last began processing at.
LastProcessingFinishedAt	<i>Datetime</i>	When the email campaign last finished processing at.
LastProcessingStateChangeAt	<i>Datetime</i>	The last time the email campaign's processing state changed.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

EmailSubscriptionTypes

A list of email subscription types for a HubSpot hub.

Table Specific Information

Email subscription types in HubSpot represent different types of subscriptions a contact could be subscribed to.

Select

When selecting email subscriptions types, there are no filters that may be used. It is simply a list of all of the available subscription types. For example:

```
SELECT * FROM EmailSubscriptionTypes
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The Id of the email subscription type.
Name	String		The name of the email subscription type.
IsActive	Boolean		Whether or not the email subscription type is active.
Description	String		A description for the email subscription type.
ExtraUrlParameters	String		An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as

name=value pairs in a comma separated list.
For instance,
'param1=value1,param2=value2,param3=valu
e3'.

EngagementScheduledTasks

List of tasks scheduled for an engagement.

Table Specific Information

EngagementScheduledTasks represent a list of scheduled tasks for the engagements you have in HubSpot.

Select

When selecting engagement scheduled tasks, they can only be filtered by the EngagementId. For instance:

```
SELECT * FROM EngagementScheduledTasks  
SELECT * FROM EngagementScheduledTasks WHERE EngagementId = 12345
```

Columns

Name	Type	References	Description
EngagementId	Long		The id of the engagement.
UUID	String		The scheduled task's unique Id.
PortalId	Long		The portal id the engagement is associated with.

EngagementType	<i>String</i>	The type of engagement.
TaskType	<i>String</i>	The type of the scheduled task.
Timestamp	<i>Datetime</i>	Time when the task was scheduled.

EngagementsScheduledTasks

List of tasks scheduled for an engagement.

Table Specific Information

EngagementsScheduledTasks represent a list of scheduled tasks for the engagements you have in HubSpot.

Select

When selecting engagements' scheduled tasks, they can only be filtered by the EngagementId. For instance:

```
SELECT * FROM EngagementsScheduledTasks
SELECT * FROM EngagementsScheduledTasks WHERE EngagementId = 12345
```

Columns

Name	Type	References	Description
EngagementId	<i>Long</i>		The id of the engagement.
UUID	<i>String</i>		The scheduled task's unique Id.

PortalId	<i>Integer</i>	The portal id the engagement is associated with.
EngagementType	<i>String</i>	The type of engagement.
TaskType	<i>String</i>	The type of the scheduled task.
Timestamp	<i>Datetime</i>	Time when the task was scheduled.

Events

Returns all of the event definitions in a given portal.

Columns

Name	Type	References	Description
Id [KEY]	<i>String</i>		The unique id for the event.
Name	<i>String</i>		The name of the event.
Label	<i>String</i>		The label of the event.
Status	<i>String</i>		The status of the event.

Files

Retrieves information about the available files in HubSpot.

Table Specific Information

Files represent any files you have uploaded with HubSpot to your content optimization system.

Select

When selecting files, they can only be filtered by the Id, Name, AltKey, IsArchived, CreatedAt, DeletedAt, Extension, FolderId, and Type. Name can be used with the LIKE comparison. Type can be used with both = and <>. CreatedAt and DeletedAt can be used with the > and < comparisons but cannot form a range. For example:

```
SELECT * FROM Files WHERE CreatedAt >= '1/1/2014'
SELECT * FROM Files WHERE DeletedAt <= '1/1/2014'
SELECT * FROM Files WHERE Type <> 'IMG'
SELECT * FROM Files WHERE Name LIKE 'filename'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The unique id of the file.
Name	String		The internal name of the file.
FriendlyUrl	String		A full url to the file that can be used from a web browser to view or download the file.
AltKey	String		An alternative file key. This is used for creating the 'alt_url', which is a url for the file that does not include the file id. This is useful if you need to upload a collection of files where their relative location needs to be preserved.

AltUrl	<i>String</i>		The alternative file URL, without the auto-generated file id in it. This is generated by concatenating the alt_key to the base CDN url.
IsArchived	<i>Boolean</i>		If True, the file will not show up in your dashboard, although the file will still be live.
CreatedAt	<i>Datetime</i>		When the file was first created.
DeletedAt	<i>Datetime</i>		When the file was deleted.
Extension	<i>String</i>		The extension of the file.
FolderId	<i>Long</i>	Folders.Id	The id of the folder this file is in.
RSUploadedAt	<i>Datetime</i>		When the file was uploaded via RS.
S3UploadedAt	<i>Datetime</i>		When the file was uploaded via S3.
Size	<i>Long</i>		The size in bytes of the file.
IsSynced	<i>Boolean</i>		A boolean indicating if this is a CTA image.
Title	<i>String</i>		The title of the file.
Type	<i>String</i>		A string enum for type of the file. The allowed values are <i>IMG</i> , <i>TEXT</i> , <i>DOCUMENT</i> , <i>OTHER</i> .

UpdatedAt	<i>Datetime</i>	When the file was last updated.
Version	<i>Double</i>	The version of the file.
Height	<i>Integer</i>	For images only, the height in pixels of the image.
Width	<i>Integer</i>	For images only, the width in pixels of the image.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Folders

Retrieves information about the available folders in HubSpot.

Table Specific Information

Folders represent any folders you can upload files to in your content optimization system within HubSpot.

Select

When selecting folders, they can only be filtered by the Id, DeletedAt, Name, and ParentFolderId. Name can be used with the LIKE comparison. DeletedAt can be used with the > and < comparisons but cannot form a range. For example:

```
SELECT * FROM Folders WHERE DeletedAt >= '1/1/2014' AND DeletedAt <= '10/1/2014'
```



```
SELECT * FROM Folders WHERE Name LIKE 'foldername'
SELECT * FROM Folders WHERE Id = '123456798'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the folder.
Category	Integer		The category of the folder.
CreatedAt	Datetime		When the folder was created.
DeletedAt	Datetime		When the folder was deleted.
FullPath	String		The full path to the folder.
Name	String		The name of the folder.
ParentFolderId	Long	Folders.Id	The id of the parent folder for this folder if available.
UpdatedAt	Datetime		When the folder was last updated.
ExtraUrlParameters	String		An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

FormFields

Get fields of HubSpot Forms.

Table Specific Information

FormFields represent the fields contained in a form on your website.

Select

When selecting form fields, they can only be filtered by FormGUID. For example:

```
SELECT * FROM FormFields WHERE FormGUID='123456789'
SELECT * FROM FormFields WHERE FormGUID IN ('123456789', '121314515')
```

Columns

Name	Type	References	Description
FormGUID	String		The unique key for the form.
Name	String		The name of the field.
DefaultValue	String		The default value of the field.
Required	Boolean		Boolean indicating wether the field is required in the form.
Enabled	Boolean		Boolean indicating wether the field is enabled.
IsSmartField	Boolean		Boolean indicating wether this is a smart field.

Label	<i>String</i>	Label of the field.
GroupName	<i>String</i>	Name of the group the field belongs to.
SelectedOptions	<i>String</i>	The selected options for the field.
FieldType	<i>String</i>	Type of the field.
Hidden	<i>Boolean</i>	Boolean indicating wether the field is hidden.
Validation	<i>String</i>	
Type	<i>String</i>	Value type of the field.
Options	<i>String</i>	Field options
DisplayOrder	<i>Int</i>	Display order of the field

FormSubmissions

Get the submissions for the specified form.

Table Specific Information

Select

When selecting form submissions, they can only be filtered by FormGUID. For example:

```
SELECT * FROM FormSubmissions WHERE FormGUID='123456789'
SELECT * FROM FormSubmissions WHERE FormGUID IN ('123456789',
'121314515')
```

Columns

Name	Type	References	Description
FormGUID	<i>String</i>		The unique key for the form.
PageUrl	<i>String</i>		Url of the page.
SubmittedAt	<i>Datetime</i>		Submitted time.
Name	<i>String</i>		Name of the submission.
Value	<i>String</i>		Value of the submission.

Owners

Retrieve the owners in HubSpot.

Columns

Name	Type	References	Description
OwnerId [KEY]	<i>Long</i>		The id of the owner.

PortalId	<i>Long</i>	The portal id the owner is associated with.
Type	<i>String</i>	The type of user.
FirstName	<i>String</i>	The first name of the owner.
LastName	<i>String</i>	The last name of the owner.
Email	<i>String</i>	The email address for the owner.
CreatedAt	<i>Datetime</i>	The when the owner was created.
UpdatedAt	<i>Datetime</i>	The when the owner was last updated.
RemoteListAggregate	<i>String</i>	Remote list information for the owner.
IncludeInactive	<i>Boolean</i>	If specified as true, include inactive owners.

Pages

Retrieve the available pages in HubSpot.

Table Specific Information

Pages represent any pages you have published with the HubSpot content optimization system.

Select

When selecting pages, they can only be filtered by the Id, IsArchived, CampaignId, CreatedAt, DeletedAt, IsDraft, Name, PublishDate, Slug, Subcategory, and UpdatedAt. CreatedAt, UpdatedAt and PublishDate may be used with > and < to form a range. DeletedAt can be used with the > and < comparisons but cannot form a range. For example:

```
SELECT * FROM Pages WHERE CreatedAt >= '1/1/2014' AND CreatedAt <= '10/1/2014'
SELECT * FROM Pages WHERE UpdatedAt >= '1/1/2014' AND UpdatedAt <= '10/1/2014'
SELECT * FROM Pages WHERE PublishDate >= '1/1/2014' AND PublishDate <= '10/1/2014'
SELECT * FROM Pages WHERE DeletedAt >= '1/1/2014'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the page.
IsArchived	Boolean		If True, the page will not show up in your dashboard, although the page will still be live.
CampaignId	String	EmailCampaigns.Id	The guid of the marketing campaign this page is associated with.
CampaignName	String	EmailCampaigns.Name	The name of the marketing campaign this page is associated with.
CreatedAt	Datetime		When the page was created.
CurrentLiveDomain	String		The domain this page is currently located on.

DeletedAt	<i>Datetime</i>	When the page was deleted.
FooterHTML	<i>String</i>	Custom HTML for embed codes, javascript that should be placed before the body tag of the page
HeaderHTML	<i>String</i>	Custom HTML for embed codes, javascript, etc. that goes in the head tag of the page
IsDraft	<i>Boolean</i>	True if the post is still a draft, invisible to the public. Gets changed when the /publish-action API endpoint is called.
MetaDescription	<i>String</i>	A description that goes in meta tag on the page
MetaKeywords	<i>String</i>	Keywords for the meta tag.
Name	<i>String</i>	The internal name of the page.
Password	<i>String</i>	Set this to create a password protected page. Entering the password will be required to view the page.
PublishDate	<i>Datetime</i>	The date the page is to be published at in milliseconds since the unix epoch.
Slug	<i>String</i>	The path of the URL on which the page will live. Changing this will change the URL.
StyleOverrideId	<i>String</i>	The ID of the style to use for this page, set this to use a different style than the default style for the site.
Subcategory	<i>String</i>	This is set to empty or to

UpdatedAt	<i>Datetime</i>	When the page was last updated.
Url	<i>String</i>	The full URL with domain and scheme to the page. Will return a 404 if the page is not yet published.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

SocialMediaChannels

List available social media channels in HubSpot

Table Specific Information

Social media channels in HubSpot represent any social media accounts you have connected for the purposes of posting marketing messages to. Messages can be posted to your social media channels via [SocialMediaMessages](#).

Select

When selecting social media channels, data can only be filtered by the ChannelGUID. For example:

```
SELECT * FROM SocialMediaChannels WHERE ChannelGUID='123456789'
```

Columns

Name	Type	References	Description
------	------	------------	-------------

ChannelGUID [KEY]	<i>String</i>	The social media channel GUID.
AccountGUID	<i>String</i>	The account GUID associated with the social media channel.
AccountSlug	<i>String</i>	The account slug.
AccountType	<i>String</i>	The type of account.
IsActive	<i>Boolean</i>	A boolean indicating if the channel is active.
AutoPublish	<i>Boolean</i>	A boolean indicating if messages should be automatically published to the channel.
AvatarUrl	<i>String</i>	A url to the avatar for your account on the social medial channel.
ChannelId	<i>String</i>	The id for the channel on the social media site.
ChannelKey	<i>String</i>	A HubSpot key associated with the channel.
ChannelSlug	<i>String</i>	The slug associated with the channel.
CreatedAt	<i>Datetime</i>	When the channel was created.
FollowMe	<i>Boolean</i>	A boolean indicating if the channel should be followed.
IsHidden	<i>Boolean</i>	A boolean indicating if the channel is hidden.

Monitoring	<i>Boolean</i>	A boolean indicating if the channel should be monitored.
Reach	<i>Boolean</i>	A boolean indicating if tracking the growth of followers on this account over time should be enabled.
ReachType	<i>String</i>	The type of reach for this social media channel.
IsShared	<i>Boolean</i>	A boolean indicating if this social media channel is shared.
Type	<i>String</i>	The type of social media channel.
UpdatedAt	<i>Datetime</i>	When this social media channel was last updated.
UserName	<i>String</i>	The user name for the social media channel.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Tasks

Retrieve task events for Calendar.

Table Specific Information

Retrieve task events for Calendar. A shortcut of the standard events call for finer-grained control.

Select

You can filter through results with `StartDate`, `EndDate`, `EmailCampaignId`, `IncludeNoCampaigns`. In case `StartDate` is not specified its default value will be 01/01/2010. In case `EndDate` is not specified its default value will be the actual date. For example:

The following query will return results in the range of the specified dates satisfying other conditions as well:

```
SELECT * FROM Tasks WHERE StartDate = '2014-01-01 12:00:00' AND EndDate = '2019-01-01 12:00:00' AND IncludeNoCampaigns = 'true'
SELECT * FROM Tasks WHERE EmailCampaignId IN ('12345678', '2345689') AND StartDate = '2014-01-01 12:00:00Z' AND EndDate = '2019-01-01 12:00:00'
```

Columns

Name	Type	References	Description
Id [KEY]	String		The unique id of the task.
Name	String		Name of Task.
Description	String		Description of Task.
EventType	String		Type of calendar event; for tasks this is always PUBLISHING_TASK.
EventDate	Datetime		When the task is set to be due.
Category	String		Type of task; one of BLOG_POST, EMAIL, LANDING_PAGE, CUSTOM.

CategoryId	<i>Integer</i>		Numeric value corresponding to the type of task; one of 3 (BLOG_POST), 2 (EMAIL), 1 (LANDING_PAGE), 0 (CUSTOM).
ContentId	<i>Long</i>		Id value of the COS content object associated with the task, null if nothing associated.
ContentGroupId	<i>Long</i>		The ID of the content group (aka blog) that the associated Blog Post belongs to, if any. Otherwise null. Only populated for single task GETs and for Blog Post Tasks..
PortalId	<i>Long</i>		The hub id.
State	<i>String</i>		Value of TODO or DONE.
EmailCampaignId	<i>String</i>	EmailCampaigns.Id	Value of campaign GUID associated with Task.
Url	<i>String</i>		URL of the task.
OwnerId	<i>Long</i>	Owners.OwnerId	HubSpot id of the user that the task is assigned to.
CreatedBy	<i>Long</i>	Owners.OwnerId	HubSpot id of the user that the task was created by.
PreviewKey	<i>String</i>		The preview key.
SocialUsername	<i>String</i>		The username.

SocialDisplayName	<i>String</i>	The display name.
AvatarUrl	<i>String</i>	User avatar url.
TopicIds	<i>String</i>	The list of ids of topics associated with the associated Blog Post, if any. Otherwise null. Only populated for single task GETs and for Blog Post Tasks..
IsRecurring	<i>Boolean</i>	Boolean indicating whether is the task recurring.

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. For more information, see the WHERE clause section.

Name	Type	Description
IncludeNoCampaigns	<i>Boolean</i>	The beginning value of the query range.
StartDate	<i>Datetime</i>	The beginning value of the query range.
EndDate	<i>Datetime</i>	Include tasks without a campaign specified (true, false). Defaults to false.

Templates

Retrieve the available templates in HubSpot.

Table Specific Information

Templates represent any templates you have saved in the HubSpot content optimization system. The templates allow you to easily create new pages with the same look of other pages on your site.

Select

When selecting templates, they can only be filtered by the Id, CategoryId, DeletedAt, Folder, IsAvailableForNewContent, Label, and Path. DeletedAt can be used with the > and < comparisons but cannot form a range. For example:

```
SELECT * FROM Templates WHERE DeletedAt >= '1/1/2014'
SELECT * FROM Templates WHERE Id = '123456789'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the template.
CategoryId	Long		The category of content this template can be used for. 1 for landing page, 2 for email, 3 for site page.
CDNMinifiedUrl	String		For javascript and css, this is the URL of the version of the content that has been rendered, minified, and uploaded to our Content Delivery Network.
CDNUrl	String		For non-html templates, the URL to the version of the template that has been rendered and uploaded to the HubSpot CDN.

DeletedAt	<i>Datetime</i>	When the template was deleted.
Folder	<i>String</i>	The folder this template lives in.
GeneratedFromLayoutId	<i>String</i>	The id of the layout that generated this template.
IsAvailableForNewContent	<i>Boolean</i>	True if this template will show up in the content creation screen.
IsFromLayout	<i>Boolean</i>	True if template was generated by publishing a layout.
IsReadOnly	<i>Boolean</i>	True if the template can only be read.
Label	<i>String</i>	The label of the template as it shows up in the template builder.
Path	<i>String</i>	The path of the template, as should be used for HubL include statements.
Source	<i>String</i>	The markup of the template.
ThumbnailPath	<i>String</i>	The thumbnail image of the template.
UpdatedAt	<i>Datetime</i>	When the template was last updated.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

UrlMappings

Retrieve the available url mappings in HubSpot.

Table Specific Information

URL mappings represent any number of redirects you have specified in your HubSpot content optimization system.

Select

When selecting URL mappings, they can only be filtered by the Id, CreatedAt, DeletedAt, Destination, IsOnlyAfterNotFound, RoutePrefix, and UpdatedAt. DeletedAt, CreatedAt, and UpdatedAt can be used with the > and < comparisons to form a range. For example:

```
SELECT * FROM UrlMappings WHERE DeletedAt >= '1/1/2014' AND DeletedAt <= '10/1/2014'
SELECT * FROM UrlMappings WHERE Id = '123456789'
```

Columns

Name	Type	References	Description
Id [KEY]	Long		The id of the url mapping.
CreatedAt	Datetime		When the url mapping was created.
DeletedAt	Datetime		When the url mapping was deleted.
Destination	String		The URL to redirect to.
IsMatchFullUrl	Boolean		If true, the 'route_prefix' should match on

		the entire URL including the domain.
IsMatchQueryString	<i>Boolean</i>	If true, the 'route_prefix' should match on the entire URL path including the query string.
IsOnlyAfterNotFound	<i>Boolean</i>	If True, the URL mapping will only be applied if a live page matching the URL is not found. If False, the URL mapping will take precedence over any existing page.
Precedence	<i>Integer</i>	If a URL matches more than one mapping, the one with the lower precedence applies.
RoutePrefix	<i>String</i>	The incoming URL to match.
UpdatedAt	<i>Datetime</i>	When the url mapping was last updated.
ExtraUrlParameters	<i>String</i>	An input only property for specifying additional parameters when selecting data from HubSpot. Specify the parameters as name=value pairs in a comma separated list. For instance, 'param1=value1,param2=value2,param3=value3'.

Stored Procedures

Stored procedures are function-like interfaces that extend the functionality of the adapter beyond simple SELECT/INSERT/UPDATE/DELETE operations with HubSpot.

Stored procedures accept a list of parameters, perform their intended function, and then return, if applicable, any relevant response data from HubSpot, along with an indication of whether the procedure succeeded or failed.

HubSpot Adapter Stored Procedures

Name	Description
CheckObjectSyncStatus	Check the sync status of a object, based on the integratorObjectId and type of object.
CreateSchema	Creates a schema file for the specified table or view.
DeleteFile	Permanently delete a file and all related data and thumbnails from file manager.
GetEcommerceTriggerURI	Retrieve the current ecommerce trigger URI.
GetOAuthAccessToken	Gets the OAuth access token from HubSpot.
GetOAuthAuthorizationURL	Gets the HubSpot authorization URL. Access the URL returned in the output in an Internet browser. This requests the access token that can be used as part of the connection string to HubSpot.
GetTotalCountFromRecent	Usage information for the operation GetTotalCountFromRecent.rsb.
ImportEcommercePages	Once you've received an import initialization request you can send batches of items to HubSpot via this Import Paged Endpoint.
InsertEngagement	Allows the insertion of engagements into HubSpot. Currently there is no good means of retrieving existing engagements via the HubSpot API.
RefreshOAuthAccessToken	Refreshes the OAuth access token used for authentication with various HubSpot services.
SendSyncMessages	Send a group of sync messages for a specific object type. Sync messages would be notifications of creates, updates, or deletes of ecommerce objects. Maximum number of Sync messages that you can send in one request is 200.
SetEcommerceTriggerURI	Check the sync status of a object, based on the integratorObjectId and type of object.

[UpdateWorkflowContacts](#)

You can enroll/unenroll contacts of a workflow.

[UploadFile](#)

Upload a new file to the file manager.

CheckObjectSyncStatus

Check the sync status of a object, based on the integratorObjectId and type of object.

Input

Name	Type	Description
IntegratorObjectId	<i>String</i>	The ID, in your system, of the object that is being created, updated, or deleted.
ObjectType	<i>String</i>	<p>The type of the object that is being created, updated or deleted.</p> <p>The allowed values are <i>CONTACT</i>, <i>DEAL</i>, <i>PRODUCT</i>, <i>LINE_ITEM</i>.</p>

Result Set Columns

Name	Type	Description
LastProcessedAt	<i>Datetime</i>	The timestamp when the Sync message was processed.
NumErrors	<i>String</i>	The number of errors so far if the are any.
HubspotId	<i>String</i>	The id of the corresponding Hubspot object

ObjectType	String	The type of the object is the same as the input.
ExternalObjectId	String	The external object ID related to the hubspot object

CreateSchema

Creates a schema file for the specified table or view.

CreateSchema

Creates a local schema file (.rsd) from an existing table or view in the data model.

The schema file is created in the directory set in the Location connection property when this procedure is executed. You can edit the file to include or exclude columns, rename columns, or adjust column datatypes.

The adapter checks the Location to determine if the names of any .rsd files match a table or view in the data model. If there is a duplicate, the schema file will take precedence over the default instance of this table in the data model. If a schema file is present in Location that does not match an existing table or view, a new table or view entry is added to the data model of the adapter.

Input

Name	Type	Accepts Output Streams	Description
TableName	String	False	The name of the table or view.
FileName	String	False	The full file path and name of the schema to generate. Begin by choosing a parent directory (this parent directory should be set in the Location property). Complete the filepath by adding a directory

			corresponding to the schema used (hubspot), followed by a .rsd file with a name corresponding to the desired table name. For example : 'C:\\Users\\User\\Desktop\\HubSpot\\hubspot\\sheet.rsd'
FileStream	<i>String</i>	<i>True</i>	An instance of an output stream where file data is written to. Only used if FileName is not set.

Result Set Columns

Name	Type	Description
Result	<i>String</i>	Returns Success or Failure.
FileData	<i>String</i>	File data that will be outputted encoded in Base64 if the FileName and FileStream inputs are not set.

DeleteFile

Permanently delete a file and all related data and thumbnails from file manager.

Input

Name	Type	Description
FileId	<i>String</i>	Id of the file that will be deleted

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the deletion succeeded.

GetEcommerceTriggerURI

Retrieve the current ecommerce trigger URI.

Input

Name	Type	Description
AppId	<i>String</i>	The ID, of the app that the import trigger URI belongs to.

Result Set Columns

Name	Type	Description
ImportTriggerURI	<i>String</i>	The ecommerce import URI used to import data to Hubspot.

GetOAuthAccessToken

Gets the OAuth access token from HubSpot.

Input

Name	Type	Description
AuthMode	<i>String</i>	<p>The type of authentication mode to use. Select App for getting authentication tokens via a windows forms 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>
RequiredScopes	<i>String</i>	Scopes required for your app. At least one must be specified and if you have created an app, all of the scopes you have selected for the app as being required should be specified.
OptionalScopes	<i>String</i>	Optional scopes that are requested but are ignored if not specified. These do not need to be specified in your app and will not cause an error if the HubSpot account being connected to does not have access to them.
CallbackUrl	<i>String</i>	The URL the user will be redirected to after authorizing your application.
Verifier	<i>String</i>	The verifier code returned by Hubspot after permissions have been granted for the app to connect. WEB AuthMode only.
State	<i>String</i>	This field indicates any state that may be useful to your application upon receipt of the response. Your application receives the same value it sent, as this parameter makes a round-trip to HubSpot authorization server and back. Uses include redirecting the user to the correct resource in your site, using nonces, and mitigating cross-site request forgery.

Result Set Columns

Name	Type	Description
OAuthAccessToken	String	The OAuth token.
OAuthRefreshToken	String	The OAuth refresh token.
ExpiresIn	String	The remaining lifetime for the access token in seconds.

GetOAuthAuthorizationURL

Gets the HubSpot authorization URL. Access the URL returned in the output in an Internet browser. This requests the access token that can be used as part of the connection string to HubSpot.

Input

Name	Type	Description
CallbackUrl	String	The URL that HubSpot will return to after the user has authorized your app.
RequiredScopes	String	Scopes required for your app. At least one must be specified and if you have created an app, all of the scopes you have selected for the app as being required should be specified.
OptionalScopes	String	Optional scopes that are requested but are ignored if not specified. These do not need to be specified in your app and will not cause an error if the HubSpot account being connected to does not have access to them.
State	String	Indicates any state which may be useful to your application upon receipt of the response. Your application receives the same value it sent, as this parameter makes a round-trip to the HubSpot authorization server and back. Uses include

redirecting the user to the correct resource in your site, using nonces, and mitigating cross-site request forgery.

Result Set Columns

Name	Type	Description
URL	<i>String</i>	The URL to be entered into a Web browser to obtain the verifier token and authorize the adapter with.

GetTotalCountFromRecent

Usage information for the operation GetTotalCountFromRecent.rsb.

Input

Name	Type	Description
EndpointUrl	<i>String</i>	Url of the recent endpoint.

Result Set Columns

Name	Type	Description
TotalCount	<i>String</i>	

ImportEcommercePages

Once you've received an import initialization request you can send batches of items to HubSpot via this Import Paged Endpoint.

Input

Name	Type	Description
AppId	String	The app ID in which the property is or will be imported.
ImportStartedAt	Datetime	The time the customer requested the import.
ObjectType	String	The type of the object that is being created, updated or deleted. The allowed values are <i>CONTACT</i> , <i>DEAL</i> , <i>PRODUCT</i> , <i>LINE_ITEM</i> .
PageNumber	String	A numeric page number that identifies this page of data. Must be unique within this import.
IntegratorObjectId	String	The ID, in your system, of the object that is being created, updated, or deleted.
PropertyAggregate	String	This is a map of your property names to the values for this object. These are the values that we will sync into corresponding HubSpot object.

Result Set Columns

Name	Type	Description

Success	<i>String</i>	A boolean value indicating if the sync message was sent successfully.
---------	---------------	---

InsertEngagement

Allows the insertion of engagements into HubSpot. Currently there is no good means of retrieving existing engagements via the HubSpot API.

Input

Name	Type	Description
EngagementType	<i>String</i>	The type of engagement to create. The allowed values are <i>NOTE</i> , <i>EMAIL</i> , <i>TASK</i> , <i>MEETING</i> .
EngagementTime	<i>String</i>	A datetime indicating when the engagement took place.
EngagementIsActive	<i>String</i>	A boolean indicating if the engagement is active.
AssociatedContacts	<i>String</i>	A comma separated list of contact ids to associate with the engagement.
AssociatedCompanies	<i>String</i>	A comma separated list of company ids to associate with the engagement.
AssociatedDeals	<i>String</i>	A comma separated list of deal ids to associate with the engagement.
AssociatedOwners	<i>String</i>	A comma separated list of owner ids to associate with the engagement.
NoteBody	<i>String</i>	The body of a note engagement. Only used when EngagementType = NOTE.
FromEmail	<i>String</i>	The from email in the engagement. Only used when

		EngagementType = EMAIL.
FromFirstName	String	The first name the email was from in the engagement. Only used when EngagementType = EMAIL.
FromLastName	String	The last name the email was from in the engagement. Only used when EngagementType = EMAIL.
ToEmail	String	A comma separated list of emails the message was sent to. Only used when EngagementType = EMAIL.
EmailCC	String	A comma separated list of cc'd email addresses. Only used when EngagementType = EMAIL.
EmailBCC	String	A comma separated list of bcc'd email addresses. Only used when EngagementType = EMAIL.
EmailSubject	String	The subject of the email. Only used when EngagementType = EMAIL.
EmailHtml	String	Html content consisting of the body of the email. Only used when EngagementType = EMAIL.
EmailText	String	Plain text content consisting of the body of the email. Only used when EngagementType = EMAIL.
TaskBody	String	The body of the task. Only used when EngagementType = TASK.
TaskStatus	String	The status of the task. Only used when EngagementType = TASK.
TaskForObjectType	String	The object type the task is for. For instance, CONTACT. Only used when EngagementType = TASK.
MeetingBody	String	A body outlining the details of the meeting. Only used when EngagementType = MEETING.
MeetingStartTime	String	The start date time for the meeting. Only used when EngagementType = MEETING.

MeetingEndTime	<i>String</i>	The end date time for the meeting. Only used when EngagementType = MEETING.
MeetingTitle	<i>String</i>	The title of the meeting. Only used when EngagementType = MEETING.

Result Set Columns

Name	Type	Description
Id	<i>String</i>	The id of the engagement.

RefreshOAuthAccessToken

Refreshes the OAuth access token used for authentication with various HubSpot services.

Input

Name	Type	Description
OAuthRefreshToken	<i>String</i>	The refresh token returned with the previous access token.
CallbackUrl	<i>String</i>	The URL used when the oauth access token was created.

Result Set Columns

Name	Type	Description
OAuthAccessToken	<i>String</i>	The authentication token returned from HubSpot. This can be used in subsequent calls to other operations for this particular service.
OAuthRefreshToken	<i>String</i>	A token that may be used to obtain a new access token.
ExpiresIn	<i>String</i>	The remaining lifetime on the access token.
PortalId	<i>String</i>	The portal or hubspot account this access token is associated with.

SendSyncMessages

Send a group of sync messages for a specific object type. Sync messages would be notifications of creates, updates, or deletes of ecommerce objects. Maximum number of Sync messages that you can send in one request is 200.

Input

Name	Type	Description
IntegratorObjectId	<i>String</i>	The ID, in your system, of the object that is being created, updated, or deleted.
ObjectType	<i>String</i>	<p>The type of the object that is being created, updated or deleted.</p> <p>The allowed values are <i>CONTACT</i>, <i>DEAL</i>, <i>PRODUCT</i>, <i>LINE_ITEM</i>.</p>
Action	<i>String</i>	<p>The type of action this message describes.</p> <p>The allowed values are <i>UPSERT</i>, <i>DELETE</i>.</p>

ChangeOccurredDatetime	<i>Datetime</i>	A millisecond timestamp representing when the change that this message describes occurred.
PropertyAggregate	<i>String</i>	This is a map of your property names to the values for this object. These are the values that we will sync into corresponding HubSpot object.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	A boolean value indicating if the sync message was sent successfully.

SetEcommerceTriggerURI

Check the sync status of a object, based on the integratorObjectId and type of object.

Input

Name	Type	Description
AppId	<i>String</i>	The ID, of the app that the import trigger URI belongs to.
ImportTriggerURI	<i>String</i>	The new ecommerce import URI used to import data to Hubspot.

Result Set Columns

Name	Type	Description
ImportTriggerURI	<i>String</i>	The ecommerce import URI used to import data to Hubspot.

UpdateWorkflowContacts

You can enroll/unenroll contacts of a workflow.

Input

Name	Type	Description
WorkflowId	<i>String</i>	The ID of the workflow.
Email	<i>String</i>	The email of the contact you wish to enroll in the workflow.
Process	<i>String</i>	Process you want to execute. Opsional values are enroll and unenroll. The allowed values are <i>enroll</i> , <i>unenroll</i> .

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if specified process succeed.

UploadFile

Upload a new file to the file manager.

Input

Name	Type	Accepts Input Streams	Description
FileLocation	<i>String</i>	<i>False</i>	The full path of the local file to upload. Ex.: C:\Temp\downloads\file.txt. Required if EncodedFileData/Content and FileName attributes are not specified.
EncodedFileData	<i>String</i>	<i>False</i>	Encoded file data to upload. This attribute along with FileName can be used as an alternative to FileLocation or Content. Note if FileLocation is specified, this will not be considered.
Content	<i>String</i>	<i>True</i>	The content as an InputStream to be uploaded. This attribute along with FileName can be used as an alternative to FileLocation or EncodedFileData.
FileName	<i>String</i>	<i>False</i>	Full name of the file. Ex.: 'Sample.txt'. Only required when EncodedFileData or Content is specified.
Access	<i>String</i>	<i>False</i>	Required attribute. The file access level. Supported values are: 'PUBLIC_INDEXABLE' -(The

			<p>file will be publicly accessible by anyone who has the file url. Search engines will be able to index the file.), 'PUBLIC_NOT_INDEXABLE' - (The file will be publicly accessible by anyone who has the file url. The X-Robots-Tag: noindex header will be sent whenever the file is retrieved, instructing search engines not to index the file.) and 'PRIVATE' - (The file will be private and requires a signed url to access. Search engines will NOT be able to index the file.).</p> <p>The allowed values are <i>PUBLIC_INDEXABLE</i>, <i>PUBLIC_NOT_INDEXABLE</i>, <i>PRIVATE</i>.</p>
UploadFolderId	<i>String</i>	<i>False</i>	Optional attribute. Id of the folder the file should be uploaded into. Note that if this is specified, UploadFolderPath will not be considered.
UploadFolderPath	<i>String</i>	<i>False</i>	<p>Optional attribute. Path of the folder the file should be uploaded into. If not specified, the file will be uploaded into the root path '/'.</p> <p>The default value is /.</p>
TimeToLive	<i>String</i>	<i>False</i>	Optional attribute. If specified the file will be deleted after the specified amount of time. The formats are Periods. For example 'P3M' means a period of 3 months. The file will be deleted after 3 months. The

			TimeToLive cannot be more than 1 year.
Overwrite	<i>Boolean</i>	<i>False</i>	<p>Optional attribute. Boolean if you want to overwrite a file of the same name. If false, will append a number to the file name and create a new file. Defaults to false.</p> <p>The default value is <i>false</i>.</p>
DuplicateValidationStrategy	<i>String</i>	<i>False</i>	<p>Optional attribute. Options are: 'REJECT' - (If a duplicate file is found, the upload request is rejected.), 'RETURN_EXISTING' - (If a duplicate file is found, the upload is cancelled and the existing file is returned instead.) and 'NONE' - (No duplicate file validation is performed.). Defaults to NONE if not specified</p> <p>The allowed values are <i>REJECT</i>, <i>RETURN_EXISTING</i>, <i>NONE</i>.</p>
DuplicateValidationScope	<i>String</i>	<i>False</i>	<p>Optional attribute. Options are: 'ENTIRE_PORTAL' - (Checks all files for a duplicate.) and 'EXACT_FOLDER' - (Checks only the provided folder for a duplicate.). Defaults to 'EXACT_FOLDER' if not specified</p> <p>The allowed values are <i>ENTIRE_PORTAL</i>, <i>EXACT_FOLDER</i>.</p>
CharsetHunch	<i>String</i>	<i>False</i>	Optional attribute. The character set of the provided file.

Result Set Columns

Name	Type	Description
FileId	String	The ID of the newly created file.
Success	String	Returns True if the upload succeeded.

HubSpot V3 Data Model

The HubSpot Adapter models HubSpot CRM API v3 objects as relational Tables, Views, and Stored Procedures. This section describes API limitations and requirements; you can use the [SupportEnhancedSQL](#) feature, set by default, to circumvent most of these limitations.

Tables

[Tables](#) describes a sample of the available standard tables. The standard table definitions and custom tables are dynamically retrieved during runtime; here, we show the sample table definitions for the standard HubSpot Objects. Note that Custom Objects are exposed as tables with a "__c" appended to the end of the name.

You can find more detailed information for the available HubSpot Custom Objects by querying the views: [CustomObjects](#), [CustomObjectProperties](#) and [CustomObjectAssociations](#).

You can Create new HubSpot Custom Objects (tables) or Update and Delete existing ones via the stored procedures: [CreateCustomObject](#), [UpdateCustomObject](#) and [DeleteCustomObject](#). Additionally, you can add, update or remove Custom Properties (columns) to both Standard and Custom HubSpot Objects (tables) through the stored procedures: [CreateCustomProperty](#), [UpdateCustomProperty](#) and [DeleteCustomProperty](#).

The HubSpot Data Provider exposes the HubSpot Object Associations as tables, through which the user can retrieve and manage the associated records between different object types. By default, and if the [ExpandAssociations](#) connection property is false, one associations table is exposed for each HubSpot object with available associations (ex. DealAssociations, CompanyAssociations, ContactAssociations, etc.). In case the [ExpandAssociations](#) connection property is true, the driver exposes one associations table

for each association between two HubSpot object types (for example, CompaniesToContactsAssociations, ContactsToDealsAssociations, DealsToLineItemsAssociations, etc.). Refer to [ContactAssociations](#) and [ContactsToDealsAssociations](#) for a simple guide with examples on how to get the associated records, add new associated records and remove existing ones.

To retrieve, add and remove associations between a custom object type and other objects types (standard or custom objects) the user can utilize the table [CustomObjectAssociations](#).

Stored Procedures

[Stored Procedures](#) are function-like interfaces to the data source. You can use them to search, update, and modify information in the data source.

CRM API V3 improvements (compared to V1 and V2)

- Filtering capabilities for most important tables. Supported operators include =, !=, >, <, <=, >=.
- Filtering using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them.
- Sorting capability for most important tables. Only 1 column is supported to be sorted by the API.
- Support for 'Batch' operations (Batch Insert, Batch Update, Batch Delete).
- Support for Creating, Updating and Deleting Custom HubSpot Objects (tables) and Properties (columns).

CRM API V3 limitations

- PageSize cannot be bigger than 100.
- Filtering is available only when the number of rows to be returned is less than 10,000. If there are more rows to be returned for the query then all rows will be retrieved first and filtering is then applied on them by the adapter
- When issuing either filtering requests or sorting requests, no more than one

request/second is allowed.

- A few columns (such as "CreatedAt" and "UpdatedAt") do not support filters.
- The stored procedures to Create/Update Custom Objects may not work for the OAuth Authentication Scheme, since the OAuth apps are limited to the read-only access scope for Custom Objects. To work around this limitation, you can connect via a Private App Token.

Tables

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

Generally, querying HubSpot 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.

HubSpot Adapter Tables

Name	Description
Companies	Retrieve the available Companies in HubSpot. This table supports both OAuth and PrivateAppToken authentications.
CompanyAssociations	Retrieve the IDs of all the objects associated to specific Companies objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.
ContactAssociations	Retrieve the IDs of all the objects associated to specific Contacts objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.
Contacts	Retrieve the available Contacts in HubSpot. his table supports both OAuth and PrivateAppToken authentications.

ContactsToDealsAssociations	Retrieve the IDs of all the Deals objects associated to specific Contacts objects in HubSpot. his table supports both OAuth and PrivateAppToken authentications.
CustomObjectAssociations	Retrieve and manage associations between Custom object types in HubSpot.
DealAssociations	Retrieve the IDs of all the objects associated to specific Deals objects in HubSpot. his table supports both OAuth and PrivateAppToken authentications.
DealPipelines	Pipelines of deals in HubSpot.
DealPipelineStages	Pipeline stages of deals in HubSpot.
Deals	Retrieve the available Deals in HubSpot. his table supports both OAuth and PrivateAppToken authentications.
EngagementsCalls	Retrieve the available Calls in HubSpot.
EngagementsEmails	Retrieve the available Emails in HubSpot.
EngagementsMeetings	Retrieve the available Meetings in HubSpot.
EngagementsNotes	Retrieve the available Notes in HubSpot.
EngagementsTasks	Retrieve the available Tasks in HubSpot.
FeedbackSubmissionAssociations	Retrieve the IDs of all the objects associated to specific Feedbacksubmissions objects in HubSpot.
Feedbacksubmissions	Retrieve the available Feedbacksubmissions in HubSpot.
Forms	Retrieve HubSpot forms used to collect lead information about your visitors and contacts.
LineitemAssociations	Retrieve the IDs of all the objects associated to specific Lineitems objects in HubSpot. This table supports both

	OAuth and PrivateAppToken authentications.
Lineitems	Retrieve the available Lineitems in HubSpot. This table supports both OAuth and PrivateAppToken authentications.
Products	Retrieve the available Products in HubSpot. This table supports both OAuth and PrivateAppToken authentications.
QuoteAssociations	Retrieve the IDs of all the objects associated to specific Quotes objects in HubSpot. table supports only PrivateAppToken authentication.
Quotes	Retrieve the available Quotes in HubSpot. This table supports only PrivateAppToken authentication.
Threads	Retrieve the available Threads in a Conversation in HubSpot.
TicketAssociations	Retrieve the IDs of all the objects associated to specific Tickets objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.
TicketPipelines	Discover pipelines that a ticket goes through in HubSpot.
TicketPipelineStages	Pipeline stages of tickets in HubSpot.
Tickets	Retrieve the available Tickets in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Companies

Retrieve the available Companies in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Table Specific Information

In HubSpot, company records store information about a business or organization.

Select

When selecting companies, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM Companies WHERE [Associated Deals] > 1 AND [Recent Deal
Close Date] < '2020-01-31'
SELECT * FROM Companies WHERE [Associated Contacts] < 50 OR [Last
Contacted] > '2020-01-01 15:00:00'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Companies WHERE {Column} = {Value} AND {Column} < {Value}
AND {Column} > {Value}
SELECT * FROM Companies WHERE {Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}
SELECT * FROM Companies WHERE ({Column} = {Value} AND {Column} =
{Value}) OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Companies WHERE ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value})
```

Insert

```
INSERT INTO Companies([About Us]) VALUES('description')
```

Update

```
UPDATE Companies SET [About Us] = 'new description' WHERE
ID='3917882265'
```

Delete

```
DELETE FROM Companies WHERE ID='3917882265'
```

Columns

Name	Type	Read Only	References	Filterable	Description
Id [KEY]	<i>Long</i>	False		True	Unique identifier of the object.
Archived	<i>Bool</i>	True		False	Whether the object is archived or not.
CreatedAt	<i>Date time</i>	True		False	When the object was created.
UpdatedAt	<i>Date time</i>	True		False	When the object was last updated.
About Us	<i>String</i>	False		True	Short about_company

ClosedateTimestampEarliestValueA2a17e6e	<i>Date time</i>	True	True	Calculation context property providing timestamp for rollup property closedate calculated as EARLIEST_ VALUE via values of closedate on object type ObjectTypel d_ legacyObjec tType_ CONTACT_
Facebook Fans	<i>Deci mal</i>	False	True	Number of facebook fans
FirstContactCreatedateTimestampEarliestValue78b501e6a	<i>Date time</i>	True	True	Calculation context property providing timestamp for rollup property first_ contact_ createdate calculated as EARLIEST_ VALUE via

					values of createdate on object type ObjectTypel d_ legacyObjec tType_ CONTACT_
First Conversion Date	<i>Date time</i>	True		True	The first conversion date across all contacts associated this company or organization
FirstConversionDateTimestampEarliestValue61f5812a	<i>Date time</i>	True		True	Calculation context property providing timestamp for rollup property first_ conversion_ date calculated as EARLIEST_ VALUE via values of first_ conversion_ date on object type ObjectTypel d_

					legacyObject Type_ CONTACT_
First Conversion		String	True	True	The first form submitted across all contacts associated this company or organization
FirstConversionEventNameTimestampEarliestValue	Does data have time		True	True	Calculation context property providing timestamp for rollup property first_conversion_event_name calculated as EARLIEST_VALUE via values of first_conversion_event_name on object type ObjectTyped_legacyObject Type_ CONTACT_

First Deal Created Date	<i>Date time</i>	True	True	Date the first deal was associated with this company record.
Year Founded	<i>String</i>	False	True	The year the company was created. Powered by HubSpot Insights.
Additional Domains	<i>String</i>	False	True	Additional domains belonging to this company
Business units	<i>String</i>	False	True	The business units this record is assigned to.
Time First Seen	<i>Date time</i>	True	True	The first activity for any contact associated with this company or organization
HsAnalyticsFirstTimestampTimestampEarliestValue	<i>Date time</i>	True	True	Calculation context property providing

					timestamp for rollup property hs_ analytics_ first_ timestamp calculated as EARLIEST_ VALUE via values of hs_ analytics_ first_ timestamp on object type ObjectTypel d_ legacyObjec tType_ CONTACT_
First Touch Converting Campaign	String	True	True	The campaign responsible for the first touch creation of the first contact associated with this company	
HsAnalyticsFirstTouchConvertingCampaignTime	Boolean	True	True	Calculation context property	

				providing timestamp for rollup property hs_analytics_first_touch_converting_campaign calculated as EARLIEST_VALUE via values of hs_analytics_first_touch_converting_campaign on object type ObjectType_d_legacyObjectType_CONTACT_
Time of First Session	Date time	True	True	Time of first session across all contacts associated with this company or organization
HsAnalyticsFirstVisitTimestamp	TimestampEarliestDateActual	True	True	Calculation context

					property providing timestamp for rollup property hs_analytics_first_visit_timestamp calculated as EARLIEST_VALUE via values of hs_analytics_first_visit_timestamp on object type ObjectTypeId_legacyObjectType_CONTACT_
Time Last Seen		<i>Date time</i>	True	True	Time last seen across all contacts associated with this company or organization
HsAnalyticsLastTimestampTimestampLatestValue	416365	<i>Date time</i>	True	True	Calculation context property providing timestamp

					for rollup property hs_ analytics_ last_ timestamp calculated as LATEST_ VALUE via values of hs_ analytics_ last_ timestamp on object type ObjectTypel d_ legacyObjec tType_ CONTACT_
Last Touch Converting Campaign	String	True		True	The campaign responsible for the last touch creation of the first contact associated with this company
HsAnalyticsLastTouchConvertingCampaign	DateTime	True	True	True	Calculation context property providing timestamp

					for rollup property hs_ analytics_ last_touch_ converting_ campaign calculated as LATEST_ VALUE via values of hs_ analytics_ last_touch_ converting_ campaign on object type ObjectTypeI d_ legacyObjec tType_ CONTACT_
Time of Last Session	<i>Date time</i>	True	True		Time of the last session attributed to any contacts that are associated with this company record.
HsAnalyticsLastVisitTimestampTimestampLatestValue	<i>Date time</i>	True	True		Calculation context property providing

				timestamp for rollup property hs_ analytics_ last_visit_ timestamp calculated as LATEST_ VALUE via values of hs_ analytics_ last_visit_ timestamp on object type ObjectTypeI d_ legacyObjec tType_ CONTACT_
Latest Source	String	True	True	Source of the last session attributed to any contacts that are associated with this company
Latest Source Data 1	String	True	True	Additional source details of the last session attributed

					to any contacts that are associated with this company
Latest Source Data 2	String	True		True	Additional source details of the last session attributed to any contacts that are associated with this company
Latest Source Timestamp	DateTime	True		True	Timestamp of when latest source occurred
Number of Pageviews	Decimal	True		True	Total number of page views across all contacts associated with this company or organization
HsAnalyticsNumPageViewsCardinalitySumE46e85b0	Decimal	True		True	Calculation context property

					providing cardinality for rollup property hs_analytics_num_page_views calculated as SUM via values of hs_analytics_num_page_views on object type ObjectTypeId_legacyObjectType_CONTACT_
Number of Sessions	Decimal	True		True	Total number of sessions across all contacts associated with this company or organization
HsAnalyticsNumVisitsCardinalitySum53d952a6	Decimal	True		True	Calculation context property providing cardinality for rollup

				property hs_ analytics_ num_visits calculated as SUM via values of hs_ analytics_ num_visits on object type ObjectTypeI d_ legacyObjec tType_ CONTACT_
Original Source Type	<i>String</i>	False	True	Original source for the contact with the earliest activity for this company or organization
Original Source Data 1	<i>String</i>	True	True	Additional information about the original source for the contact with the earliest activity for this company or organization

HsAnalyticsSourceData1TimestampEarliestValue90211	Boolean	True	True	Calculation context property providing timestamp for rollup property hs_analytics_source_data_1 calculated as EARLIEST_VALUE via values of hs_analytics_source_data_1 on object type ObjectTyped_legacyObjectType_CONTACT_
Original Source Data 2	String	True	True	Additional information about the original source for the contact with the earliest activity for this company or organization

HsAnalyticsSourceData2TimestampEarliestValue9b2fe400True	Date time	True	True	Calculation context property providing timestamp for rollup property hs_analytics_source_data_2 calculated as EARLIEST_VALUE via values of hs_analytics_source_data_2 on object type ObjectTypeId_legacyObjectType_CONTACT_
HsAnalyticsSourceTimestampEarliestValue25a3a52aTrue	Date time	True	True	Calculation context property providing timestamp for rollup property hs_analytics_source calculated as

					EARLIEST_ VALUE via values of hs_analytics_source on object type ObjectTypeId_legacyObjectType_CONTACT_
Avatar FileManager key	String	True	True	The path in the FileManager CDN for this company's avatar override image. Automatically set by HubSpot.	
Created by user ID	Decimal	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.	
Object create date_time	Datetime	True	True	The date and time at which this object was	

				created. This value is automatically set by HubSpot and may not be modified.
Date entered 'Customer _Lifecycle Stage Pipeline_	<i>Date time</i>	True	True	The date and time when the company entered the 'Customer' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Evangelist _Lifecycle Stage Pipeline_	<i>Date time</i>	True	True	The date and time when the company entered the 'Evangelist' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Lead _Lifecycle Stage Pipeline_'	<i>Date time</i>	True	True	The date and time when the company entered the 'Lead' stage_

						'Lifecycle Stage Pipeline' pipeline
Date entered 'Marketing Qualified Lead _Lifecycle Stage Pipeline_'	<i>Date time</i>	True		True		The date and time when the company entered the 'Marketing Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Opportunity _Lifecycle Stage Pipeline_'	<i>Date time</i>	True		True		The date and time when the company entered the 'Opportunity' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Other _Lifecycle Stage Pipeline_'	<i>Date time</i>	True		True		The date and time when the company entered the 'Other' stage_ 'Lifecycle Stage Pipeline'

				pipeline
Date entered 'Sales Qualified Lead _Lifecycle Stage Pipeline'	<i>Date time</i>	True	True	The date and time when the company entered the 'Sales Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Subscriber _Lifecycle Stage Pipeline'	<i>Date time</i>	True	True	The date and time when the company entered the 'Subscriber' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Customer _Lifecycle Stage Pipeline_'	<i>Date time</i>	True	True	The date and time when the company exited the 'Customer' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Evangelist _Lifecycle Stage Pipeline_'	<i>Date</i>	True	True	The date

	<i>time</i>				and time when the company exited the 'Evangelist' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Lead _Lifecycle Stage Pipeline_'	<i>Date time</i>	True		True	The date and time when the company exited the 'Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Marketing Qualified Lead _Lifecycle Stage Pipeline_'	<i>Date time</i>	True		True	The date and time when the company exited the 'Marketing Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Opportunity _Lifecycle Stage Pipeline_'	<i>Date time</i>	True		True	The date and time when the company

					exited the 'Opportunity' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Other _Lifecycle Stage Pipeline_'	<i>Date time</i>	True	True		The date and time when the company exited the 'Other' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Sales Qualified Lead _Lifecycle Stage Pipeline_'	<i>Date time</i>	True	True		The date and time when the company exited the 'Sales Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Subscriber _Lifecycle Stage Pipeline_'	<i>Date time</i>	True	True		The date and time when the company exited the 'Subscriber' stage_

				'Lifecycle Stage Pipeline' pipeline
Ideal Customer Profile Tier	<i>String</i>	False	True	How well this company matches your Ideal Customer Profile. Tier 1 means a great fit for your products_services_ Tier 3 might be acceptable_ but low priority.
Target Account	<i>Bool</i>	False	True	Identifies whether this company is being marketed and sold to as part of your account_ based strategy.
Last Booked Meeting Date	<i>Date time</i>	True	True	The last date of booked meetings associated

				with the company
Last Logged Call Date	<i>Date time</i>	True	True	The last date of logged calls associated with the company
Last Open Task Date	<i>Date time</i>	True	True	The last due date of open tasks associated with the company
last sales activity date old	<i>Date time</i>	True	True	The date of the last sales activity with the company in seconds.
Last Engagement Date	<i>Date time</i>	True	True	The last time a contact engaged with your site or a form_ document_ meetings link_ or tracked email. This doesn't include marketing

				emails or emails to multiple contacts.
Last Engagement Type	<i>String</i>	True	True	The type of the last engagement a company performed. This doesn't include marketing emails or emails to multiple contacts.
Last Modified Date	<i>Date time</i>	True	True	Most recent timestamp of any property update for this company. This includes HubSpot internal properties_ which can be visible or hidden. This property is updated automatically.
Latest create date of active subscriptions	<i>Date time</i>	True	True	Latest created date

				of all associated active Subscriptions
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Number of blockers	<i>Decimal</i>	True	True	The number of contacts associated with this company with the role of blocker.
Number of contacts with a buying role	<i>Decimal</i>	True	True	The number of contacts associated with this company with a buying role.
Number of decision makers	<i>Decimal</i>	True	True	The number of contacts

					associated with this company with the role of decision maker.
Number of open deals	<i>Decimal</i>	True	True		The number of open deals associated with this company.
Record ID	<i>Decimal</i>	True	True		The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Pinned Engagement ID	<i>Decimal</i>	True	True		The object ID of the current pinned engagement. This value is automatically set by HubSpot and may not be modified.

Pipeline	<i>String</i>	False	True	The pipeline with which this company is currently associated
Likelihood to close	<i>Decimal</i>	True	True	The highest probability that a contact associated with this company will become a customer within the next 90 days. This score is based on standard contact properties and behavior.
HsPredictivecontactscoreV2NextMaxMaxD4e58c1e	<i>Decimal</i>	True	True	Calculation context property providing next_max for rollup property hs_predictivecontactscore_v2 calculated

					as MAX via values of hs_predictivecontactscore_v2 on object type ObjectType_d_legacyObjectType_CONTACT_
Read Only Object	Bool	True	True	Is the object read only	
Target Account2	String	False	True	The Target Account property is a means to flag high priority companies if you are following an account based strategy	
Target Account Probability	Decimal	True	True	The probability a company is marked as a target account	
Target Account Recommendation Snooze Time	DateTime	False	True	The date when the target account	

					recommend ation is snoozed.
Target Account Recommendation State	<i>String</i>	False	True		The state of the target account recommend ation
Time in 'Customer _Lifecycle Stage Pipeline_'	<i>Decimal</i>	True	True		The total time in seconds spent by the company in the 'Customer' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Evangelist _Lifecycle Stage Pipeline_'	<i>Decimal</i>	True	True		The total time in seconds spent by the company in the 'Evangelist' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Lead _Lifecycle Stage Pipeline_'	<i>Decimal</i>	True	True		The total time in seconds spent by the

					company in the 'Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Marketing Qualified Lead _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the company in the 'Marketing Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline	
Time in 'Opportunity _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the company in the 'Opportunity' stage_ 'Lifecycle Stage Pipeline' pipeline	
Time in 'Other _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the company in	

					the 'Other' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Sales Qualified Lead _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the company in the 'Sales Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline	
Time in 'Subscriber _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the company in the 'Subscriber' stage_ 'Lifecycle Stage Pipeline' pipeline	
Total open deal value	Decimal	True	True	The total value_ in your company's currency_ of all open deals	

				associated with this company
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the

					object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True		The user IDs of all owners of this object
Owner Assigned Date	<i>DateTime</i>	True	True		The timestamp when an owner was assigned to this company
Is Public	<i>Boolean</i>	False	True		Indicates if the company is publicly traded. Powered by HubSpot Insights.
Number of Associated Contacts	<i>Decimal</i>	True	True		The number of contacts associated with this company
Number of Associated Deals	<i>Decimal</i>	True	True		The number of deals associated with this company

Number of Form Submissions	<i>Decimal</i>	True	True	The number of forms submission for all contacts associated with this company or organization
NumConversionEventsCardinalitySumD095f14b	<i>Decimal</i>	True	True	Calculation context property providing cardinality for rollup property num_conversion_events calculated as SUM via values of num_conversion_events on object type ObjectTypeId_legacyObjectType_CONTACT_
Recent Conversion Date	<i>Date time</i>	True	True	The most recent conversion date across all contacts associated this

							company or organization
RecentConversionDateTimestampLatestValue72850001	Boolean	True	True	Calculation context property providing timestamp for rollup property recent_conversion_date calculated as LATEST_VALUE via values of recent_conversion_date on object type ObjectTyped_legacyObjectType_CONTACT_			
Recent Conversion	String	True	True	The last form submitted across all contacts associated this company or organization			
RecentConversionEventNameTimestampLatestValue66820001	Boolean	True	True	Calculation context			

					property providing timestamp for rollup property recent_conversion_event_name calculated as LATEST_VALUE via values of recent_conversion_event_name on object type ObjectTypeId_legacyObjectType_CONTACT_
Recent Deal Amount	<i>Decimal</i>	True		True	The amount of the last deal closed
Recent Deal Close Date	<i>Date time</i>	True		True	Date of the last
Time Zone	<i>String</i>	False		True	Time zone where the company or organization is located. Powered by HubSpot Insights.
Total Money Raised	<i>String</i>	False		True	The total

	<i>g</i>			amount of money raised by the company. Powered by HubSpot Insights.
Total Revenue	<i>Decimal</i>	True	True	The total amount of closed won deals
Company name	<i>String</i>	False	True	The name of the company or organization. Powered by HubSpot Insights.
HubSpot Owner Email	<i>String</i>	False	True	HubSpot owner email for this company or organization
Twitter Handle	<i>String</i>	False	True	The main twitter account of the company or organization
HubSpot Owner Name	<i>String</i>	False	True	HubSpot owner name for this company or organization

Phone Number	<i>String</i>	False	True	Company primary phone number. Powered by HubSpot Insights.
Twitter Bio	<i>String</i>	False	True	The Twitter bio of the company or organization
Twitter Followers	<i>Decimal</i>	False	True	The number of Twitter followers of the company or organization
Street Address	<i>String</i>	False	True	Street address of the company or organization_ including unit number. Powered by HubSpot Insights.
Street Address 2	<i>String</i>	False	True	Additional address of the company or organization. Powered by HubSpot Insights.

Facebook Company Page	String	False	True	The URL of the Facebook company page for the company or organization
City	String	False	True	City where the company is located. Powered by HubSpot Insights.
LinkedIn Company Page	String	False	True	The URL of the LinkedIn company page for the company or organization
LinkedIn Bio	String	False	True	The LinkedIn bio for the company or organization
State_Region	String	False	True	State or region in which the company or organization is located. Powered by HubSpot Insights.
Google Plus Page	String	False	True	The URL of

	<i>g</i>			the Google Plus page for the company or organization
Date of last meeting booked in meetings tool	<i>Date time</i>	True	True	Last Meeting Booked for any contact associated with this Company_ Organization.
Campaign of last booking in meetings tool	<i>String</i>	True	True	This UTM parameter shows which marketing campaign _ e.g. a specific email_ referred an associated contact to the meetings tool for their most recent booking. This property is only populated when you add tracking

				parameters to your meeting link.
Medium of last booking in meetings tool	String	True	True	This UTM parameter shows which channel _ e.g. email_ referred an associated contact to the meetings tool for their most recent booking. This property is only populated when you add tracking parameters to your meeting link.
Source of last booking in meetings tool	String	True	True	This UTM parameter shows which site _ e.g. Twitter_ referred an associated contact to

				the meetings tool for their most recent booking. This property is only populated when you add tracking parameters to your meeting link.
Latest meeting activity	<i>Date time</i>	True	True	The date of the most recent meeting _ past or upcoming_ logged for_ scheduled with_ or booked by a contact associated with this company.
Recent Sales Email Replied Date	<i>Date time</i>	True	True	The last time a tracked sales email was replied to by this company

Company owner	<i>String</i>	False	True	The owner of the company
Last Contacted	<i>Date time</i>	True	True	Timestamp of the last call_ email_ or meeting that was logged for a contact at this company.
Last Activity Date	<i>Date time</i>	True	True	The last time a note_ call_ meeting_ or task was logged for a company. This is set automatically by HubSpot based on user actions in the company record.
Next Activity Date	<i>Date time</i>	True	True	Date of the next upcoming scheduled sales activity for this company record.

Number of times contacted	<i>Decimal</i>	True	True	The number of times a call_email or meeting was logged for this company
Number of Sales Activities	<i>Decimal</i>	True	True	Number of sales activities for this company. For example_ a call_email or meeting logged.
Postal Code	<i>String</i>	False	True	Postal or zip code of the company or organization. Powered by HubSpot Insights.
Country_Region	<i>String</i>	False	True	Country in which the company or organization is located. Powered by HubSpot Insights.
HubSpot Team	<i>String</i>	True	True	The team of the owner of the company.

All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
Website URL	<i>String</i>	False	True	The main website of the company or organization. This property is used to identify unique companies. Powered by HubSpot Insights.
Company Domain Name	<i>String</i>	False	True	The domain name of the company or organization
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom

All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom
Number of Employees	<i>Decimal</i>	False	True	The total number of employees who work for the company or organization. Powered by HubSpot Insights.
Industry	<i>String</i>	False	True	The type of business the company performs. By default_ this property has approximately 150 pre_ defined options to select from.

					While these options cannot be deleted as they used by HubSpot Insights_ you can add new custom options to meet your needs.
Annual Revenue	<i>Decimal</i>	False	True		The actual or estimated annual revenue of the company. Powered by HubSpot Insights.
Lifecycle Stage	<i>String</i>	False	True		The most advanced lifecycle stage across all contacts associated with this company or organization
Lead Status	<i>String</i>	False	True		The company's sales_ prospecting or outreach status

Parent Company	<i>Decimal</i>	True	True	The parent company of this company
Type	<i>String</i>	False	True	The optional classification of this company record _prospect_partner_ etc.
Description	<i>String</i>	False	True	A short statement about the company's mission and goals. Powered by HubSpot Insights.
Number of child companies	<i>Decimal</i>	True	True	The number of child companies of this company
HubSpot Score	<i>Decimal</i>	True	True	The sales and marketing score for the company or organization
Create Date	<i>Date</i>	True	True	The date

	<i>time</i>			the company or organization was added to the database
Close Date	<i>Date time</i>	False	True	The date the company or organization was closed as a customer
First Contact Create Date	<i>Date time</i>	True	True	The date that the first contact from this company entered the system_ which could pre_date the company's create date
Days to Close	<i>Decimal</i>	True	True	The number of days between when the company record was created and when they closed as a customer.
Web Technologies	<i>String</i>	False	True	The web

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technologies used by the company or organization. Powered by HubSpot Insights.

CompanyAssociations

Retrieve the IDs of all the objects associated to specific Companies objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False	Companies.Id	False	Companies ID
AssociationId [KEY]	Long	False		False	ID of the object that this Companies object is associated with.
Type [KEY]	String	False		False	Type of the associated object_ which can be a contact_ deal etc.

TypeId [KEY]	String	False	AssociationsTypes .Id	False	The numeric ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	String	True	AssociationsTypes .Type	False	The name of the association type for the specified object pair. This column is empty for more specific associations queries.

ContactAssociations

Retrieve the IDs of all the objects associated to specific Contacts objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

View Specific Information

This is a sample associations table exposed when the [ExpandAssociations](#) connection property is set to False (default).

Select

A query to this table will return will return the Id-s of all the records and their corresponding object type associated to a specific Contact record.

```
SELECT * FROM ContactAssociations
```

Insert

To add a new association between a Contacts record and a Deals one, you need to specify the Id-s of the two records to be associated and the deal object type.

```
insert into ContactAssociations (Id, AssociationId, Type) Values
('3432','34654', 'Deal')
```

To add a new association between a Contacts record and a Custom Object one, you need to specify the Id-s of the two records to be associated and the Custom Object FullyQualifiedName as the Type. Note: You can find the Object FullyQualifiedName by querying the [CustomObjects](#) view.

```
insert into ContactAssociations (Id, AssociationId, Type) Values
('3432','453545', 'p5692228_event')
```

Delete

To delete an existing association between a Contacts record and a Deals one, you need to specify the Id-s of the two associated records and the associated deal object Type. Note for custom objects, you will need to specify the FullyQualifiedName as the Type.

```
DELETE [ContactAssociations] WHERE Id='3432' AND AssociationId='34654'
AND Type='Deal'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False	Contacts .Id	False	Contacts ID
AssociationId [KEY]	Long	False		False	ID of the object that this Contacts object is

					associated with.
Type [KEY]	<i>String</i>	False		False	Type of the associated object_ which can be a contact_ deal etc.
TypeId [KEY]	<i>String</i>	False	AssociationsTypes .Id	False	The numeric ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	<i>String</i>	True	AssociationsTypes .Type	False	The name of the association type for the specified object pair. This column is empty for more specific associations queries.

Contacts

Retrieve the available Contacts in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Table Specific Information

In HubSpot, contacts store information about an individual. From marketing automation to smart content, the lead-specific data found in contact records helps users leverage much of HubSpot's functionality.

Select

When selecting contacts, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM Contacts WHERE [Associated Deals] = 3 AND [First Deal
Created Date] > '2019-01-01'
SELECT * FROM Contacts WHERE [Company Name] = 'CData' OR [Last Name] =
'Robinson'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Contacts WHERE {Column} = {Value} AND {Column} < {Value}
AND {Column} > {Value}
SELECT * FROM Contacts WHERE {Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}
SELECT * FROM Contacts WHERE ({Column} = {Value} AND {Column} = {Value})
OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Contacts WHERE ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value})
```

Insert

```
INSERT INTO Contacts([Field of study]) VALUES('uni')
```

Update


```
UPDATE Contacts SET [Field of study] = 'new uni' WHERE ID='25151'
```

Delete

```
DELETE FROM Contacts WHERE ID='25151'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	DateTime	True		False	When the object was created.
UpdatedAt	DateTime	True		False	When the object was last updated.
Company size	String	False		True	Contact's company size. Required for the Facebook

				Ads Integration. Automatically synced from the Lead Ads tool.
Date of birth	<i>String</i>	False	True	Contact's date of birth. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Days To Close	<i>Decimal</i>	True	True	Count of days elapsed between creation and being closed as a customer. Set automatically.
Degree	<i>String</i>	False	True	Contact's degree. Required for the Facebook Ads Integration.

				Automaticall y synced from the Lead Ads tool.
Field of study	<i>String</i>	False	True	Contact's field of study. Required for the Facebook Ads Integration. Automaticall y synced from the Lead Ads tool.
First Conversion Date	<i>DateTime</i>	True	True	Date this contact first submitted a form.
First Conversion	<i>String</i>	True	True	First form this contact submitted.
First Deal Created Date	<i>DateTime</i>	True	True	Date first deal was created for contact. Set automaticall y.
Gender	<i>String</i>	False	True	Contact's gender. Required for the

				Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Graduation date	<i>String</i>	False	True	Contact's graduation date. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Additional email addresses	<i>String</i>	True	True	A set of additional email addresses for a contact
Business units	<i>String</i>	False	True	The business units this record is assigned to.
All vids for a contact	<i>String</i>	True	True	A set of all vids_ canonical or otherwise_ for a contact

First Touch Converting Campaign	<i>String</i>	True	True	Campaign responsible for the first touch creation of this contact.
Last Touch Converting Campaign	<i>String</i>	True	True	Campaign responsible for the last touch creation of this contact.
Avatar FileManager key	<i>String</i>	True	True	The path in the FileManager CDN for this contact's avatar override image. Automatically set by HubSpot.
Buying Role	<i>String</i>	False	True	Role the contact plays during the sales process. Contacts can have multiple roles_ and can share roles with others.
All form submissions for a contact	<i>String</i>	True	True	A set of all

				form submissions for a contact
Merged vids with timestamps of a contact	<i>String</i>	True	True	Merged vids with timestamps of a contact
Calculated Mobile Number in International Format	<i>String</i>	True	True	Mobile number in international format
Calculated Phone Number in International Format	<i>String</i>	True	True	Phone number in international format
Calculated Phone Number Area Code	<i>String</i>	True	True	Area Code of the calculated phone number
Calculated Phone Number Country Code	<i>String</i>	True	True	Country code of the calculated phone number
Calculated Phone Number Region	<i>String</i>	True	True	ISO2 Country code for the derived phone number
Clicked on a LinkedIn Ad	<i>String</i>	False	True	Whether contact has

				clicked on a LinkedIn Ad
Email Confirmed	Bool	True	True	Email Confirmation status of user of Content Membership
Registration Follow Up Email Enqueued At	Datetime	False	True	The time when the first registration follow up email was enqueued
Membership Notes	String	False	True	Notes relating to the contact's content membership.
Registered At	Datetime	True	True	Datetime at which this user was set up for Content Membership
Domain to which registration email was sent	String	True	True	Domain to which the registration invitation email for Content Membership was sent to

Time registration email was sent	<i>Datetime</i>	True	True	Datetime at which this user was sent a registration invitation email for Content Membership
Status	<i>String</i>	False	True	Status of the contact's content membership.
Conversations visitor email	<i>String</i>	True	True	A Conversations visitor's email address
Count of unengaged contacts	<i>Decimal</i>	True	True	if contact is assigned and unworked_set to 1. if contact is assigned and worked_set to 0.
Count of engaged contacts	<i>Decimal</i>	True	True	if contact is assigned and worked_set to 1. if contact is assigned

				and unworked_ set to 0.
Created By Conversations	<i>Bool</i>	True	True	Flag indicating this contact was created by the Conversatio ns API
Created by user ID	<i>Decim al</i>	True	True	The user that created this object. This value is automaticall y set by HubSpot and may not be modified.
Object create date_time	<i>Dateti me</i>	True	True	The date and time at which this object was created. This value is automaticall y set by HubSpot and may not be modified.
Date entered 'Customer _Lifecycle Stage Pipeline_'	<i>Dateti me</i>	True	True	The date and time when the contact entered the

						'Customer' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Evangelist _Lifecycle Stage Pipeline_'	Date time	True	True			The date and time when the contact entered the 'Evangelist' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Lead _Lifecycle Stage Pipeline_'	Date time	True	True			The date and time when the contact entered the 'Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Marketing Qualified Lead _Lifecycle Stage Pipeline_'	Date time	True	True			The date and time when the contact entered the 'Marketing Qualified Lead' stage_ 'Lifecycle

				Stage Pipeline' pipeline
Date entered 'Opportunity _Lifecycle Stage Pipeline'	Date	True	True	The date and time when the contact entered the 'Opportunity' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Other _Lifecycle Stage Pipeline'	Date	True	True	The date and time when the contact entered the 'Other' stage_ 'Lifecycle Stage Pipeline' pipeline
Date entered 'Sales Qualified Lead _Lifecycle Stage Pipeline'	Date	True	True	The date and time when the contact entered the 'Sales Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline

Date entered 'Subscriber _Lifecycle Stage Pipeline' <i>Time</i>	True	True	The date and time when the contact entered the 'Subscriber' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Customer _Lifecycle Stage Pipeline' <i>Time</i>	True	True	The date and time when the contact exited the 'Customer' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Evangelist _Lifecycle Stage Pipeline' <i>Time</i>	True	True	The date and time when the contact exited the 'Evangelist' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Lead _Lifecycle Stage Pipeline' <i>Time</i>	True	True	The date and time when the contact

					exited the 'Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Marketing Qualified Lead _Lifecycle Stage Pipeline_'	Optional Time	True	True	The date and time when the contact exited the 'Marketing Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline	
Date exited 'Opportunity _Lifecycle Stage Pipeline_'	Optional Time	True	True	The date and time when the contact exited the 'Opportunity' stage_ 'Lifecycle Stage Pipeline' pipeline	
Date exited 'Other _Lifecycle Stage Pipeline_'	Optional Time	True	True	The date and time when the contact exited the 'Other' stage_	

				'Lifecycle Stage Pipeline' pipeline
Date exited 'Sales Qualified Lead _Lifecycle Stage Pipeline_'	<i>Date</i>	True	True	The date and time when the contact exited the 'Sales Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Date exited 'Subscriber _Lifecycle Stage Pipeline_'	<i>Date</i>	True	True	The date and time when the contact exited the 'Subscriber' stage_ 'Lifecycle Stage Pipeline' pipeline
Recent Document Revisit Date	<i>Date</i>	True	True	The last time a shared document _ presentation_ was accessed by this contact
Invalid email address	<i>Bool</i>	True	True	The email

				address associated with this contact is invalid.
Email address quarantine reason	<i>String</i>	False	True	The reason why the email address has been quarantined.
Email Domain	<i>String</i>	True	True	A contact's email address domain
Email hard bounce reason	<i>String</i>	True	True	The issue that caused a contact to hard bounce from your emails. If this is an error or a temporary issue_ you can unbounce this contact from the contact record.
Email hard bounce reason2	<i>String</i>	True	True	The issue that caused a contact to hard bounce

				from your emails. If this is an error or a temporary issue_ you can unbounce this contact from the contact record.
Email Address Quarantined	<i>Bool</i>	True	True	Indicates that the current email address has been quarantined for anti_abuse reasons and any marketing email sends to it will be blocked. This is automatically set by HubSpot.
Email address automated quarantine reason	<i>String</i>	True	True	The automated reason why the email address has been quarantined.

Email Address Recipient Fatigue Next Available Date	Boolean	True	True	When this recipient has reached the limit of email sends per time period_ this property indicates the next available time to send. This is automatically set by HubSpot.
Sends Since Last Engagement	Decimal	True	True	The number of marketing emails that have been sent to the current email address since the last engagement _open or link click_. This is automatically set by HubSpot.
Marketing email confirmation status	String	True	True	The status of a contact's eligibility to receive

				marketing email. This is automatically set by HubSpot.
Clicked Facebook ad	<i>Bool</i>	False	True	Whether contact has clicked a Facebook ad
Facebook click id	<i>String</i>	False	True	
Facebook ID	<i>String</i>	False	True	A contact's facebook id
Last NPS survey comment	<i>String</i>	True	True	Last NPS survey comment that this contact gave
Last NPS survey rating	<i>String</i>	True	True	Last NPS survey rating that this contact gave
Last NPS survey date	<i>DateTime</i>	True	True	The time that this contact last submitted a NPS survey response. This is automatically set by HubSpot.

Should be shown an NPS web survey	<i>Bool</i>	False	True	Whether or not a contact should be shown an NPS web survey. This is automatically set by HubSpot.
ID of first engagement	<i>Decimal</i>	True	True	The object id of the current contact owner's first engagement with the contact. Used in Sales Analytics app.
First subscription create date	<i>DateTime</i>	True	True	The create date of the first subscription by the contact.
Google ad click id	<i>String</i>	False	True	
googleplus ID	<i>String</i>	False	True	A contact's googleplus id
Contact has an active subscription	<i>Decimal</i>	True	True	The rollup

	<i>al</i>			property value is 1 when the contact has an active Subscription or 0 otherwise.
IP Timezone	<i>String</i>	True	True	The timezone reported by a contact's IP address. This is automatically set by HubSpot and can be used for segmentation and reporting.
Is a contact	<i>Bool</i>	True	True	Is a contact_ has not been deleted and is not a visitor
Contact unworked	<i>Bool</i>	True	True	Contact has not been assigned or has not been engaged after last owner assignment_

				re_ assignment
last sales activity date old	<i>Date time</i>	True	True	The date of the last sales activity with the contact. This property is set automatically by HubSpot. Note_ This field is only updated for contacts with an owner.
Last Engagement Date	<i>Date time</i>	True	True	The last time a contact engaged with your site or a form_ document_ meetings link_ or tracked email. This doesn't include marketing emails or emails to multiple contacts.

Last Engagement Type	<i>String</i>	True	True	The type of the last engagement a contact performed. This doesn't include marketing emails or emails to multiple contacts.
Object last modified date_time	<i>DateTime</i>	True	True	Most recent timestamp of any property update for this contact. This includes HubSpot internal properties_ which can be visible or hidden. This property is updated automatically.
Last sequence ended date	<i>DateTime</i>	True	True	The last sequence ended date.
Last sequence enrolled	<i>Decimal</i>	True	True	The last sequence enrolled.

Last sequence enrolled date	<i>Datetime</i>	True	True	The last sequence enrolled date.
Last sequence finished date	<i>Datetime</i>	True	True	The last sequence finished date.
Last sequence unenrolled date	<i>Datetime</i>	True	True	The last sequence unenrolled date.
Latest Source Date	<i>Date</i>	False	True	The time of the latest session for a contact
Latest subscription create date	<i>Datetime</i>	True	True	The create date of the latest subscription by the contact.
Lead Status	<i>String</i>	False	True	The contact's sales_ prospecting or outreach status
Legal basis for processing contact's data	<i>String</i>	False	True	Legal basis for processing contact's data_ 'Not applicable'

				will exempt the contact from GDPR protections
Clicked LinkedIn Ad	<i>String</i>	False	True	
LinkedIn ID	<i>String</i>	False	True	A contact's linkedin id
Marketing contact status source name	<i>String</i>	True	True	The ID of the activity that set the contact as a marketing contact
Marketing contact status source type	<i>String</i>	True	True	The type of the activity that set the contact as a marketing contact
Marketing contact status	<i>String</i>	True	True	The marketing status of a contact
Marketing contact until next update	<i>String</i>	True	True	Specifies if this contact will be set as non_marketing on renewal
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have

				been merged into this object. This value is automatically set by HubSpot and may not be modified.
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Pinned engagement ID	<i>Decimal</i>	True	True	
Pipeline	<i>String</i>	False	True	The pipeline with which this contact is currently associated
Likelihood to close	<i>Decimal</i>	True	True	The probability that a contact will become a customer within the next 90 days. This score is based on

				standard contact properties and behavior.
Contact priority	<i>String</i>	True	True	A ranking system of contacts evenly assigned into four tiers. Contacts in tier one are more likely to become customers than contacts in tier four.
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Date of first engagement	<i>DateTime</i>	True	True	The date the current contact owner first engaged with the contact. Used in Sales Analytics app.
Description of first engagement	<i>String</i>	True	True	A description of the

				current contact owner's first engagement with the contact. Used in the Sales Analytics app.
Type of first engagement	<i>String</i>	True	True	The object type of the current contact owner's first engagement with the contact. Used in the Sales Analytics app.
Recent Sales Email Clicked Date	<i>DateTime</i>	True	True	The last time a tracked sales email was clicked by this user
Recent Sales Email Opened Date	<i>DateTime</i>	True	True	The last time a tracked sales email was opened by this contact. This property does not

				update for emails that were sent to more than one contact.
Calculated Mobile Number with country code	String	True	True	Mobile number with country code
Calculated Phone Number with country code	String	True	True	Phone number with country code
Calculated Mobile Number without country code	String	True	True	Mobile number without country code
Calculated Phone Number without country code	String	True	True	Phone number without country code
Number of sequences actively enrolled	Decimal	True	True	The number of sequences actively enrolled.
Number of sequences enrolled	Decimal	True	True	The number of sequences enrolled.
Currently in Sequence	Bool	True	True	A yes_no

					field that indicates whether the contact is currently in a Sequence.
testpurge	String	True		True	testing purge
testrollback	String	True		True	testing rollback
Time between contact creation and deal closure	Decimal	False		True	
Time between contact creation and deal creation	Decimal	False		True	
Time in 'Customer _Lifecycle Stage Pipeline'	Decimal	True		True	The total time in seconds spent by the contact in the 'Customer' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Evangelist _Lifecycle Stage Pipeline'	Decimal	True		True	The total time in seconds spent by the contact in the 'Evangelist' stage_

					'Lifecycle Stage Pipeline' pipeline
Time in 'Lead _Lifecycle Stage Pipeline_'	Decimal	True		True	The total time in seconds spent by the contact in the 'Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Marketing Qualified Lead _Lifecycle Stage Pipeline_'	Decimal	True		True	The total time in seconds spent by the contact in the 'Marketing Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Opportunity _Lifecycle Stage Pipeline_'	Decimal	True		True	The total time in seconds spent by the contact in the 'Opportunity' stage_ 'Lifecycle

				Stage Pipeline' pipeline
Time in 'Other _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the contact in the 'Other' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Sales Qualified Lead _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the contact in the 'Sales Qualified Lead' stage_ 'Lifecycle Stage Pipeline' pipeline
Time in 'Subscriber _Lifecycle Stage Pipeline_'	Decimal	True	True	The total time in seconds spent by the contact in the 'Subscriber' stage_ 'Lifecycle Stage Pipeline' pipeline

				pipeline
Lead response time	<i>Decimal</i>	True	True	Time it took current owner to do first qualifying engagement _ms_. Used in Sales Analytics app.
Time to move from lead to customer	<i>Decimal</i>	False	True	How long it takes for a contact to move from the HubSpot lead stage to the HubSpot customer stage.
Time to move from marketing qualified lead to customer	<i>Decimal</i>	False	True	How long it takes for a contact to move from the HubSpot marketing qualified lead stage to the HubSpot customer stage.
Time to move from opportunity to customer	<i>Decimal</i>	False	True	How long it takes for a contact to move from the HubSpot

				opportunity stage to the HubSpot customer stage.
Time to move from sales qualified lead to customer	Decimal	False	True	How long it takes for a contact to move from the HubSpot sales qualified lead stage to the HubSpot customer stage.
Time to move from subscriber to customer	Decimal	False	True	How long it takes for a contact to move from the HubSpot subscriber stage to the HubSpot customer stage.
Time Zone	String	False	True	The contact's time zone. This can be set automatically by HubSpot based on other

				contact properties. It can also be set manually for each contact.
Twitter ID	<i>String</i>	False	True	A contact's twitter id
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs

					of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True		True	The user IDs of all owners of this object
WhatsApp Phone Number	<i>String</i>	False		True	The phone number associated with the contact's WhatsApp account.
Owner Assigned Date	<i>DateTime</i>	True		True	The most recent date a HubSpot Owner was assigned to a contact. This is set automatically by HubSpot and can be used for segmentation and reporting.

IP City	<i>String</i>	True	True	The city reported by a contact's IP address. This is automatically set by HubSpot and can be used for segmentation and reporting.
IP Country	<i>String</i>	True	True	The country reported by a contact's IP address. This is automatically set by HubSpot and can be used for segmentation and reporting.
IP Country Code	<i>String</i>	True	True	The country code reported by a contact's IP address. This is automatically set by HubSpot and can be used for segmentatio

				n and reporting.
IP Latitude _ Longitude	<i>String</i>	True	True	
IP State_Region	<i>String</i>	True	True	The state or region reported by a contact's IP address. This is automatically set by HubSpot and can be used for segmentation and reporting.
IP State Code_Region Code	<i>String</i>	True	True	The state code or region code reported by a contact's IP address. This is automatically set by HubSpot and can be used for segmentation and reporting.
IP Zipcode	<i>String</i>	True	True	The zipcode reported by a contact's

				IP address. This is automatically set by HubSpot and can be used for segmentation and reporting.
Job function	<i>String</i>	False	True	Contact's job function. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Last Modified Date	<i>DateTime</i>	True	True	The date any property on this contact was modified
Marital Status	<i>String</i>	False	True	Contact's marital status. Required for the Facebook Ads Integration. Automatically synced

				from the Lead Ads tool.
Military status	<i>String</i>	False	True	Contact's military status. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Number of Associated Deals	<i>Decimal</i>	True	True	Count of deals associated with this contact. Set automatically by HubSpot.
Number of Form Submissions	<i>Decimal</i>	True	True	The number of forms this contact has submitted
Number of Unique Forms Submitted	<i>Decimal</i>	True	True	The number of different forms this contact has submitted
Recent Conversion Date	<i>DateTime</i>	True	True	The date this contact

				last submitted a form
Recent Conversion	<i>String</i>	True	True	The last form this contact submitted
Recent Deal Amount	<i>Decimal</i>	True	True	Amount of last closed won deal associated with a contact. Set automatically.
Recent Deal Close Date	<i>DateTime</i>	True	True	Date last deal associated with contact was closed_won. Set automatically.
Relationship Status	<i>String</i>	False	True	Contact's relationship status. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.

School	<i>String</i>	False	True	Contact's school. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Seniority	<i>String</i>	False	True	Contact's seniority. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Start date	<i>String</i>	False	True	Contact's start date. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
Total Revenue	<i>Decim</i>	True	True	Sum of all

	<i>al</i>				closed_won deal revenue associated with the contact. Set automatically.
Work email	<i>String</i>	False		True	Contact's work email. Required for the Facebook Ads Integration. Automatically synced from the Lead Ads tool.
First Name	<i>String</i>	False		True	A contact's first name
First Page Seen	<i>String</i>	True		True	First page the contact visited on your website. Set automatically.
Marketing emails delivered	<i>Decimal</i>	True		True	The number of marketing emails delivered for the current email address. This is

					automaticall y set by HubSpot.
Opted out of email	Customer Service Communication	String	True	True	Indicates that the current email address has opted out of this email type.
Opted out of email	One to One	String	True	True	This column is a custom field. Indicates that the current email address has opted out of this email type.
Twitter Username		String	False	True	The contact's Twitter handle.
Currently in workflow		String	True	True	True when contact is enrolled in a workflow.
Follower Count		Decimal	False	True	The number of Twitter followers a contact has

Last Page Seen	<i>String</i>	True	True	Last page the contact visited on your website. Set automatically.
Marketing emails opened	<i>Decimal</i>	True	True	The number of marketing emails opened for the current email address. This is automatically set by HubSpot.
Last Name	<i>String</i>	False	True	A contact's last name
Number of Pageviews	<i>Decimal</i>	True	True	Total number of page views this contact has had on your website. Set automatically.
Marketing emails clicked	<i>Decimal</i>	True	True	The number of marketing emails which have had link clicks for the current

				email address. This is automatically set by HubSpot.
Salutation	<i>String</i>	False	True	The title used to address a contact
Twitter Profile Photo	<i>String</i>	False	True	The contact's Twitter profile photo. This is set by HubSpot using the contact's email address.
Email	<i>String</i>	False	True	A contact's email address
Number of Sessions	<i>Decimal</i>	True	True	Number of times a contact has come to your website. Set automatically.
Marketing emails bounced	<i>Decimal</i>	True	True	The number of marketing emails that

				bounced for the current email address. This is automatically set by HubSpot.
Persona	<i>String</i>	False	True	A contact's persona
Most Recent Social Click	<i>DateTime</i>	True	True	The date of the most recent click on a published social message. This is set automatically by HubSpot for each contact.
Number of event completions	<i>Decimal</i>	True	True	Total number of events for this contact. Set automatically.
Unsubscribed from all email	<i>Boolean</i>	True	True	Indicates that the current email address has opted out of

					all email.
Twitter Clicks	Decimal	True	True	The number of times a contact clicked on links you shared on Twitter through HubSpot. This is set automatically by HubSpot and can be used for segmentation.	
Mobile Phone Number	String	False	True	A contact's mobile phone number	
Phone Number	String	False	True	A contact's primary phone number	
Fax Number	String	False	True	A contact's primary fax number	
Time First Seen	DateTime	True	True	First time the contact has been seen. Set automatically.	

Last marketing email name	<i>String</i>	True	True	The name of the last marketing email sent to the current email address. This is automatically set by HubSpot.
Last marketing email send date	<i>DateTime</i>	True	True	The date of the most recent delivery for any marketing email to the current email address. This is automatically set by HubSpot.
Facebook Clicks	<i>Decimal</i>	True	True	The number clicks on links shared on Facebook
Street Address	<i>String</i>	False	True	Contact's street address_ including apartment or unit number.

Date of last meeting booked in meetings tool	<i>Date</i>	True	True	The date of the last meeting that has been scheduled by a contact through the meetings tool. If multiple meetings have been scheduled_ the date of the last chronological meeting in the timeline is shown.
Campaign of last booking in meetings tool	<i>String</i>	True	True	UTM parameter for marketing campaign _ e.g. a specific email_ responsible for recent meeting booking. Only populated when tracking parameters are included in meeting

				link.
Medium of last booking in meetings tool	<i>String</i>	True	True	UTM parameter for the channel _ e.g. email_ responsible for most recent meeting booking. Only populated when tracking parameters are included in meeting link.
Source of last booking in meetings tool	<i>String</i>	True	True	UTM parameter for the site _ e.g. Twitter_ responsible for most recent meeting booking. Only populated when tracking parameters are included in meeting link.
Time of First Session	<i>Datetime</i>	True	True	First time

	<i>me</i>			the contact visited your website. Set automatically.
Last marketing email open date	<i>Date time</i>	True	True	The date of the most recent open for any marketing email to the current email address. This is automatically set by HubSpot.
Latest meeting activity	<i>Date time</i>	True	True	The date of the most recent meeting _past or upcoming_ logged for _scheduled with_ or booked by this contact.
Recent Sales Email Replied Date	<i>Date time</i>	True	True	The last time a tracked sales email was replied to by this user. This is set

					automaticall y by HubSpot based on user actions in the contact record.
LinkedIn Clicks	<i>Decim al</i>	True		True	The number clicks on links shared on LinkedIn
Contact owner	<i>String</i>	False		True	The owner of a contact. This can be any HubSpot user or Salesforce integration user_ and can be set manually or via Workflows.
Last Contacted	<i>Dateti me</i>	True		True	The last time a call_ email_ or meeting was logged for a contact. This is set automaticall y by HubSpot based on user actions in the

				contact record.
Last Activity Date	<i>Date time</i>	True	True	The last time a note_ call_ email_ meeting_ or task was logged for a contact. This is set automatically by HubSpot based on user actions in the contact record.
Next Activity Date	<i>Date time</i>	True	True	The date of the next upcoming activity for a contact. This is set automatically by HubSpot based on user actions in the contact record.
Number of times contacted	<i>Decimal</i>	True	True	The number of times a call_ email_ or meeting

					was logged for a contact. This is set automatically by HubSpot based on user actions in the contact record.
Number of Sales Activities	<i>Decimal</i>	True		True	The number of sales activities for a contact. This is set automatically by HubSpot based on user actions in the contact record.
HubSpot Owner Email _legacy_	<i>String</i>	False		True	A legacy property used to identify the email address of the owner of the contact. This property is no longer in use.

HubSpot Owner Name _legacy_	<i>String</i>	False	True	A legacy property used to identify the name of the owner of the contact. This property is no longer in use.
SurveyMonkey Event Last Updated	<i>Decimal</i>	True	True	This field is meaningless on its own_ and is solely used for triggering dynamic list updates when SurveyMonkey information is updated
Webinar Event Last Updated	<i>Decimal</i>	True	True	This field is meaningless on its own_ and is solely used for triggering dynamic list updates when webinar information is updated
City	<i>String</i>	False	True	A contact's city of

				residence
Time Last Seen	<i>DateTime</i>	True	True	Timestamp for most recent webpage view on your website.
Last marketing email click date	<i>DateTime</i>	True	True	The date of the most recent link click for any marketing email to the current email address. This is automatically set by HubSpot.
Google Plus Clicks	<i>Decimal</i>	True	True	The number clicks on links shared on Google Plus
HubSpot Team	<i>String</i>	True	True	The team of the owner of a contact.
LinkedIn Bio	<i>String</i>	False	True	A contact's LinkedIn bio
Twitter Bio	<i>String</i>	False	True	The contact's Twitter bio. This is set

				by HubSpot using the contact's email address.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
Time of Last Session	<i>DateTime</i>	True	True	Timestamp for start of the most recent session for this contact to your website.
First marketing email send date	<i>DateTime</i>	True	True	The date of the earliest delivery for any marketing email to the current email address. This is automatically set by HubSpot.
Broadcast Clicks	<i>Decimal</i>	True	True	The number of clicks on

				published social messages. This is set automatically by HubSpot for each contact.
State_Region	<i>String</i>	False	True	The contact's state of residence. This might be set via import_form_ or integration.
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom
Original Source	<i>String</i>	False	True	First known source the contact used to find your website. Set automatically_ but may be updated

				manually.
First marketing email open date	<i>DateTime</i>	True	True	The date of the earliest open for any marketing email to the current email address. This is automatically set by HubSpot.
Latest Source	<i>String</i>	False	True	The source of the latest session for a contact
Postal Code	<i>String</i>	False	True	The contact's zip code. This might be set via import_form_ or integration.
Country_Region	<i>String</i>	False	True	The contact's country_region of residence. This might be set via import_form_ or integration.

All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom
Original Source DrillDown 1	<i>String</i>	True	True	Additional information about the source the contact used to find your website. Set automatically.
First marketing email click date	<i>DateTime</i>	True	True	The date of the earliest link click for any marketing email to the current email address. This is automatically set by HubSpot.
Latest Source DrillDown 1	<i>String</i>	True	True	Additional

					information about the latest source for the last session the contact used to find your website. Set automatically.
LinkedIn Connections	<i>Decimal</i>	False		True	How many LinkedIn connections they have
Original Source DrillDown 2	<i>String</i>	True		True	Additional information about the source the contact used to find your website. Set automatically.
Is globally ineligible	<i>Bool</i>	True		True	Indicates the contact is globally ineligible for email.
Preferred language	<i>String</i>	False		True	Set your contact's preferred language for communications. This property can be changed

					from an import_form_ or integration.
Latest Source DrillDown 2	String	True	True		Additional information about the source for the last session the contact used to find your website. Set automatically.
Klout Score	Decimal	False	True		A contact's Klout score_ a measure of Internet influence
First Referring Site	String	True	True		URL that referred the contact to your website. Set automatically.
First marketing email reply date	DateTime	True	True		The date of the earliest reply for any marketing email to the current email address. This is

				automaticall y set by HubSpot.
Job Title	<i>String</i>	False	True	A contact's job title
Photo	<i>String</i>	False	True	Social Media photo
Last Referring Site	<i>String</i>	True	True	Last URL that referred contact to your website. Set automaticall y.
Last marketing email reply date	<i>DateTime</i>	True	True	The date of the latest reply for any marketing email to the current email address. This is automaticall y set by HubSpot.
Message	<i>String</i>	False	True	A default property to be used for any message or comments a contact may want to leave on a

				form.
Close Date	<i>DateTime</i>	False	True	Date the contact became a customer. Set automatically when a deal or opportunity is marked as closed_won. It can also be set manually or programmatically.
Average Pageviews	<i>Decimal</i>	True	True	Average number of pageviews per session for this contact. Set automatically.
Marketing emails replied	<i>Decimal</i>	True	True	The number of marketing emails replied to by the current email address. This is automatically set by HubSpot.

Event Revenue	<i>Decimal</i>	True	True	Set event revenue on a contact through the Enterprise Events feature. http____help.hubspot.com_articles_KCS_Article_Reports_How_do_I_create_Events_in_HubSpot
Became a Lead Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to Lead. This is automatically set by HubSpot for each contact.
Became a Marketing Qualified Lead Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to MQL. This is automatically set by

				HubSpot for each contact.
Became an Opportunity Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to Opportunity. This is automatically set by HubSpot for each contact.
Lifecycle Stage	<i>String</i>	False	True	The qualification of contacts to sales readiness. It can be set through imports_ forms_ workflows_ and manually on a per contact basis.
Became a Sales Qualified Lead Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to

				SQL. This is automatically set by HubSpot for each contact.
Create Date	<i>DateTime</i>	True	True	The date that a contact entered the system
Became an Evangelist Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to Evangelist. This is automatically set by HubSpot for each contact.
Became a Customer Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to Customer. This is automatically set by HubSpot for each contact.

HubSpot Score	<i>Decimal</i>	True	True	The number that shows qualification of contacts to sales readiness. It can be set in HubSpot's Lead Scoring app.
Company Name	<i>String</i>	False	True	Name of the contact's company. This can be set independently from the name property on the contact's associated company.
Became a Subscriber Date	<i>DateTime</i>	True	True	The date when a contact's lifecycle stage changed to Subscriber. This is automatically set by HubSpot for each contact.
Became an Other Lifecycle Date	<i>DateTime</i>	True	True	The date

					when a contact's lifecycle stage changed to Other. This is automatically set by HubSpot for each contact.
Website URL	String	False	True		Associated company website.
Number of Employees	String	False	True		The number of company employees
Annual Revenue	String	False	True		Annual company revenue
Industry	String	False	True		The Industry a contact is in
Primary Associated Company ID	Decimal	False	True		HubSpot defined ID of a contact's primary associated company in HubSpot.
Associated Company Last Updated	Decimal	True	True		This field is meaningless on its own_

				and is solely used for triggering dynamic list updates when a company is updated
Lead Rating	<i>String</i>	True	True	The rating of this contact based on their predictive lead score
Predictive Lead Score	<i>Decimal</i>	True	True	A score calculated by HubSpot that represents a contact's likelihood to become a customer

ContactsToDealsAssociations

Retrieve the IDs of all the Deals objects associated to specific Contacts objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

View Specific Information

This is a sample associations table exposed when the ExpandAssociations connection property is set to True.

Select

A query to this table will return all the Id pairs of the associated records from the two object types, Contacts and Deals.

```
SELECT * FROM ContactsToDealsAssociations
```

Insert

To add a new association between a Contacts record and a Deals one, you simply need to specify the Id-s of the two records to be associated.

```
insert into ContactsToDealsAssociations (ContactsId, DealsId) Values
('3432', '34654')
```

Delete

To delete an existing association between a Contacts record and a Deals one, you simply need to specify the Id-s of the two records to be associated.

```
DELETE [ContactsToDealsAssociations] WHERE ContactsId='3432' AND
DealsId='34654'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
ContactsId [KEY]	Long	False	Contacts.Id	False	Contacts ID
DealsId [KEY]	Long	False	Deals.Id	False	Deals ID
TypeId	String	False	AssociationsTypes	False	The numeric

[KEY]			.Id		ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	String	True	AssociationsTypes .Type	False	The name of the association type for the specified object pair. This column is empty for more specific associations queries.

CustomObjectAssociations

Retrieve and manage associations between Custom object types in HubSpot.

View Specific Information

Note: Insert and Delete operations may not work for the OAuth Authentication scheme because of insufficient OAuth Apps scopes. Use the Private App Token authentication instead.

Select

A query to this table will return all the available associations for each custom object type.

```
SELECT * FROM CustomObjectAssociations
```


Insert

To add a new association between a custom object type and another object type (custom or standard object type), the user must specify at least the ObjectFullyQualifiedName for the source custom object and the Object Type Id-s of the two objects to be associated, ToObjectTypeId and FromObjectTypeId.

```
INSERT INTO [CustomObjectAssociations] (ObjectFullyQualifiedName, Name,
FromObjectTypeId, ToObjectTypeId, Cardinality, InverseCardinality)
VALUES('p5692228_MachinesObject', 'machine_to_contactAssoc', '2-
1128325', 'contact', 'ONE_TO_MANY', 'ONE_TO_MANY')
```

Delete

To delete an association for a custom object, you will need to specify the ObjectFullyQualifiedName and the AssociationId.

```
DELETE [CustomObjectAssociations] WHERE Id='330' AND
ObjectFullyQualifiedName='p5692228_MachinesObject'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	String	True		False	A unique ID for this association.
ObjectFullyQualifiedName [KEY]	String	False		False	A unique ID for this schema's object type. It is defined as _meta_type____unique ID_.
ObjectTypeId	String	True		False	The ID of the custom object type.

ObjectId	<i>String</i>	True	False	An assigned unique ID for the object_ including portal ID and object name.
ObjectName	<i>String</i>	True	False	A unique name for the schema's object type.
ObjectLabelSingular	<i>String</i>	True	False	Singular label for the object. Used in CRM display.
ObjectLabelPlural	<i>String</i>	True	False	Plural label for the object. Used in CRM display.
Name	<i>String</i>	False	False	A unique name for this association.
Cardinality	<i>String</i>	False	False	The cardinality type.
InverseCardinality	<i>String</i>	False	False	The inverseCardinality type.
FromObjectTypeId	<i>String</i>	False	False	ID of the primary object type to link from.
ToObjectTypeId	<i>String</i>	False	False	ID of the target object type ID to link to.

DealAssociations

Retrieve the IDs of all the objects associated to specific Deals objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False	Deals.Id	False	Deals ID
AssociationId [KEY]	Long	False		False	ID of the object that this Deals object is associated with.
Type [KEY]	String	False		False	Type of the associated object_ which can be a contact_ deal etc.
TypeId [KEY]	String	False	AssociationsTypes.Id	False	The numeric ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	String	True	AssociationsTypes.Type	False	The name of the association

type for the specified object pair. This column is empty for more specific associations queries.

DealPipelines

Pipelines of deals in HubSpot.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	<i>String</i>	False		False	The unique identified of the pipeline.
Label	<i>String</i>	False		False	The label <code>_name_</code> of the pipeline.
Archived	<i>Bool</i>	True		False	Whether the pipeline is archived or not.
CreatedAt	<i>Datetime</i>	True		False	When the pipeline was created.
UpdatedAt	<i>Datetime</i>	True		False	When the pipeline was last updated.
DisplayOrder	<i>Int</i>	False		False	The order of this specific pipeline in the collection of

					pipelines for this table.
StagesAggregate	<i>String</i>	False		False	An aggregate of the stages included in this pipeline. This information can be viewed in more detail in DealPipelineStages table.

DealPipelineStages

Pipeline stages of deals in HubSpot.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	<i>String</i>	False		False	Unique identifier of the stage in the pipeline.
PipelineId [KEY]	<i>String</i>	False	DealPipelines .Id	False	Unique identifier of the pipeline.
Label	<i>String</i>	False		False	Label _name_ of the pipeline stage.
PipelineLabel	<i>String</i>	True	DealPipelines .Label	False	The label _name_ of the

				pipeline.
IsClosed	<i>Bool</i>	False	False	Whether this stage is open or closed.
Probability	<i>Decimal</i>	False	False	Current state of the pipeline stage.
Archived	<i>Bool</i>	True	False	Whether the stage is archived or not.
CreatedAt	<i>Datetime</i>	True	False	Time the stage was created.
UpdatedAt	<i>Datetime</i>	True	False	Time the stage was last updated.
DisplayOrder	<i>Int</i>	False	False	The order of the stage in the collection of stages for this pipeline.

Deals

Retrieve the available Deals in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Table Specific Information

A deal represents an ongoing transaction that a sales team is pursuing with a contact or company. It is tracked through pipeline stages until won or lost.

Select

When selecting deals, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM Deals WHERE [Amount] > 100 AND [Close Date] > '2020-01-01'
SELECT * FROM Deals WHERE [Deal Name] = 'John' OR [Deal Name] =
'William'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Deals WHERE {Column} = {Value} AND {Column} < {Value} AND
{Column} > {Value}
SELECT * FROM Deals WHERE {Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}
SELECT * FROM Deals WHERE ({Column} = {Value} AND {Column} = {Value}) OR
({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Deals WHERE ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value})
```

Insert

```
INSERT INTO Deals(Currency) VALUES('USD')
```

Update

```
UPDATE Deals SET Currency = 'EUR' WHERE ID='471395623'
```

Delete

```
DELETE FROM Deals WHERE ID='471395623'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	DateTime	True		False	When the object was created.
UpdatedAt	DateTime	True		False	When the object was last updated.
Amount in company currency	Decimal	True		True	The amount of the deal_ using the exchange rate_ in your company's currency

Days to close	<i>Decimal</i>	True	True	The number of days the deal took to close
Currency	<i>String</i>	False	True	Currency code for the deal.
Annual contract value	<i>Decimal</i>	True	True	The annual contract value _ ACV_ of this deal.
Business units	<i>String</i>	False	True	The business units this record is assigned to.
Deal Collaborator	<i>String</i>	True	True	Owner ids of the users involved in closing the deal
Deal Split Users	<i>String</i>	True	True	The owner ids of all associated Deal Splits. This property is set

				automatic ally by HubSpot.
Latest Source	<i>String</i>	True	True	Source for the contact either directly or indirectly associate d with the last session activity for this deal
Latest Source Company	<i>String</i>	True	True	Source for the company with an associate d contact with the last session activity for this deal
Latest Source Contact	<i>String</i>	True	True	Source for the directly associate d contact with the last session activity

				for this deal
Latest Source Data 1	<i>String</i>	True	True	Additional source details of the last session attributed to any contacts that are directly or indirectly associated with this deal
Latest Source Data 1 Company	<i>String</i>	True	True	Additional source details of the last session attributed to any contacts that are indirectly associated with this deal _ via a company association_
Latest Source Data 1 Contact	<i>String</i>	True	True	Additional source details of the last

				session attributed to any contacts that are directly associated with this deal
Latest Source Data 2	<i>String</i>	True	True	Additional source details of the last session attributed to any contacts that are directly or indirectly associated with this deal
Latest Source Data 2 Company	<i>String</i>	True	True	Additional source details of the last session attributed to any contacts that are indirectly associated with this deal

Latest Source Data 2 Contact	<i>String</i>	True	True	Additional source details of the last session attributed to any contacts that are directly associated with this deal
Latest Source Timestamp	<i>DateTime</i>	True	True	Timestamp of when latest source occurred for either a directly or indirectly associated contact
Latest Source Timestamp Company	<i>DateTime</i>	True	True	Timestamp of when latest source occurred for an indirectly associated contact
Latest Source Timestamp Contact	<i>DateTime</i>	True	True	Timestamp of when latest source

				occurred for a directly associated contact
Original Source Type	<i>String</i>	False	True	Original source for the contact with the earliest activity for this deal.
Original Source Data 1	<i>String</i>	True	True	Additional information about the original source for the associated contact_ or associated company if there is no contact_ with the oldest value for the Time first seen property.

Original Source Data 2	<i>String</i>	True	True	Additional information about the original source for the associated contact_ or associated company if there is no contact_ with the oldest value for the Time first seen property.
Annual recurring revenue	<i>Decimal</i>	True	True	The annual recurring revenue _ARR_ of this deal.
HubSpot Campaign	<i>String</i>	False	True	The marketing campaign the deal is associated with
Closed Deal Amount	<i>Decimal</i>	True	True	Returns the

					amount if the deal is closed. Else_ returns 0.
Closed Deal Amount In Home Currency	<i>Decimal</i>	True		True	Returns the amount in home currency if the deal is closed. Else_ returns 0.
Created by user ID	<i>Decimal</i>	True		True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Date entered 'Appointment Scheduled' stage_	<i>Decimal</i>	True		True	The date and time when the deal entered the 'Appointment Scheduled' stage_

				'Sales Pipeline' pipeline
Date entered 'Closed Lost _Sales Pipeline_'	<i>Date</i>	True	True	The date and time when the deal entered the 'Closed Lost' stage_ 'Sales Pipeline' pipeline
Date entered 'Closed Won _Sales Pipeline_'	<i>Date</i>	True	True	The date and time when the deal entered the 'Closed Won' stage_ 'Sales Pipeline' pipeline
Date entered 'Contract Sent _Sales Pipeline_'	<i>Date</i>	True	True	The date and time when the deal entered the 'Contract Sent' stage_ 'Sales Pipeline' pipeline

					Pipeline'	pipeline
Date entered 'Decision Maker BoughtIn _Sales Pipeline_	me	True	True	True	The date and time when the deal entered the 'Decision Maker Bought_In' stage_ 'Sales Pipeline' pipeline	
Date entered 'Presentation Scheduled _Sales Pipeline_	me	True	True	True	The date and time when the deal entered the 'Presentation Scheduled' stage_ 'Sales Pipeline' pipeline	
Date entered 'Qualified To Buy _Sales Pipeline_	me	True	True	True	The date and time when the deal entered the 'Qualified To Buy' stage_	

					'Sales Pipeline' pipeline
Date exited 'Appointment Scheduled _Sales Pipeline_'	<i>DateTime</i>	True	True	The date and time when the deal exited the 'Appointment Scheduled' stage_ 'Sales Pipeline' pipeline	
Date exited 'Closed Lost _Sales Pipeline_'	<i>DateTime</i>	True	True	The date and time when the deal exited the 'Closed Lost' stage_ 'Sales Pipeline' pipeline	
Date exited 'Closed Won _Sales Pipeline_'	<i>DateTime</i>	True	True	The date and time when the deal exited the 'Closed Won' stage_ 'Sales Pipeline' pipeline	

Date exited 'Contract Sent _Sales Pipeline_'	Time	True	True	The date and time when the deal exited the 'Contract Sent' stage_ 'Sales Pipeline' pipeline
Date exited 'Decision Maker BoughtIn _Sales Pipeline_'	Time	True	True	The date and time when the deal exited the 'Decision Maker BoughtIn' stage_ 'Sales Pipeline' pipeline
Date exited 'Presentation Scheduled _Sales Pipeline_'	Time	True	True	The date and time when the deal exited the 'Presentation Scheduled' stage_ 'Sales Pipeline' pipeline
Date exited 'Qualified To Buy _Sales Pipeline_'	Time	True	True	The date and time

					when the deal exited the 'Qualified To Buy' stage_ 'Sales Pipeline' pipeline
Deal amount calculation preference	<i>String</i>	False		True	Specifies how deal amount should be calculated from line items
Deal probability	<i>Decimal</i>	False		True	The probability a deal will close. This defaults to the deal stage probability setting.
Deal stage probability shadow	<i>Decimal</i>	True		True	Fall back property for calculating the deal stage when no customer override exist. Probabilit

					y between 0 and 1 of deal stage. Defaults to 0 for unknown deal stages.
Exchange rate	<i>Decimal</i>	True		True	This is the exchange rate used to convert the deal amount into your company currency.
Forecast amount	<i>Decimal</i>	True		True	The custom forecasted deal value calculated by multiplying the forecast probability and deal amount in your company's currency.
Forecast probability	<i>Decimal</i>	False		True	The custom percent

				probabilit y a deal will close.
Is Deal Closed_	<i>Bool</i>	True	True	True if the deal was won or lost.
Is Closed Won	<i>Bool</i>	True	True	True if the deal is in the closed won state_ false otherwise
Deal Split Added	<i>Bool</i>	True	True	Indicates if the deal is split between multiple users.
Last Modified Date	<i>DateTime</i>	True	True	Most recent timestam p of any property update for this deal. This includes HubSpot internal propertie s_ which can be visible or hidden.

					This property is updated automatically.
Likelihood to close by the close date	<i>Decimal</i>	True		True	Hubspot predicted likelihood between 0 and 1 of the deal to close by the close date.
Global Term Line Item Discount Percentage	<i>String</i>	False		True	For internal HubSpot Application use only. Global term for the discount percentage applied.
Global Term Line Item Discount Percentage Enabled	<i>Boolean</i>	False		True	For internal HubSpot Application use only. Indicates if the Global

					term for the discount percentage is enabled.
Global Term Line Item Recurring Billing Period	Starting	False		True	For internal HubSpot Application use only. Global term for product recurring billing duration.
Global Term Line Item Recurring Billing Period	Enabled	False		True	For internal HubSpot Application use only. Indicates if the Global term for product recurring billing duration is enabled.
Global Term Line Item Recurring Billing Start Date	Starting	False		True	For internal HubSpot

				Applicatio n use only. Global term for recurring billing start date for a line item.
Global Term Line Item Recurring Billing Start Date Enabled	Boolean	False	True	For internal HubSpot Applicatio n use only. Indicates if the Global term for recurring billing start date for a line item is enabled.
Global Term Line Item Recurring Billing Frequency	String	False	True	For internal HubSpot Applicatio n use only. Global term for how frequently the product is

				billed.
Global Term Line Item Recurring Billing Frequency Enabled	String	False	True	For internal HubSpot Application use only. Indicates if the Global term for how frequently the product is billed is enabled
Forecast category	String	False	True	The likelihood a deal will close. This property is used for manual forecasting your deals.
Merged object IDs	String	True	True	The list of object IDs that have been merged into this object. This value is automatic

					ally set by HubSpot and may not be modified.
Monthly recurring revenue	<i>Decimal</i>	True		True	The monthly recurring revenue _MRR_ of this deal.
Next step	<i>String</i>	False		True	A short description of the next step for the deal
Number of Active Deal Registrations	<i>Decimal</i>	True		True	The number of active deal registrations associated with this deal. This property is set automatically by HubSpot.
Number of Deal Registrations	<i>Decimal</i>	True		True	The number of deal registratio

					ns associate d with this deal. This property is set automatic ally by HubSpot.
Number of Deal Splits	<i>Decim al</i>	True		True	The number of deal splits associate d with this deal. This property is set automatic ally by HubSpot.
Number of target accounts	<i>Decim al</i>	True		True	The number of target account companie s associate d with this deal. This property is set automatic ally by HubSpot.

Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Pinned Engagement ID	<i>Decimal</i>	True	True	The object ID of the current pinned engagement. This value is automatically set by HubSpot and may not be modified.
The predicted deal amount	<i>Decimal</i>	True	True	Returns the multiplication of the deal amount times the predicted likelihood of the deal to close by

					the close date.
The predicted deal amount in your company's currency	Decimal	True	True	True	Returns the multiplication of the deal amount in your company's currency times the predicted likelihood of the deal to close by the close date.
Priority	String	False		True	
Weighted amount	Decimal	True		True	Returns the multiplication of the amount times the probability of the deal closing.
Weighted amount in company currency	Decimal	True		True	Returns the multiplication of the amount in

					home currency times the probability of the deal closing.
Read Only Object	<i>Bool</i>	True		True	Is the object read only
Total contract value	<i>Decimal</i>	True		True	The total contract value _TCV_ of this deal.
Time in 'Appointment Scheduled _Sales Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the deal in the 'Appointment Scheduled' stage_ 'Sales Pipeline' pipeline
Time in 'Closed Lost _Sales Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the deal in the 'Closed Lost'

					stage_ 'Sales Pipeline' pipeline
Time in 'Closed Won _Sales Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the deal in the 'Closed Won' stage_ 'Sales Pipeline' pipeline
Time in 'Contract Sent _Sales Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the deal in the 'Contract Sent' stage_ 'Sales Pipeline' pipeline
Time in 'Decision Maker BoughtIn _Sales Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the deal in the 'Decision Maker BoughtIn' stage_ 'Sales Pipeline' pipeline

				In' stage_ 'Sales Pipeline' pipeline
Time in 'Presentation Scheduled _Sales Pipeline_'	<i>Decimal</i>	True	True	The total time in seconds spent by the deal in the 'Presentat ion Schedule d' stage_ 'Sales Pipeline' pipeline
Time in 'Qualified To Buy _Sales Pipeline_'	<i>Decimal</i>	True	True	The total time in seconds spent by the deal in the 'Qualified To Buy' stage_ 'Sales Pipeline' pipeline
Unique creation key	<i>String</i>	True	True	Unique property used for idempote nt creates
Updated by user ID	<i>Decimal</i>	True	True	The user

					that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True		True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True		True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications

				ns
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>DateTime</i>	True	True	The date the most recent deal owner was assigned to a deal. This is updated automatically by HubSpot.
Deal Name	<i>String</i>	False	True	The name given to this deal.
Amount	<i>Decimal</i>	False	True	The total amount of the deal
Deal Stage	<i>String</i>	False	True	The stage of the deal. Deal stages allow you to categorize and track the progress of the

					deals that you are working on.
Pipeline	<i>String</i>	False		True	The pipeline the deal is in. This determines which stages are options for the deal.
Close Date	<i>DateTime</i>	False		True	Date the deal was closed. This property is set automatically by HubSpot.
Create Date	<i>DateTime</i>	False		True	Date the deal was created. This property is set automatically by HubSpot.
Date of last meeting booked in meetings tool	<i>DateTime</i>	True		True	The date of the most recent

				meeting an associate d contact has booked through the meetings tool.
Campaign of last booking in meetings tool	String	True	True	This UTM parameter shows which marketing campaign _e.g. a specific email_ referred an associate d contact to the meetings tool for their most recent booking. This property is only populated when you add tracking paramete rs to your meeting

				link.
Medium of last booking in meetings tool	<i>String</i>	True	True	This UTM parameter shows which channel _e.g. email_ referred an associated contact to the meetings tool for their most recent booking. This property is only populated when you add tracking parameters to your meeting link.
Source of last booking in meetings tool	<i>String</i>	True	True	This UTM parameter shows which site _e.g. Twitter_ referred an

				associate d contact to the meetings tool for their most recent booking. This property is only populated when you add tracking paramete rs to your meeting link.
Latest meeting activity	<i>Date time</i>	True	True	The date of the most recent meeting _ past or upcomin g_ logged for_ scheduled with_ or booked by a contact associate d with this deal.
Recent Sales Email Replied Date	<i>Date time</i>	True	True	The last time a

				tracked sales email was replied to for this deal
Deal owner	<i>String</i>	False	True	User the deal is assigned to. Assign additional users to a deal record by creating a custom user property.
Last Contacted	<i>DateTime</i>	True	True	The last time a call_ sales email_ or meeting was logged for this deal. This is set automatically by HubSpot based on user actions.
Last Activity Date	<i>DateTime</i>	True	True	The last time a

				note_ call_ email_ meeting_ or task was logged for a deal. This is updated automatic ally by HubSpot.
Next Activity Date	<i>Date time</i>	True	True	The date of the next upcoming activity for a deal. This property is set automatic ally by HubSpot based on user action. This includes logging a future call_ sales email_ or meeting using the Log feature_

					as well as creating a future task or scheduling a future meeting. This is updated automatically by HubSpot.
Number of times contacted	<i>Decimal</i>	True		True	The total number of sales activities _notes_ calls_ emails_ meetings_ or tasks_ logged for a deal. This is updated automatically by HubSpot.
Number of Sales Activities	<i>Decimal</i>	True		True	The total number of times a sales email or call has been logged for a deal. This is

				updated automatically by HubSpot.
HubSpot Create Date	<i>DateTime</i>	True	True	The date the deal was created. This property is set automatically by HubSpot.
HubSpot Team	<i>String</i>	True	True	Primary team of the deal owner. This property is set automatically by HubSpot.
Deal Type	<i>String</i>	False	True	The type of deal. By default_ categorize your deal as either a New Business or Existing Business.

All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
Deal Description	<i>String</i>	False	True	Description of the deal
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all

					owner referencing properties for this object_ both default and custom
Number of Associated Contacts	<i>Decimal</i>	True		True	The number of contacts associated with this deal. This property is set automatically by HubSpot.
Closed Lost Reason	<i>String</i>	False		True	Reason why this deal was lost
Closed Won Reason	<i>String</i>	False		True	Reason why this deal was won

EngagementsCalls

Retrieve the available Calls in HubSpot.

Select

When selecting Call Engagements, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators is: =.

```
SELECT * FROM EngagementsCalls WHERE ID = '11896247257'
```

Insert

```
INSERT INTO EngagementsCalls([Call Title], [Call notes], [Call
duration], [From Number], [To Number], [Recording URL], [Call status],
[Activity date])
VALUES ('CallEngagement Title', 'CallEngagement Body', '60', '123-456-
7890', '789-123-4560', 'https://www.cdata.com', 'CALLING_CRM_USER',
current_timestamp() )
```

Update

```
UPDATE EngagementsCalls SET [Call status] = 'COMPLETED' WHERE ID
='11896247257'
```

Delete

```
DELETE FROM EngagementsCalls WHERE ID = '11896247257'
```

Columns

Name	Type	ReadOnl y	Referenc es	Filterab le	Description
Id [KEY]	Long	False		True	Unique identifier of

				the object.
Archived	<i>Bool</i>	True	False	Whether the object is archived or not.
CreatedAt	<i>Datetime</i>	True	False	When the object was created.
UpdatedAt	<i>Datetime</i>	True	False	When the object was last updated.
Call and meeting type	<i>String</i>	False	True	The activity type of the engagement
Business units	<i>String</i>	False	True	The business units this record is assigned to.
AtMentioned Owner Ids	<i>String</i>	False	True	The owners that have been at_ mentioned on the engagement
Attached file IDs	<i>String</i>	False	True	The IDs of the files that are attached to the engagement
Call notes preview	<i>String</i>	True	True	A truncated preview of

				the call notes
HTML Body Preview	<i>String</i>	True	True	The HTML representation of the engagement body preview
Body Preview Truncated	<i>Bool</i>	True	True	Indicates if the engagement body was truncated for the preview
Integrating App ID	<i>Decimal</i>	False	True	The App ID associated with the integrating app
Authenticated recording files url provider	<i>String</i>	True	True	URL which returns Authenticated audio_video URL of the recording
Call notes	<i>String</i>	False	True	The body of the call
Callee object id	<i>Decimal</i>	False	True	The id of the callee
Callee object type	<i>String</i>	False	True	The type of callee

Call direction	<i>String</i>	False	True	The direction of a call
Call outcome	<i>String</i>	False	True	The outcome of the call
Call duration	<i>Decimal</i>	False	True	The duration of the call_ in milliseconds
External Account ID	<i>String</i>	False	True	External Account ID
External ID	<i>String</i>	False	True	The external ID of the call
From Number	<i>String</i>	False	True	The phone number of the person that initiated the call
From Number Name	<i>String</i>	True	True	The name of the phone number that initiated the call
Transcript Available	<i>Bool</i>	False	True	Flag to indicate if the call has an associated transcript
Voicemail Available	<i>String</i>	True	True	Flag to indicate if

				the call has an associated voicemail
Recording URL	<i>String</i>	False	True	The URL of the recorded call audio
Call Source	<i>String</i>	False	True	The source of the call to differentiate VoIP vs Video Conferencing Apps
Call status	<i>String</i>	False	True	The status of the call
Call Title	<i>String</i>	False	True	The title of the call
To Number	<i>String</i>	False	True	The phone number of the person that was called
To Number Name	<i>String</i>	True	True	The name of the phone number that was called
Tracked terms	<i>String</i>	True	True	A list of any tracked terms contained in the call transcript

Call transcription id	<i>Decimal</i>	False	True	The id of the transcription
Video url	<i>String</i>	False	True	Video URL of the recording
Unique Zoom Meeting ID	<i>String</i>	False	True	The Zoom meeting unique identifier of the call
Calls Service Call ID	<i>Decimal</i>	True	True	The Calls Service specific global unique identifier for a call
Activity created by	<i>Decimal</i>	True	True	The user who created the engagement
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Create date	<i>Datetime</i>	True	True	The date that an engagement

				was created
Engagement Source	<i>String</i>	False	True	The source that created this engagement
Engagement Source ID	<i>String</i>	False	True	The specific ID of the process that created this engagement
Follow up action	<i>String</i>	False	True	What action should be performed during follow up
GDPR deleted	<i>Bool</i>	True	True	Indicates the body of this engagement has been cleared because of a GDPR delete request
Last modified date	<i>Datetime</i>	True	True	The date any property on this engagement was modified
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into

				this object. This value is automatically set by HubSpot and may not be modified.
Updated by	<i>Decimal</i>	True	True	The user who last updated the engagement
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Product name	<i>String</i>	False	True	The name of the product associated with this engagement
Queue Memberships	<i>String</i>	False	True	The list of queues that contain this engagement
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Activity date	<i>Datetime</i>	False	True	The date that an engagement

				occurred
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Unique ID	<i>String</i>	False	True	The unique ID of the engagement
Unknown Visitor Conversation	<i>Bool</i>	False	True	Whether or not this communication was made with an unknown visitor
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow

				notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The timestamp when an owner was assigned to this engagement
Activity assigned to	<i>String</i>	False	True	The user that the activity is assigned to in HubSpot. This can be any HubSpot user or Salesforce integration user_ and can be set manually or via

				Workflows.
HubSpot Team	<i>String</i>	True	True	The team of the owner of an engagement.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom

EngagementsEmails

Retrieve the available Emails in HubSpot.

Select

When selecting Email Engagements, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators is: =.

```
SELECT * FROM EngagementsEmails WHERE ID = '11896047040'
```

Insert

```
INSERT INTO EngagementsEmails([Activity date], [Email Direction],  
[Attached Video Opened], [Attached Video Watched], [Email send status],  
[Email subject], [Email body], [UpdatedAt])  
VALUES(CURRENT_TIMESTAMP(), 'EMAIL', TRUE, TRUE, 'BOUNCED', 'subject',  
'text', CURRENT_TIMESTAMP() )
```

Update

```
UPDATE EngagementsEmails SET [Email body] = 'Updated email body', [Email  
send status] = 'FAILED' WHERE ID = '11896047040'
```

Delete

```
DELETE FROM EngagementsEmails WHERE ID = '11896047040'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	Datetime	True		False	When the object was created.
UpdatedAt	Datetime	True		False	When the object was last updated.
Business units	String	False		True	The business units this record is assigned to.
AtMentioned Owner Ids	String	False		True	The owners that have been at_ mentioned on the engagement
Attached file IDs	String	False		True	The IDs of the files that are attached to the engagement

Body preview	<i>String</i>	True	True	A truncated preview of the engagement body
HTML Body Preview	<i>String</i>	True	True	The HTML representation of the engagement body preview
Body Preview Truncated	<i>Bool</i>	True	True	Indicates if the engagement body was truncated for the preview
Activity created by	<i>String</i>	True	True	The user who created the engagement
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Create date	<i>Datetime</i>	True	True	The date that an engagement

				was created
Email direction and unique ID	<i>String</i>	True	True	The direction and unique ID of the email
Attached Video	<i>String</i>	False	True	The ID of a video optionally attached to an email
Attached Video Name	<i>String</i>	False	True	The name of a video optionally attached to an email
Attached Video Opened	<i>Bool</i>	False	True	Has the video attachment been opened
Attached Video Watched	<i>Bool</i>	False	True	Has the video attachment been watched
Email BCC Address	<i>String</i>	True	True	Email addresses of the email's BCC recipients
Email BCC First Name	<i>String</i>	True	True	First names of the

				email's BCC recipients
Email BCC Last Name	<i>String</i>	True	True	Last names of the email's BCC recipients
Email BCC	<i>String</i>	True	True	Raw header values of the email's BCC recipients
Email Bounce Error Detail Message	<i>String</i>	False	True	The message from the bounce error.
Email Bounce Error Detail Status Code	<i>Decimal</i>	False	True	The status code from the bounce error.
Email CC Address	<i>String</i>	True	True	Email addresses of the email's CC recipients
Email CC First Name	<i>String</i>	True	True	First names of the email's CC recipients
Email CC Last Name	<i>String</i>	True	True	Last names of the email's CC recipients

Email CC	<i>String</i>	True	True	Raw header values of the email's CC recipients
Email Direction	<i>String</i>	False	True	The direction the email was sent in
Encoded Email Associations Request	<i>String</i>	True	True	Encoded email associations request
Error Message	<i>String</i>	False	True	The error that occurred while sending the email
Email Send Id	<i>String</i>	True	True	The ID of the email send event sent through Facsimile
Email From Address	<i>String</i>	True	True	Email address of the email's sender
Email From First Name	<i>String</i>	True	True	First name of the email's sender

Email From Last Name	<i>String</i>	True	True	Last name of the email's sender
Email From	<i>String</i>	True	True	Raw header value of the email's sender
Email Headers	<i>String</i>	False	True	The sender and receivers of the email
Email body	<i>String</i>	False	True	This is the body of any email sent from a record. It doesn't include emails received from contacts.
Logged From	<i>String</i>	False	True	Where the email was logged
Media Processing Status	<i>String</i>	False	True	Processing status for this email's images and attachments
Email is member of forwarded subthread	<i>Boolean</i>	False	True	Whether this email is a member

				of a forwarded subthread
Message ID	<i>String</i>	False	True	The ID of the message
EmailMigratedViaPortalDataMigration	<i>String</i>	False	True	Indicates that the email was migrated from another portal using DataMigration tool
Email pending inline image file IDs	<i>String</i>	False	True	File IDs of pending inline images in the email's HTML
PostSend Status	<i>String</i>	False	True	A description of what happened to the email _successful send_ bounced_ dropped_ and why
RecipientDrop Reasons	<i>String</i>	False	True	A list of the dropped recipients paired with the reason

				each was dropped
Email Send Event Id	<i>String</i>	False	True	The ID of the email send event
Email Send Event Id Created	<i>Datetime</i>	False	True	The date when the email send event ID was created
Email Sender Address	<i>String</i>	True	True	Email address of the email's sender
Email Sender First Name	<i>String</i>	True	True	First name of the email's sender
Email Sender Last Name	<i>String</i>	True	True	Last name of the email's sender
Email Sender	<i>String</i>	True	True	Raw header value of the email's sender
Sent Via	<i>String</i>	False	True	How the email was sent
Email send status	<i>String</i>	False	True	The send status of the email

Email subject	<i>String</i>	False	True	The subject of the email
Text	<i>String</i>	False	True	The plaintext of the email
Thread ID	<i>String</i>	False	True	The thread that the email belongs to
Email To Address	<i>String</i>	True	True	Email addresses of the email's recipients
Email To First Name	<i>String</i>	True	True	First names of the email's recipients
Email To Last Name	<i>String</i>	True	True	Last names of the email's recipients
Email To	<i>String</i>	True	True	Raw header values of the email's recipients
Tracker Key	<i>String</i>	False	True	The tracker key of the email
Validation Skipped	<i>String</i>	False	True	Validation skipped that would have otherwise

				rejected logging
Engagement Source	<i>String</i>	False	True	The source that created this engagement
Engagement Source ID	<i>String</i>	False	True	The specific ID of the process that created this engagement
Follow up action	<i>String</i>	False	True	What action should be performed during follow up
GDPR deleted	<i>Bool</i>	True	True	Indicates the body of this engagement has been cleared because of a GDPR delete request
Last modified date	<i>Datetime</i>	True	True	The date any property on this engagement was modified

Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Updated by	<i>String</i>	True	True	The user who last updated the engagement
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Product name	<i>String</i>	False	True	The name of the product associated with this engagement
Queue Memberships	<i>String</i>	False	True	The list of queues that contain this

				engagement
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Activity date	<i>Datetime</i>	False	True	The date that an engagement occurred
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Unique ID	<i>String</i>	False	True	The unique ID of the engagement
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to

				getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The timestamp when an owner was assigned to this engagement
Activity assigned to	<i>String</i>	False	True	The user that the activity is assigned to in HubSpot. This can be any HubSpot user or Salesforce integration

				user_ and can be set manually or via Workflows.
HubSpot Team	<i>String</i>	True	True	The team of the owner of an engagement.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all

owner
referencing
properties
for this
object_
both default
and custom

EngagementsMeetings

Retrieve the available Meetings in HubSpot.

Select

When selecting Meeting Engagements, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators is: =.

```
SELECT * FROM EngagementsMeetings WHERE ID = '11896378834'
```

Insert

```
INSERT INTO EngagementsMeetings([Activity date], [Meeting name],  
[Meeting description], [Internal Meeting Notes])  
VALUES (current_timestamp(), 'Meeting Engagement Title', 'Meeting  
Engagement Body', 'Internal Note');
```

Update

```
UPDATE EngagementsMeetings SET [Meeting start time] = current_timestamp  
( ) WHERE ID = '11896378834'
```

Delete

```
DELETE FROM EngagementsMeetings WHERE ID = '11896378834'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	Datetime	True		False	When the object was created.
UpdatedAt	Datetime	True		False	When the object was last updated.
Call and meeting type	String	False		True	The activity type of the engagement
Business units	String	False		True	The business units this record is assigned to.
AtMentioned Owner Ids	String	False		True	The owners that have been at_ mentioned

				on the engagement
Attached file IDs	<i>String</i>	False	True	The IDs of the files that are attached to the engagement
HubSpot attendee owner IDs	<i>String</i>	False	True	List of HubSpot owner IDs for additional attendees
Body preview	<i>String</i>	True	True	A truncated preview of the engagement body
HTML Body Preview	<i>String</i>	True	True	The HTML representation of the engagement body preview
Body Preview Truncated	<i>Bool</i>	True	True	Indicates if the engagement body was truncated for the preview
Activity created by	<i>Decimal</i>	True	True	The user who created the

				engagement
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Create date	<i>Datetime</i>	True	True	The date that an engagement was created
Engagement Source	<i>String</i>	False	True	The source that created this engagement
Engagement Source ID	<i>String</i>	False	True	The specific ID of the process that created this engagement
Follow up action	<i>String</i>	False	True	What action should be performed during follow up
GDPR deleted	<i>Bool</i>	True	True	Indicates the body of this engagement has been cleared

				because of a GDPR delete request
iCalUid	<i>String</i>	True	True	The iCalUid of the synced event
Internal Meeting Notes	<i>String</i>	False	True	
Last modified date	<i>Datetime</i>	True	True	The date any property on this engagement was modified
Meeting description	<i>String</i>	False	True	The text description of the meeting
Meeting calendar event hash	<i>String</i>	False	True	The unique hash for the meeting
Meeting change id	<i>String</i>	False	True	The unique change id for the meeting
Created From Link ID	<i>String</i>	False	True	Created From Link ID
Meeting end time	<i>Datetime</i>	False	True	The date when the meeting ends

External URL	<i>String</i>	False	True	The external URL for the meeting
Meeting location	<i>String</i>	False	True	Where the meeting takes place
Location type	<i>String</i>	False	True	The type of location for the meeting event
Meeting outcome	<i>String</i>	False	True	The outcome of this meeting
Payments session id	<i>String</i>	False	True	The payments session id for the meeting
PreMeeting prospect reminders	<i>String</i>	False	True	A list of dates when meeting reminders should be sent to prospects
Meeting source	<i>String</i>	True	True	The source where the meeting was booked
Source ID	<i>String</i>	False	True	The source ID of the meeting

Meeting start time	<i>Datetime</i>	False	True	The date when the meeting starts
Meeting name	<i>String</i>	False	True	The title of the meeting
Web conference meeting ID	<i>String</i>	False	True	The meeting ID of the web conference
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Updated by	<i>Decimal</i>	True	True	The user who last updated the engagement
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not

				be modified.
Product name	<i>String</i>	False	True	The name of the product associated with this engagement
Queue Memberships	<i>String</i>	False	True	The list of queues that contain this engagement
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Scheduled tasks	<i>String</i>	True	True	
Activity date	<i>Datetime</i>	False	True	The date that an engagement occurred
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Unique ID	<i>String</i>	False	True	The unique ID of the engagement
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automaticall

				y set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The timestamp when an owner was assigned to this

				engagement
Activity assigned to	<i>String</i>	False	True	The user that the activity is assigned to in HubSpot. This can be any HubSpot user or Salesforce integration user_ and can be set manually or via Workflows.
HubSpot Team	<i>String</i>	True	True	The team of the owner of an engagement.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing

				properties for this object_ both default and custom
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ correspondi ng to all owner referencing properties for this object_ both default and custom

EngagementsNotes

Retrieve the available Notes in HubSpot.

Select

When selecting Note Engagements, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators is: =.

```
SELECT * FROM EngagementsNotes WHERE ID = '11896226519'
```

Insert

```
INSERT INTO EngagementsNotes([Note body], [UpdatedAt], [Activity date])  
VALUES ('Body of the note.', current_timestamp(), current_timestamp() )
```

Update

```
UPDATE EngagementsNotes SET [Note body] = 'Updated body of the note.'
WHERE ID = '11896226519'
```

Delete

```
DELETE FROM EngagementsNotes WHERE ID = '11896226519'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	Datetime	True		False	When the object was created.
UpdatedAt	Datetime	True		False	When the object was last updated.
Business units	String	False		True	The business units this record is

				assigned to.
AtMentioned Owner Ids	<i>String</i>	False	True	The owners that have been at_ mentioned on the engagement
Attached file IDs	<i>String</i>	False	True	The IDs of the files that are attached to the engagement
Body preview	<i>String</i>	True	True	A truncated preview of the engagegeme nt body
HTML Body Preview	<i>String</i>	True	True	The HTML representati on of the engagement body preview
Body Preview Truncated	<i>Bool</i>	True	True	Indicates if the engagement body was truncated for the preview
Activity created by	<i>Decimal</i>	True	True	The user who created the engagement

Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Create date	<i>Datetime</i>	True	True	The date that an engagement was created
Engagement Source	<i>String</i>	False	True	The source that created this engagement
Engagement Source ID	<i>String</i>	False	True	The specific ID of the process that created this engagement
Follow up action	<i>String</i>	False	True	What action should be performed during follow up
GDPR deleted	<i>Bool</i>	True	True	Indicates the body of this engagement has been cleared because of a GDPR delete

				request
Last modified date	<i>Datetime</i>	True	True	The date any property on this engagement was modified
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Updated by	<i>Decimal</i>	True	True	The user who last updated the engagement
Note body	<i>String</i>	False	True	The body of the note
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.

Product name	<i>String</i>	False	True	The name of the product associated with this engagement
Queue Memberships	<i>String</i>	False	True	The list of queues that contain this engagement
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Activity date	<i>Datetime</i>	False	True	The date that an engagement occurred
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Unique ID	<i>String</i>	False	True	The unique ID of the engagement
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.

User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The timestamp when an owner was assigned to this engagement
Activity assigned to	<i>String</i>	False	True	The user that the

				activity is assigned to in HubSpot. This can be any HubSpot user or Salesforce integration user_ and can be set manually or via Workflows.
HubSpot Team	<i>String</i>	True	True	The team of the owner of an engagement.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and

				custom
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom

EngagementsTasks

Retrieve the available Tasks in HubSpot.

Select

When selecting Task Engagements, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators is: =.

```
SELECT * FROM EngagementsTasks WHERE ID = '11896356808'
```

Insert

```
INSERT INTO EngagementsTasks([Task title], [Task notes], [Task status],
[Task type], [Activity date])
VALUES ('Test Task Title', 'Body of the task', 'IN_PROGRESS', 'LINKED_
IN_MESSAGE', current_timestamp())
```

Update

```
UPDATE EngagementsTasks SET [Task notes] = 'Updated Task body test',
[Task status] = 'COMPLETED' WHERE ID = '11896363224'
```

Delete

```
DELETE FROM EngagementsTasks WHERE ID = '11896363224'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	<i>Long</i>	False		True	Unique identifier of the object.
Archived	<i>Bool</i>	True		False	Whether the object is archived or not.
CreatedAt	<i>Datetime</i>	True		False	When the object was created.
UpdatedAt	<i>Datetime</i>	True		False	When the object was last updated.
Business units	<i>String</i>	False		True	The business units this record is assigned to.

AtMentioned Owner Ids	<i>String</i>	False	True	The owners that have been at_ mentioned on the engagement
Attached file IDs	<i>String</i>	False	True	The IDs of the files that are attached to the engagement
Notes _preview_	<i>String</i>	True	True	A plain_text preview of the notes field on a task
HTML Body Preview	<i>String</i>	True	True	The HTML representati on of the engagement body preview
Body Preview Truncated	<i>Bool</i>	True	True	Indicates if the engagement body was truncated for the preview
Calendar Event ID	<i>String</i>	True	True	The event ID for the synced task.
Created by	<i>Decimal</i>	True	True	The user who created

				the engagement
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Created at	<i>Datetime</i>	True	True	The date that an engagement was created
Source	<i>String</i>	False	True	The source that created this engagement
Source ID	<i>String</i>	False	True	The specific ID of the process that created this engagement
Follow up action	<i>String</i>	False	True	What action should be performed during follow up
GDPR deleted	<i>Bool</i>	True	True	Indicates the body of this engagement

				has been cleared because of a GDPR delete request
Last modified at	<i>Datetime</i>	True	True	The date any property on this engagement was modified
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Last modified by	<i>Decimal</i>	True	True	The user who last updated the engagement
MS Teams message ID	<i>String</i>	True	True	The message ID for the created task.
Associated Companies	<i>Decimal</i>	True	True	The number of companies

				associated with this task
Associated Contacts	<i>Decimal</i>	True	True	The number of contacts associated with this task
Associated Deals	<i>Decimal</i>	True	True	The number of deals associated with this task
Associated Queue Objects	<i>Decimal</i>	True	True	The number of objects associated with this task that support task queues
Associated Tickets	<i>Decimal</i>	True	True	The number of tickets associated with this task
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.

Product name	<i>String</i>	False	True	The name of the product associated with this engagement
Queue	<i>String</i>	False	True	The list of queues that contain this engagement
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Task repeat status	<i>String</i>	True	True	Indicates whether the task is currently repeating
Scheduled tasks	<i>String</i>	True	True	
Notes	<i>String</i>	False	True	The content in the notes field on a task
Completed at	<i>Datetime</i>	True	True	The date that the task was completed
Contact Time Zone	<i>String</i>	True	True	The time zone of the associated contact
For Object Type	<i>String</i>	False	True	The object type for the

				task
Task is all day	<i>Bool</i>	False	True	Determines if the task is due all day or at a specific time
Last contacted	<i>Datetime</i>	True	True	The last time a call_email_ or meeting was logged for the associated contact. This is set automatically by HubSpot based on user actions in the contact record
Last engagement	<i>Datetime</i>	True	True	The date of the last sales activity with the associated contact. This is set automatically by HubSpot based on user actions in the contact

				record
Priority	<i>String</i>	False	True	The priority of the task
Task probability to complete	<i>Decimal</i>	True	True	The probability the task will be completed
Relative Task Reminders	<i>String</i>	False	True	The dates _relative to the due date_ when reminders will be sent
Reminder	<i>String</i>	False	True	The dates when reminders will be sent
Interval	<i>String</i>	True	True	How often the task should repeat
Send Default Reminder	<i>Bool</i>	False	True	Whether or not a reminder should be sent when the task is due
Sequence Enrollment Is Active	<i>Bool</i>	True	True	Whether the sequence enrollment this task is a

				part of is currently active
Sequence step enrollment Id	<i>String</i>	True	True	The id of the sequence step that created the task
Sequence step number	<i>Decimal</i>	True	True	The order of this task in the sequence at time of enrollment
Task Status	<i>String</i>	False	True	The status of the task
Task Title	<i>String</i>	False	True	The subject text for the task
Task template id	<i>Decimal</i>	True	True	The id of template the task was created from
Task Type	<i>String</i>	False	True	The type of task
Due date	<i>Datetime</i>	False	True	The date that an engagement occurred
Unique creation key	<i>String</i>	True	True	Unique property

				used for idempotent creates
Unique ID	<i>String</i>	False	True	The unique ID of the engagement
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting

				follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The timestamp when an owner was assigned to this engagement
Assigned to	<i>String</i>	False	True	The user that the activity is assigned to in HubSpot. This can be any HubSpot user or Salesforce integration user_ and can be set manually or via Workflows.
HubSpot Team	<i>String</i>	True	True	The team of the owner of an engagement.
All owner ids	<i>String</i>	True	True	The value of

				all owner referencing properties for this object_ both default and custom
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom

FeedbackSubmissionAssociations

Retrieve the IDs of all the objects associated to specific Feedbacksubmissions objects in HubSpot.

View Specific Information

This is a sample associations table exposed when the [ExpandAssociations](#) connection property is set to False (default).

Select

A query to this table will return will return the Id-s of all the records and their corresponding object type associated to a specific FeedbackSubmission record.

```
SELECT * FROM FeedbackSubmissionAssociations
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False	Feedbacksubmissio ns.Id	False	Feedbacksubmissio ns ID
AssociationId [KEY]	Long	False		False	ID of the object that this Feedbacksubmissio ns object is associated with.
Type [KEY]	String	False		False	Type of the associated object_ which can be a contact_ deal etc.
TypeId [KEY]	String	False	AssociationsTypes .Id	False	The numeric ID for the association type. This column is empty for more general associations queries.

TypeName [KEY]	String	True	AssociationsTypes .Type	False	The name of the association type for the specified object pair. This column is empty for more specific associations queries.
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Feedbacksubmissions

Retrieve the available Feedbacksubmissions in HubSpot.

Table Specific Information

When contacts submit feedback to your surveys, you can use submission data in HubSpot tools to help understand how customers feel about your business.

Select

When selecting contacts, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM FeedbackSubmissions WHERE [Survey Name] = 'Customer
Support Survey 1' AND [Date] > '2021-08-01'
SELECT * FROM FeedbackSubmissions WHERE [Email] = 'test@example.com' OR
[Feedback sentiment] = 'PROMOTER'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Contacts WHERE {Column} = {Value} AND {Column} < {Value}
AND {Column} > {Value}
SELECT * FROM Contacts WHERE {Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}
```

```

SELECT * FROM Contacts WHERE ({Column} = {Value} AND {Column} = {Value})
OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Contacts WHERE ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value})

```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	Datetime	True		False	When the object was created.
UpdatedAt	Datetime	True		False	When the object was last updated.
Agent email	String	True		True	Conversation agent's email
Agent responsible for the conversation	Decimal	True		True	Agent responsible for the conversation

				n which led to the feedback
Agent name	<i>String</i>	True	True	Conversation agent's full name
All accessible team IDs	<i>String</i>	True	True	The team IDs_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom
Business units	<i>String</i>	False	True	The business units this record is assigned to.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom.
All team ids	<i>String</i>	True	True	The team

				ids corresponding to all owner referencing properties for this object_ both default and custom.
Chatflow ID	<i>Decimal</i>	True	True	Chatflow ID of the conversation associated to the submission
Chatflow name	<i>String</i>	True	True	The name of the chatflow associated to the submission
Chatflow object id	<i>Decimal</i>	True	True	Chatflow object id of the conversation associated to the submission
Contact first name	<i>String</i>	True	True	First name of the contact associated with the submission
Contact Id	<i>Decimal</i>	True	True	The id of

				the contact most recently associated with this submission
Contact last name	<i>String</i>	True	True	Last name of the contact associated with the submission
Conversation thread id	<i>Decimal</i>	True	True	Thread id of the conversation associated to the submission
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Object create date_time	<i>Datetime</i>	True	True	The date and time at which this object was created. This value is automatically set by

					HubSpot and may not be modified.
Object last modified date_time	<i>Datetime</i>	True		True	Most recent timestamp of any property update for this object. This includes HubSpot internal properties_ which can be visible or hidden. This property is updated automatically.
Merged object IDs	<i>String</i>	True		True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Record ID	<i>Decimal</i>	True		True	The unique

				ID for this record. This value is automatically set by HubSpot and may not be modified.
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Tag IDs	<i>String</i>	True	True	Tag IDs assigned to this submission.
Tags	<i>String</i>	True	True	Tags assigned to this submission.
Ticket id	<i>Decimal</i>	True	True	ID of the ticket associated with the submission
Ticket owner avatar uri	<i>String</i>	True	True	Avatar URI of the ticket associated to the feedback's owner
Ticket owner	<i>Decimal</i>	True	True	User the ticket is assigned to which is

				associated to feedback submission
Ticket name	<i>String</i>	True	True	Short summary of ticket associated with the submission
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications

User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The most recent date an owner was assigned to this object. This is set automatically by HubSpot and can be used for segmentation and reporting.
Owner	<i>String</i>	False	True	The owner of the object.
HubSpot Team	<i>String</i>	True	True	The primary team of the owner.

Industry Standard Question Type	<i>String</i>	True	True	Industry standard question type for custom surveys
Sentiment	<i>String</i>	True	True	This column is a custom field. Sentiment of feedback submission based on survey type
Survey ID	<i>Decimal</i>	True	True	The survey id that the feedback submission is linked with
Survey Type	<i>String</i>	True	True	The type of the survey
Source	<i>String</i>	True	True	The channel of the survey when the feedback submission occurred
Date	<i>Datetime</i>	True	True	The timestamp of the feedback submission

Rating	<i>Decimal</i>	True	True	The value of the feedback submission
Feedback sentiment	<i>String</i>	True	True	The sentiment of the feedback submission
Response	<i>String</i>	False	True	The follow-up response of the feedback submission
Ingestion id	<i>String</i>	True	True	The identifier we use when we initially capture a feedback submission
Knowledge article id	<i>Decimal</i>	True	True	The id of the knowledge article this submission was for
Visitor id	<i>Decimal</i>	True	True	The id of the visitor who submitted this feedback
Engagement id	<i>Decimal</i>	True	True	The id of

				the equivalent engagement object
Submission URL	<i>String</i>	True	True	The URL of the page the submission was made from
Survey Name	<i>String</i>	True	True	The name of the feedback survey the submission is linked with
Form guid	<i>String</i>	True	True	The form guid that the feedback submission is linked with
Email	<i>String</i>	True	True	The email of the contact associated with a feedback submission
Submission Name	<i>String</i>	True	True	The email of the contact associated with a feedback submission

Forms

Retrieve HubSpot forms used to collect lead information about your visitors and contacts.

Select

When selecting Forms, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators is: =.

```
SELECT * FROM Forms WHERE ID = '96ec8565-3b73-4ee8-9815-f90566ba9c42'
```

Insert

```
INSERT INTO Forms(Name, FormType, CreatedAt, language)
VALUES ('Test Form Name', 'hubspot', current_timestamp(), 'en')
```

Update

```
UPDATE Forms SET Archivable = true, Editable = true, Cloneable = true,
SubmitButtonText = 'Updated!'
WHERE ID = '96ec8565-3b73-4ee8-9815-f90566ba9c42'
```

Delete

```
DELETE FROM Forms WHERE ID = '96ec8565-3b73-4ee8-9815-f90566ba9c42'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description

Id [KEY]	<i>String</i>	True	True	ID of Marketing Form.
Name	<i>String</i>	False	False	The title of the Form.
FormType	<i>String</i>	False	False	Form Type.
FieldGroups	<i>String</i>	False	False	Field Groups aggregate.
Language	<i>String</i>	False	False	Language.
Cloneable	<i>Bool</i>	False	False	Cloneable.
Editable	<i>Bool</i>	False	False	Editable.
Archivable	<i>Bool</i>	False	False	Archivable.
RecaptchaEnabled	<i>Bool</i>	False	False	Recaptcha Enabled.
NotifyContactOwner	<i>Bool</i>	False	False	Notify Contact Owner.
NewContactNewEmail	<i>Bool</i>	False	False	Create new contact for new email.
PrePopulate	<i>Bool</i>	False	False	Prepopulate known values.

AllowLinkToReset	<i>Bool</i>	False	False	Allow link to reset known values.
RenderRawHtml	<i>Bool</i>	False	False	Render raw HTML.
Theme	<i>String</i>	False	False	Theme.
SubmitButtonText	<i>String</i>	False	False	Submit Button Text.
CssClass	<i>String</i>	False	False	CSS Class.
Style	<i>String</i>	False	False	Form Type.
CreatedAt	<i>Datetime</i>	False	False	When the meeting was created.
UpdatedAt	<i>Datetime</i>	False	False	When the meeting was last updated.
Archived	<i>Bool</i>	True	False	Determines whether the meeting is archived.

LineitemAssociations

Retrieve the IDs of all the objects associated to specific Lineitems objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False	Lineitems.Id	False	Lineitems ID
AssociationId [KEY]	Long	False		False	ID of the object that this Lineitems object is associated with.
Type [KEY]	String	False		False	Type of the associated object_ which can be a contact_ deal etc.
TypeId [KEY]	String	False	AssociationsTypes.Id	False	The numeric ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	String	True	AssociationsTypes.Type	False	The name of the association type for the specified object pair. This column is empty for more specific associations queries.

Lineitems

Retrieve the available Lineitems in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Table Specific Information

In HubSpot, line items can be thought of as a subset of products. When a product is attached to a deal, it becomes a line item. You can create line items that are unique to an individual quote, but they will not be added to your product library.

Select

When selecting line items, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM LineItems WHERE [Amount] > 1000 AND [Quantity] >= 10
SELECT * FROM LineItems WHERE [Product price] = 40 OR [Product
description] = 'White t-shirt'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM LineItems WHERE {Column} = {Value} AND {Column} < {Value}
AND {Column} > {Value}
SELECT * FROM LineItems WHERE {Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}
SELECT * FROM LineItems WHERE ({Column} = {Value} AND {Column} =
{Value}) OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM LineItems WHERE ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value})
```

Insert

```
INSERT INTO LineItems(Description, [Product ID]) VALUES('description',
'33318601')
```

Update

```
UPDATE LineItems SET Description = 'new description' WHERE
ID='168209183'
```

Delete

```
DELETE FROM Deals WHERE ID='168209183'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	<i>Long</i>	False		True	Unique identifier of the object.
Archived	<i>Bool</i>	True		False	Whether the object is archived or not.
CreatedAt	<i>Datetime</i>	True		False	When the object was created.
UpdatedAt	<i>Datetime</i>	True		False	When the object was last

				updated.
Net price	<i>Decimal</i>	True	True	The amount of a line item
Create Date	<i>Datetime</i>	False	True	The date the line item was created
Description	<i>String</i>	False	True	Full description of product
Unit discount	<i>Decimal</i>	False	True	The discount amount applied
Annual contract value	<i>Decimal</i>	True	True	The annual contract value _ACV_ of this product
All accessible team IDs	<i>String</i>	True	True	The team IDs_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom

Business units	<i>String</i>	False	True	The business units this record is assigned to.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom.
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom.
Allow buyer selected quantity	<i>String</i>	True	True	Whether buyer selected quantity is to be enabled or not for a LineItem
Annual recurring revenue	<i>Decimal</i>	True	True	The annual recurring revenue _ARR_ of this

				product
Delayed billing start by days	<i>Decimal</i>	False	True	Number of days billing should be delayed by. It allows the customers to start billing sometime in the future
Delayed billing start by months	<i>Decimal</i>	False	True	Number of months billing should be delayed by. It allows the customers to start billing sometime in the future.
Start billing terms	<i>String</i>	True	True	The type of billing start delay. It can be a fixed date in the future_ relative delay in number of days or months
Unit cost	<i>Decimal</i>	False	True	The amount that sold goods cost

				the HubSpot customer
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Object create date_time	<i>Datetime</i>	True	True	The date and time at which this object was created. This value is automatically set by HubSpot and may not be modified.
Discount Percentage	<i>Decimal</i>	False	True	The discount percentage applied
External LineItem id	<i>Decimal</i>	True	True	The ID of a line item
Image URL	<i>String</i>	False	True	Product images.
Last Modified Date	<i>Datetime</i>	True	True	The date any property on

				this product was modified
Currency	<i>String</i>	False	True	Currency code for the line item.
Margin	<i>Decimal</i>	True	True	The margin value of this product
Annual contract value margin	<i>Decimal</i>	True	True	The margin annual contract value of this product
Annual recurring revenue margin	<i>Decimal</i>	True	True	The margin annual recurring revenue of this product
Monthly recurring revenue margin	<i>Decimal</i>	True	True	The margin monthly recurring revenue of this product
Total contract value margin	<i>Decimal</i>	True	True	The margin total contract value of this product
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been

				merged into this object. This value is automatically set by HubSpot and may not be modified.
Monthly recurring revenue	<i>Decimal</i>	True	True	The monthly recurring revenue _MRR_ of this product
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Position on quote	<i>Decimal</i>	False	True	The order which the line item appears on the quotes
Pre Discount Amount	<i>Decimal</i>	True	True	The pre_discount amount of a line item
Product ID	<i>Decimal</i>	False	True	ID of the product this was copied

				from
Read Only Object	<i>Bool</i>	True	True	Is the object read only
End Date	<i>Date</i>	True	True	Recurring billing end date for a line item
Number of payments	<i>Decimal</i>	True	True	Number of payments for the given period on a Line Item
Term	<i>String</i>	False	True	Product recurring billing duration
Billing start date	<i>Date</i>	False	True	Recurring billing start date for a line item
Billing terms	<i>String</i>	True	True	If there are fixed number payments or it goes on until cancelled
SKU	<i>String</i>	False	True	Unique product identifier
Sync amount	<i>Decimal</i>	True	True	The amount set by

				Ecommerce sync
Total contract value	<i>Decimal</i>	True	True	The total contract value _TCV_ of this product
Term in months	<i>Decimal</i>	True	True	The number of months in the term of this product
Calculated Total Discount	<i>Decimal</i>	True	True	Calculated total Discount for the line item taking in consideration the flat amount and discount percentage.
Unique creation key	<i>String</i>	True	True	Unique property used for idempotent creates
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot

				and may not be modified.
URL	<i>String</i>	False	True	Product url.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Variant id of the product	<i>Decimal</i>	True	True	Variant id of the shopify product

Owner Assigned Date	<i>Datetime</i>	True	True	The most recent date an owner was assigned to this object. This is set automatically by HubSpot and can be used for segmentation and reporting.
Owner	<i>String</i>	False	True	The owner of the object.
HubSpot Team	<i>String</i>	True	True	The primary team of the owner.
Name	<i>String</i>	False	True	Product name
Unit price	<i>Decimal</i>	False	True	Cost of product
Quantity	<i>Decimal</i>	False	True	How many units of a product are in this line item
Billing frequency	<i>String</i>	False	True	How often a line item with

				recurring billing is billed. It informs the pricing calculation for deals and quotes. Line items with one_time billing aren't included.
Tax	Decimal	False	True	The tax amount applied

Products

Retrieve the available Products in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Table Specific Information

In HubSpot, products represent the goods or services you sell. Building a product library allows you to quickly add products to deals, generate quotes, and report on product performance.

Select

When selecting products, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM Products WHERE [Created by user ID] = 4465089 AND [Product price] > 250
SELECT * FROM Products WHERE [Created by user ID] = 4465089 OR [Created by user ID] = 4465090
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Products WHERE {Column} = {Value} AND {Column} < {Value}
AND {Column} > {Value}
SELECT * FROM Products WHERE {Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}
SELECT * FROM Products WHERE ({Column} = {Value} AND {Column} = {Value})
OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Products WHERE ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >=
{Value} AND {Column} <= {Value})
```

Insert

```
INSERT INTO Products([Product description]) VALUES('description')
```

Update

```
UPDATE Products SET [Product description] = 'new description' WHERE
ID='75229453'
```

Delete

```
DELETE FROM Products WHERE ID='75229453'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	Datetime	True		False	When the object was created.
UpdatedAt	Datetime	True		False	When the object was last updated.
Net price	Decimal	True		True	Internal placeholder _to prevent conflicts with line item property of same name_
Create Date	Datetime	False		True	The date the product was created
Product description	String	False		True	Full description of product
Unit discount	Decimal	False		True	The

				discount amount applied
All accessible team IDs	<i>String</i>	True	True	The team IDs_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom
Business units	<i>String</i>	False	True	The business units this record is assigned to.
All owner ids	<i>String</i>	True	True	The value of all owner referencing properties for this object_ both default and custom.
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing

				properties for this object_ both default and custom.
Avatar FileManager key	<i>String</i>	True	True	The path in the FileManager CDN for this product's image. Automatically set by HubSpot.
Unit cost	<i>Decimal</i>	False	True	The amount that sold goods cost the HubSpot customer
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Object create date_time	<i>Datetime</i>	True	True	The date and time at which this object was created. This value is automaticall

				y set by HubSpot and may not be modified.
Discount Percentage	<i>Decimal</i>	False	True	The discount percentage applied
Folder Id	<i>Decimal</i>	False	True	The ID of the folder that has this product
Image Url	<i>String</i>	False	True	Product images.
Last Modified Date	<i>Datetime</i>	True	True	The date any property on this product was modified
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.
Record ID	<i>Decimal</i>	True	True	The unique

				ID for this record. This value is automatically set by HubSpot and may not be modified.
Product Type	<i>String</i>	False	True	The type of product. By default_ categorize your product as either Inventory_ Non_ Inventory or Service.
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Term	<i>String</i>	False	True	Product recurring billing duration
Start Date	<i>Date</i>	False	True	Recurring billing start date for a line item
SKU	<i>String</i>	False	True	Unique product identifier
Unique creation key	<i>String</i>	True	True	Unique property

				used for idempotent creates
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
URL	<i>String</i>	False	True	Product url.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow

				notifications
User IDs of all owners	<i>String</i>	True	True	The user IDs of all owners of this object
Owner Assigned Date	<i>Datetime</i>	True	True	The most recent date an owner was assigned to this object. This is set automatically by HubSpot and can be used for segmentation and reporting.
Owner	<i>String</i>	False	True	The owner of the object.
HubSpot Team	<i>String</i>	True	True	The primary team of the owner.
Name	<i>String</i>	False	True	Product name
Unit price	<i>Decimal</i>	False	True	Cost of product
Quantity	<i>Decimal</i>	True	True	Internal placeholder _to prevent

					conflicts with line item property of same name_
Recurring billing frequency	<i>String</i>	False		True	How often a product with recurring billing is billed. It informs the pricing calculation for deals and quotes. Products with one_time billing aren_t included.
Tax	<i>Decimal</i>	False		True	The tax amount applied

QuoteAssociations

Retrieve the IDs of all the objects associated to specific Quotes objects in HubSpot. table supports only PrivateAppToken authentication.

Columns

Name	Type	ReadOnly	References	Filterable	Description
------	------	----------	------------	------------	-------------

Id [KEY]	<i>Long</i>	False	Quotes.Id	False	Quotes ID
AssociationId [KEY]	<i>Long</i>	False		False	ID of the object that this Quotes object is associated with.
Type [KEY]	<i>String</i>	False		False	Type of the associated object_ which can be a contact_ deal etc.
TypeId [KEY]	<i>String</i>	False	AssociationsTypes .Id	False	The numeric ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	<i>String</i>	True	AssociationsTypes .Type	False	The name of the association type for the specified object pair. This column is empty for more specific associations queries.

Quotes

Retrieve the available Quotes in HubSpot. This table supports only PrivateAppToken authentication.

Table Specific Information

In HubSpot, quotes are used to share pricing information with potential buyers.

Select

When selecting quotes, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM Quotes WHERE [Sender company city] = 'San Francisco' AND
[Quote amount] > 1000
SELECT * FROM Quotes WHERE [Sender company city] = 'San Francisco' OR
[Sender company city] = 'Los Angeles'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Quotes WHERE {Column} = {Value} AND {Column} < {Value} AND
{Column} > {Value}
SELECT * FROM Quotes WHERE {Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}
SELECT * FROM Quotes WHERE ({Column} = {Value} AND {Column} = {Value})
OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Quotes WHERE ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value})
```

Insert


```
INSERT INTO Quotes([Quote Title]) VALUES('title')
```

Update

```
UPDATE Quotes SET [Quote Title] = 'new title' WHERE ID='75229453'
```

Delete

```
DELETE FROM Quotes WHERE ID='75229453'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	DateTime	True		False	When the object was created.
UpdatedAt	DateTime	True		False	When the object was last updated.

Business units	<i>String</i>	False	True	The business units this record is assigned to.
Allowed Payment Methods	<i>String</i>	False	True	Accepted forms of payment if quote is using HubSpot Payment
Quote Approver	<i>String</i>	False	True	
Collect Billing Address	<i>Bool</i>	False	True	Indicates if billing address should be collected with this quote
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
Create date	<i>DateTime</i>	True	True	The date the quote was

				created
Quote Domain	<i>String</i>	False	True	Domain this quote should be served from
ESign Date	<i>DateTime</i>	True	True	The date and time the document was signed by all signers
Expiration Template Path	<i>String</i>	False	True	Path of the expiration template for the quote
Quote approval feedback	<i>String</i>	False	True	Feedback about this quote during the approval process
Language	<i>String</i>	False	True	The language for displaying this quote publicly
Last modified date	<i>DateTime</i>	True	True	The last time any property on the quote was

				modified
Global Term Line Item Discount Percentage	String	False	True	For internal HubSpot Application use only. Global term for the discount percentage applied.
Global Term Line Item Discount Percentage	Boolean	False	True	For internal HubSpot Application use only. Indicates if the Global term for the discount percentage is enabled.
Global Term Line Item Recurring Billing Period	String	False	True	For internal HubSpot Application use only. Global term for product recurring billing duration.
Global Term Line Item Recurring Billing Period	Boolean	False	True	For internal HubSpot Application use only. Indicates if the Global

						term for product recurring billing duration is enabled.
Global Term Line Item Recurring Billing Start Date	String	False		True		For internal HubSpot Application use only. Global term for recurring billing start date for a line item.
Global Term Line Item Recurring Billing Start Date Enabled	Boolean	False		True		For internal HubSpot Application use only. Indicates if the Global term for recurring billing start date for a line item is enabled.
Global Term Line Item Recurring Billing Frequency	String	False		True		For internal HubSpot Application use only. Global term for how frequently the product is billed.

Global Term Line Item Recurring Billing Frequency Enabled	<i>Boolean</i>	False	True	For internal HubSpot Application use only. Indicates if the Global term for how frequently the product is billed is enabled
Locale	<i>String</i>	False	True	The locale for displaying this quote publicly
Locked	<i>Boolean</i>	True	True	Indicates if this quote is locked and can never be updated
Merged object IDs	<i>String</i>	True	True	The list of object IDs that have been merged into this object. This value is automatically set by HubSpot and may not be modified.

Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Payment date	<i>DateTime</i>	True	True	The date the quote was paid by the customer
Payment Status	<i>String</i>	True	True	Payment status for the quote
Payment Type	<i>String</i>	False	True	Payment type for the quote if payment is enabled
Quote PDF download link	<i>String</i>	True	True	The link to download a pdf of a quote
Proposal Domain	<i>String</i>	True	True	Domain this proposal should be served from
Proposal Slug	<i>String</i>	True	True	Path to serve this

				proposal from
Proposal Template	<i>String</i>	False	True	Template Path this proposal is rendered with
Public URL key	<i>String</i>	True	True	Key for accessing quote document URL
Quote Total Preference	<i>String</i>	False	True	What Lineltem property will be used to calculate the Quote Amount
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Sender image URL	<i>String</i>	False	True	URL to image of the sender avatar image to be set on the quote
Quote Slug	<i>String</i>	False	True	Path to serve this quote from
Template Type	<i>String</i>	False	True	Whether

					this Quote is rendered with the default templates
Test mode	<i>Bool</i>	False	True		Indicates if the quote is in test mode
Unique creation key	<i>String</i>	True	True		Unique property used for idempotent creates
Updated by user ID	<i>Decimal</i>	True	True		The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True		The user IDs of all users that have clicked follow within the object to opt_in to getting

					follow notification s
User IDs of all notification unfollowers	<i>String</i>	True		True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of getting follow notifications
User IDs of all owners	<i>String</i>	True		True	The user IDs of all owners of this object
Owner assigned date	<i>DateTime</i>	True		True	The date an owner was assigned to the quote
Sender company name	<i>String</i>	False		True	The name of the company sending this quote
Sender first name	<i>String</i>	False		True	First name of the sender of this quote

Quote title	<i>String</i>	False	True	The title of this quote
Expiration date	<i>DateTime</i>	False	True	The date that this quote expires
Sender company domain	<i>String</i>	False	True	The domain of the company sending this quote
Sender last name	<i>String</i>	False	True	Last name of the sender of this quote
Comments to buyer	<i>String</i>	False	True	Comments to the buyer
Sender company street address	<i>String</i>	False	True	The street address of the company sending this quote
Sender email	<i>String</i>	False	True	Email address of the sender of this quote
Sender company street address 2	<i>String</i>	False	True	The second line of the street address of

				the company sending this quote
Sender phone number	<i>String</i>	False	True	Phone number of the sender of this quote
Terms	<i>String</i>	False	True	Any relevant information about pricing_ purchasing terms_ and_or master agreements
Logo URL	<i>String</i>	False	True	URL to image of the logo displayed on the quote
Sender company city	<i>String</i>	False	True	The city in which the company sending this quote is located
Sender job title	<i>String</i>	False	True	Job title of the sender of this quote

Sender company state_region	<i>String</i>	False	True	The state_region in which the company sending this quote is located
Space for written signature	<i>Bool</i>	False	True	Indicates if the quote document should have a place for a written signature
Branding color	<i>String</i>	False	True	Color value used on the quote document
Recent Sales Email Replied Date	<i>DateTime</i>	True	True	The last time a tracked sales email was replied to for this quote
Sender company postal code	<i>String</i>	False	True	The zip code in which the company sending this quote is located
Space for written countersignature	<i>Bool</i>	False	True	Indicates if the quote

				document should have a place for a written countersignature
Quote owner	<i>String</i>	False	True	The owner of the quote
Last Contacted	<i>DateTime</i>	True	True	The last timestamp when a call_ email or meeting was logged for this quote
Last Activity Date	<i>DateTime</i>	True	True	The last time a note_ call_ email_ meeting_ or task was logged for a quote. This is set automatically by HubSpot based on user actions in the quote record.
Next Activity Date	<i>DateTime</i>	True	True	The date of

	<i>me</i>				the next upcoming activity for this quote
Number of times contacted	<i>Decimal</i>	True		True	The number of times a call_email or meeting was logged for this quote
Number of Sales Activities	<i>Decimal</i>	True		True	Number of sales activities for this quote
Currency	<i>String</i>	False		True	Currency code for the quote
Sender company country	<i>String</i>	False		True	The country in which the company sending this quote is located
HubSpot team	<i>String</i>	True		True	The name of the team associated with the owner of the quote
All owner ids	<i>String</i>	True		True	The value

				of all owner referencing properties for this object_ both default and custom
Sender company image URL	<i>String</i>	False	True	URL to image of the sender company image to be set on the quote
Time zone	<i>String</i>	False	True	Timezone for displaying dates on the quote
All team ids	<i>String</i>	True	True	The team ids corresponding to all owner referencing properties for this object_ both default and custom
Payment enabled	<i>Bool</i>	False	True	Indicates if payment can be collected

				via the quote link
All accessible team ids	<i>String</i>	True	True	The team ids_ including up the team hierarchy_ corresponding to all owner referencing properties for this object_ both default and custom
ESign enabled	<i>Bool</i>	False	True	Indicates if esign is enabled for quote
Associated Deals	<i>Decimal</i>	True	True	The number of deals associated with this quote. This is set automatically by HubSpot.
ESign number of signers required	<i>Decimal</i>	True	True	Total number of signers required for

					this quote to be fully signed
Legacy Quote Template	String	False	True		The legacy quote template used to generate a quote. These templates will be sunset on Dec. 12th 2022.
ESign completed signatures	Decimal	True	True		Number of completed signatures collected so far
Quote amount	Decimal	True	True		The total due for the quote
Quote approval status	String	False	True		Approval status of the quote
Quote number	String	False	True		Reference number shown on quote document
Collect shipping address	Bool	False	True		Indicates if shipping address

should be collected with this quote

Threads

Retrieve the available Threads in a Conversation in HubSpot.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	String	False		True	The unique Id of the thread.
CreatedAt	Datetime	False			Time the thread was created.
ClosedAt	Datetime	False			Time the thread was closed.
Status	String	False			The thread's status: open or closed.
LatestMessageTimestamp	Datetime	False			The time that the latest message was sent or received on the thread.

LatestMessageSentTimestamp	<i>DateTime</i>	False	The time that the latest message was sent on the thread.
LatestMessageReceivedTimestamp	<i>DateTime</i>	False	The time that the latest message was received on the thread.
AssignedTo	<i>String</i>	False	The Id of an actor/participant in a conversation.
Spam	<i>Bool</i>	False	Whether the thread is marked as spam.
InboxId	<i>String</i>	False	The Id of the conversations' inbox containing the thread.
AssociatedContactId	<i>String</i>	False	The Id of the associated Contact in the CRM.
Archived	<i>Bool</i>	False	Whether the thread is archived.

TicketAssociations

Retrieve the IDs of all the objects associated to specific Tickets objects in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False	Tickets.Id	False	Tickets ID
AssociationId [KEY]	Long	False		False	ID of the object that this Tickets object is associated with.
Type [KEY]	String	False		False	Type of the associated object_ which can be a contact_ deal etc.
TypeId [KEY]	String	False	AssociationsTypes.Id	False	The numeric ID for the association type. This column is empty for more general associations queries.
TypeName [KEY]	String	True	AssociationsTypes.Type	False	The name of the association

type for the specified object pair. This column is empty for more specific associations queries.

TicketPipelines

Discover pipelines that a ticket goes through in HubSpot.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	<i>String</i>	False		False	The unique identified of the pipeline.
Label	<i>String</i>	False		False	The label <code>_name_</code> of the pipeline.
Archived	<i>Bool</i>	True		False	Whether the pipeline is archived or not.
CreatedAt	<i>Datetime</i>	True		False	When the pipeline was created.
UpdatedAt	<i>Datetime</i>	True		False	When the pipeline was last updated.
DisplayOrder	<i>Int</i>	False		False	The order of this specific pipeline in the collection of

					pipelines for this table.
StagesAggregate	String	False		False	An aggregate of the stages included in this pipeline. This information can be viewed in more detail in TicketPipelineStages table.

TicketPipelineStages

Pipeline stages of tickets in HubSpot.

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	String	False		False	Unique identifier of the stage in this pipeline.
PipelineId [KEY]	String	False	TicketPipelines .Id	False	Unique identifier of the pipeline.
Label	String	False		False	Label _name_ of the pipeline stage.
PipelineLabel	String	True	TicketPipelines .Label	False	The label _name_ of the pipeline.

IsClosed	<i>Bool</i>	False	False	Whether this stage is open or closed.
State	<i>String</i>	False	False	Current state of the pipeline stage.
Archived	<i>Bool</i>	True	False	Whether the stage is archived or not.
CreatedAt	<i>Datetime</i>	True	False	Time the stage was created.
UpdatedAt	<i>Datetime</i>	True	False	Time the stage was last updated.
DisplayOrder	<i>Int</i>	False	False	The order of the stage in the collection of stages for this pipeline.

Tickets

Retrieve the available Tickets in HubSpot. This table supports both OAuth and PrivateAppToken authentications.

Table Specific Information

In HubSpot, a ticket represents a customer request for help or support. The tickets endpoints allow you to manage this data and sync it between HubSpot and other systems.

Select

When selecting tickets, they can be filtered by columns marked below as 'Filterable'. For those columns, the supported server-side operators are =, !=, <, <=, >, >=. Further filtering is available using AND and OR combinations. A maximum of 2 OR operators are supported server-side, with each of these operators supporting up to 2 AND operators inside of them. For example:

```
SELECT * FROM Tickets WHERE [Number of times contacted] > 5 AND [Ticket
status] < 4
SELECT * FROM Tickets WHERE [Source] = 'EMAIL' OR [Source] = 'PHONE'
```

In the below server-offloading examples, "{Column}" represents any column you'd like to filter and "{Value}" represents any value you want to filter it on:

```
SELECT * FROM Tickets WHERE {Column} = {Value} AND {Column} < {Value}
AND {Column} > {Value}
SELECT * FROM Tickets WHERE {Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}
SELECT * FROM Tickets WHERE ({Column} = {Value} AND {Column} = {Value})
OR ({Column} != {Value} AND {Column} >= {Value})
SELECT * FROM Tickets WHERE ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value}) OR ({Column} != {Value} AND {Column} >= {Value}
AND {Column} <= {Value})
```

Insert

```
INSERT INTO Tickets([Ticket name]) VALUES('ticket')
```

Update

```
UPDATE Tickets SET [Ticket name] = 'new ticket' WHERE ID='50962544'
```

Delete

```
DELETE FROM Tickets WHERE ID='50962544'
```

Columns

Name	Type	ReadOnly	References	Filterable	Description
Id [KEY]	Long	False		True	Unique identifier of the object.
Archived	Bool	True		False	Whether the object is archived or not.
CreatedAt	DateTime	True		False	When the object was created.
UpdatedAt	DateTime	True		False	When the object was last updated.
Close date	DateTime	False		True	The date the ticket was closed
Created by	Decimal	False		True	VID of contact that created the ticket
Create date	DateTime	False		True	The date the ticket

					was created
First agent email response date	<i>DateTime</i>	True		True	The date of the first email response from an agent after a ticket was created
Business units	<i>String</i>	False		True	The business units this record is assigned to.
Assignment Method	<i>String</i>	False		True	defines how the Object Assignment is done
AutoGenerated from thread id	<i>Decimal</i>	True		True	Thread that this ticket was automatically created for using ticket rules
Originating Conversations Message Id	<i>String</i>	False		True	Conversations Message Id of the

				message that originated this ticket
Conversations originating thread id	<i>Decimal</i>	False	True	Thread that this ticket was originally created for
Created by user ID	<i>Decimal</i>	True	True	The user that created this object. This value is automatically set by HubSpot and may not be modified.
HubSpot create date	<i>DateTime</i>	True	True	Internal read_only property representing the date the ticket was created in HubSpot
Custom inbox ID	<i>Decimal</i>	False	True	ID of the custom inbox the ticket is associated

					with
Date entered 'New _Support Pipeline_'	<i>Date/time</i>	True		True	The date and time when the ticket entered the 'New' stage_ 'Support Pipeline' pipeline
Date entered 'Waiting on contact _Support Pipeline_'	<i>Date/time</i>	True		True	The date and time when the ticket entered the 'Waiting on contact' stage_ 'Support Pipeline' pipeline
Date entered 'Waiting on us _Support Pipeline_'	<i>Date/time</i>	True		True	The date and time when the ticket entered the 'Waiting on us' stage_ 'Support Pipeline' pipeline

Date entered 'Closed _Support Pipeline_'	<i>Date</i>	True	True	The date and time when the ticket entered the 'Closed' stage_ 'Support Pipeline' pipeline
Date exited 'New _Support Pipeline_'	<i>Date</i>	True	True	The date and time when the ticket exited the 'New' stage_ 'Support Pipeline' pipeline
Date exited 'Waiting on contact _Support Pipeline_'	<i>Date</i>	True	True	The date and time when the ticket exited the 'Waiting on contact' stage_ 'Support Pipeline' pipeline
Date exited 'Waiting on us _Support Pipeline_'	<i>Date</i>	True	True	The date and time when the ticket

					exited the 'Waiting on us' stage_ 'Support Pipeline' pipeline
Date exited 'Closed _Support Pipeline_'	<i>Date time</i>	True		True	The date and time when the ticket exited the 'Closed' stage_ 'Support Pipeline' pipeline
External object ids	<i>String</i>	False		True	Unique ids corresponding to tickets in a system outside of HubSpot
Last CES survey comment	<i>String</i>	True		True	Last CES survey comment that this contact gave for this ticket
Last CES survey rating	<i>String</i>	True		True	Last CES survey rating that this contact

					gave for this ticket
Last CES survey date	<i>DateTime</i>	True	True		The time that this contact last submitted a CES survey response. This is automatically set by HubSpot.
File upload	<i>String</i>	False	True		Files attached to a support form by a contact.
First agent response date	<i>DateTime</i>	True	True		The date of the first response from an agent out of all associated conversations
In Help Desk	<i>Bool</i>	False	True		Is this Ticket rendered in the Help Desk
Inbox ID	<i>Decimal</i>	True	True		Inbox the

	<i>al</i>			ticket is in
Last email activity	<i>String</i>	True	True	The type of the last email activity with the contact associated with the ticket.
Last email date	<i>DateTime</i>	True	True	The date of the last email activity with the contact associated with the ticket.
Last message received date	<i>DateTime</i>	True	True	The date of the last response from the visitor
Last response date	<i>DateTime</i>	True	True	The date of the last response from an agent or bot
Last activity date	<i>DateTime</i>	True	True	The last time a note_ call_ email_ meeting_

				or task was logged for a ticket. This is updated automatically by HubSpot.
Last contacted date	<i>Date time</i>	True	True	The last time a call_ chat conversation_ LinkedIn message_ postal mail_ meeting_ sales email_ SMS_ or WhatsApp message was logged for a ticket. This is set automatically by HubSpot based on user actions in the ticket record.
Last modified date	<i>Date time</i>	True	True	Most

					recent timestamp of any property update for this ticket. This includes HubSpot internal properties_ which can be visible or hidden. This property is updated automatically.
Latest message seen by agent ids	String	True		True	Agents who have seen the newest message across all conversations associated to the ticket
Merged ticket ids	String	True		True	All ticket ids for this ticket
Microsoft Teams message ID for this ticket	String	True		True	Microsoft Teams message

				ID for this ticket.
Next activity date	<i>Date time</i>	True	True	The date of the next upcoming activity for a ticket. This property is set automatically by HubSpot based on user action. This includes logging a future call_email_ or meeting using the Log feature_ as well as creating a future task or scheduling a future meeting. This is updated automatically by HubSpot.

Number of Associated Companies	<i>Decimal</i>	True	True	Number of companies associated with this ticket
Number of times contacted	<i>Decimal</i>	True	True	The number of times a call_email_ or meeting was logged on the ticket
Record ID	<i>Decimal</i>	True	True	The unique ID for this record. This value is automatically set by HubSpot and may not be modified.
Originating channel account	<i>String</i>	True	True	First channel account used when conversation was started
Originating email engagement id	<i>Decimal</i>	True	True	Engagement id of the email

				originating this ticket
Originating channel type	<i>String</i>	True	True	The channel the conversation is in
Pinned Engagement ID	<i>Decimal</i>	True	True	The object ID of the current pinned engagement. This value is automatically set by HubSpot and may not be modified.
Pipeline	<i>String</i>	False	True	The pipeline that contains this ticket
Ticket status	<i>String</i>	False	True	The pipeline stage that contains this ticket
Read Only Object	<i>Bool</i>	True	True	Is the object read only
Resolution	<i>String</i>	False	True	The action

				taken to resolve the ticket
Thread IDs To Restore	<i>String</i>	False	True	Thread IDs _from cv_threads_ used to implement custom cascading delete_restore
Category	<i>String</i>	False	True	Main reason customer reached out for help
Ticket ID	<i>Decimal</i>	True	True	The unique id for this ticket. This unique id is automatically populated by HubSpot.
Priority	<i>String</i>	False	True	The level of attention needed on the ticket
Time in 'New _Support Pipeline_'	<i>Decimal</i>	True	True	The total

	<i>al</i>				time in seconds spent by the ticket in the 'New' stage_ 'Support Pipeline' pipeline
Time in 'Waiting on contact _Support Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the ticket in the 'Waiting on contact' stage_ 'Support Pipeline' pipeline
Time in 'Waiting on us _Support Pipeline_'	<i>Decimal</i>	True		True	The total time in seconds spent by the ticket in the 'Waiting on us' stage_ 'Support Pipeline' pipeline
Time in 'Closed _Support Pipeline_'	<i>Decimal</i>	True		True	The total time in

					seconds spent by the ticket in the 'Closed' stage_ 'Support Pipeline' pipeline
Time to Close SLA Due Date	<i>DateTime</i>	True		True	When the ticket falls out of Time to Close SLA.
Time to Close SLA Ticket Status	<i>String</i>	True		True	Current Time to Close SLA status of ticket
Time to First Response SLA Due Date	<i>DateTime</i>	True		True	When the ticket falls out of the Time to First Response SLA
Time to First Response SLA Status	<i>String</i>	True		True	Current Time to First Response SLA status.
Unique creation key	<i>String</i>	True		True	Unique property used for idempoten

				t creates
Updated by user ID	<i>Decimal</i>	True	True	The user that last updated this object. This value is automatically set by HubSpot and may not be modified.
User IDs of all notification followers	<i>String</i>	True	True	The user IDs of all users that have clicked follow within the object to opt_in to getting follow notifications
User IDs of all notification unfollowers	<i>String</i>	True	True	The user IDs of all object owners that have clicked unfollow within the object to opt_out of

					getting follow notifications
User IDs of all owners	<i>String</i>	True		True	The user IDs of all owners of this object
Owner assigned date	<i>DateTime</i>	True		True	The date an owner was assigned to the ticket
Date of last engagement	<i>DateTime</i>	True		True	The date of the last reply or note
Last customer reply date	<i>DateTime</i>	True		True	The date of the last customer response
NPS follow up	<i>String</i>	False		True	Answer to NPS follow up question
NPS follow up question	<i>Decimal</i>	False		True	Specific version of NPS follow up question that was asked

Conversation NPS score	<i>String</i>	False	True	NPS score received after ticket resolution
Reference to email thread	<i>String</i>	False	True	The id of an email thread with ticket conversation
Time to close	<i>Decimal</i>	True	True	The time between when the ticket was created and closed
Time to first agent email reply	<i>Decimal</i>	True	True	The time from the ticket create date to the first agent email reply
Ticket name	<i>String</i>	False	True	Short summary of ticket
Ticket description	<i>String</i>	False	True	Description of the ticket
Source	<i>String</i>	False	True	Channel where ticket was

					originally submitted
Reference to sourceSpecific object	<i>String</i>	False		True	The id of a connected source object
Tags	<i>String</i>	False		True	Tags associated with your tickets
Recent Sales Email Replied Date	<i>DateTime</i>	True		True	The last time a tracked sales email was replied to for this ticket
Ticket owner	<i>String</i>	False		True	User the ticket is assigned to. Assign additional users to a ticket record by creating a custom user property.
Last Contacted _Ticket Note_	<i>DateTime</i>	True		True	The last timestamp when a call_ email or meeting

				was logged for this ticket
Last Activity Date _Ticket Note_	<i>Date time</i>	True	True	The last time a note_ call_ email_ meeting_ or task was logged for a ticket. This is set automatically by HubSpot based on user actions in the ticket record.
Next Activity Date _Ticket Note_	<i>Date time</i>	True	True	The date of the next upcoming activity for this ticket
Number of times contacted _Ticket Note_	<i>Decimal</i>	True	True	The number of times a call_ email or meeting was logged for this ticket
Number of Sales Activities	<i>Decimal</i>	True	True	Number of sales

				activities for this ticket
HubSpot team	<i>String</i>	True	True	Primary team of the ticket owner. This property is set automatic ally by HubSpot.
All owner ids	<i>String</i>	True	True	The value of all owner referencin g properties for this object_ both default and custom
All team ids	<i>String</i>	True	True	The team IDs_ including up the team hierarchy_ correspon ding to all owner referencin g properties

				for this object_ both default and custom
All accessible team ids	<i>String</i>	True	True	The team IDs_ including up the team hierarchy_ correspon ding to all owner referencin g properties for this object_ both default and custom

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.

HubSpot Adapter Views

Name	Description
AssociationsTypes	Retrieve all available association types between a pair of CRM objects.
CustomObjectProperties	Retrieve the available Custom Objects Properties in HubSpot.
CustomObjects	Retrieve the available Custom Objects in HubSpot.
Files	Search through files in the file manager. Does not display hidden or archived files. Requires files or files.ui_hidden.read as a scope.
Folders	Search for folders. Does not contain hidden or archived folders. Requires files or files.ui_hidden.read as a scope.
Owners	HubSpot uses owners to assign CRM objects to specific people in your organization. The endpoints described here are used to get a list of the owners that are available for an account.
ThreadMessages	Retrieve the entire message history in a Thread
WebAnalytics	The Web Analytics endpoint allows developers to find and filter events associated with a CRM object of any type.

AssociationsTypes

Retrieve all available association types between a pair of CRM objects.

Columns

Name	Type	References	Filterable	Description

Id [KEY]	<i>String</i>		The numeric ID for the association type.
Type	<i>String</i>		The name of the association type for the specified object pair.
Label	<i>String</i>		The alphanumeric label. Will be null for the unlabeled association type.
Category	<i>String</i>		Whether the association type was created by HubSpot or a user (HUBSPOT_DEFINED and USER_DEFINED).
FromObjectType [KEY]	<i>String</i>	True	The first object's type to retrieve association types for.
ToObjectType [KEY]	<i>String</i>	True	The second object's type to retrieve association types for.

CustomObjectProperties

Retrieve the available Custom Objects Properties in HubSpot.

Columns

Name	Type	References	Filterable	Description
ObjectId	<i>String</i>		False	An assigned unique ID for the object_

			including portal ID and object name.
ObjectFullyQualifiedName [KEY]	String	False	A unique ID for this schema's object type. It is defined as _meta_type____unique ID_.
ObjectName	String	False	A unique name for the schema's object type.
ObjectLabelSingular	String	False	Singular label for the object. Used in CRM display.
ObjectLabelPlural	String	False	Plural label for the object. Used in CRM display.
Name [KEY]	String	False	The internal property name_ which must be used when referencing the property via the API.
Label	String	False	A human_ readable property label that will be shown in HubSpot.

UpdatedAt	<i>Datetime</i>	False	When the Custom Object was last updated.
CreatedAt	<i>Datetime</i>	False	When the Custom Object was created.
ArchivedAt	<i>Datetime</i>	False	When the Custom Object was archived.
Type	<i>String</i>	False	The property data type.
FieldType	<i>String</i>	False	Controls how the property appears in HubSpot.
Description	<i>String</i>	False	A description of the property that will be shown as help text in HubSpot.
GroupName	<i>String</i>	False	The name of the property group the property belongs to.
Options	<i>String</i>	False	A list of valid options for the property. This field is required for enumerated properties_

			but will be empty for other property types.
CreatedUserId	<i>String</i>	False	The internal ID of the user who created the property in HubSpot. This field may not exist if the property was created outside of HubSpot.
UpdatedUserId	<i>String</i>	False	The internal user ID of the user who updated the property in HubSpot. This field may not exist if the property was updated outside of HubSpot.
ReferencedObjectType	<i>String</i>	False	If this property is related to other object_s_ _ they'll be listed here.
DisplayOrder	<i>Int</i>	False	The order that this property should be displayed in the HubSpot UI

			relative to other properties for this object type. Properties are displayed in order starting with the lowest positive integer value. A value of _1 will cause the property to be displayed after any positive values.
Calculated	<i>Bool</i>	False	For default properties_ true indicates that the property is calculated by a HubSpot process. It has no effect for custom properties.
ExternalOptions	<i>Bool</i>	False	For default properties_ true indicates that the options are stored externally to the property settings.
Archived	<i>Bool</i>	False	Whether or not

			the property is archived.
HasUniqueValue	<i>Bool</i>	False	Whether or not the property's value must be unique. Once set_ this can't be changed.
Hidden	<i>Bool</i>	False	Whether or not the property is hidden.
HubspotDefined	<i>Bool</i>	False	This will be true for default object properties built into HubSpot.
ShowCurrencySymbol	<i>Bool</i>	False	Whether the property will display the currency symbol set in the account settings.
ModificationMetadata	<i>String</i>	False	The properties' modification metadata.
FormField	<i>Bool</i>	False	Whether or not the property can be used in a HubSpot form.

CustomObjects

Retrieve the available Custom Objects in HubSpot.

Columns

Name	Type	References	Filterable	Description
Id	<i>String</i>		False	An assigned unique ID for the object_ including portal ID and object name.
FullyQualifiedName [KEY]	<i>String</i>		False	A unique ID for this schema's object type. It is defined as _meta_type____unique ID_.
Name	<i>String</i>		False	A unique name for the schema's object type.
LabelSingular	<i>String</i>		False	Singular label for the object. Used in CRM display.
LabelPlural	<i>String</i>		False	Plural label for the object. Used in CRM display.
CreatedAt	<i>Datetime</i>		False	When the Custom Object was created.
UpdatedAt	<i>Datetime</i>		False	When the Custom Object was last updated.
PropertiesAggregate	<i>String</i>		False	An aggregate of the properties defined for a given object type. This information can be viewed in more detail in CustomObjectProperties table.

AssociationsAggregate	<i>String</i>	False	An aggregate of the associations defined for a given object type. This information can be viewed in more detail in CustomObjectAssociations table.
RequiredProperties	<i>String</i>	False	The names of properties that should be required when creating an object of this type.
SearchableProperties	<i>String</i>	False	Names of properties that will be indexed for this object type in by HubSpot's product search.
PrimaryDisplayProperty	<i>String</i>	False	The name of the primary property for this object. This will be displayed as primary on the HubSpot record page for this object type.
SecondaryDisplayProperties	<i>String</i>	False	The names of secondary properties for this object. These will be displayed as secondary on the HubSpot record page for this object type.
ObjectTypeId	<i>String</i>	False	The ID of the custom object type.
MetaType	<i>String</i>	False	The custom object type description.

Files

Search through files in the file manager. Does not display hidden or archived files. Requires files or files.ui_hidden.read as a scope.

Columns

Name	Type	References	Filterable	Description
Id [KEY]	Long		True	File ID.
Name	String			Name of the file.
Extension	String			Extension of the file. For example png.
Access	String			File access. The allowed values are <i>PUBLIC_INDEXABLE</i> , <i>PUBLIC_NOT_INDEXABLE</i> , <i>PRIVATE</i> .
CreatedAt	Datetime			Creation time of the file object.
UpdatedAt	Datetime			Timestamp of the latest update to the file.
Archived	Bool			If the file is

		deleted.
ArchivedAt	<i>Datetime</i>	Deletion time of the file object.
Type	<i>String</i>	Type of the file. The allowed values are <i>IMG</i> , <i>DOCUMENT</i> , <i>AUDIO</i> , <i>MOVIE</i> , <i>OTHER</i> .
IsUsableInContent	<i>Bool</i>	Indicates if the file should be used when creating new content like web pages.
Encoding	<i>String</i>	Encoding of the file.
Size	<i>Long</i>	Size in bytes of the file.
Height	<i>Int</i>	For image and video files, the height of the content.
Width	<i>Int</i>	For image and video files, the width of the content.
Path	<i>String</i>	Path of the file in the file manager.

ParentFolderId	<i>Long</i>	Id of the folder the file is in.
Url	<i>String</i>	URL of the given file. This URL can change depending on the domain settings of the account. Will use the select file hosting domain.
DefaultHostingUrl	<i>String</i>	Default hosting URL of the file. This will use one of HubSpot's provided URLs to serve the file.
AllowsAnonymousAccess	<i>Bool</i>	If 'true' will show private files; if 'false' will show public files. The output will mirror the input value.

Folders

Search for folders. Does not contain hidden or archived folders. Requires files or files.ui_hidden.read as a scope.

Columns

Name	Type	References	Filterable	Description
------	------	------------	------------	-------------

Id [KEY]	Long	True	Id of the folder.
Name	String		Name of the folder.
Path	String		Path of the folder in the file manager.
ParentFolderId	Long		Id of the parent folder.
CreatedAt	Datetime		Timestamp of folder creation.
UpdatedAt	Datetime		Timestamp of the latest update to the folder.
Archived	Bool		Marks weather the folder is deleted or not.
ArchivedAt	Datetime		Timestamp of folder deletion.

Owners

HubSpot uses owners to assign CRM objects to specific people in your organization. The endpoints described here are used to get a list of the owners that are available for an account.

Columns

Name	Type	References	Filterable	Description
Id [KEY]	Long		True	Owner ID

FirstName	String	False	First name of the owner.
LastName	String	False	Last name of the owner.
UserId	String	False	User id of the owner.
Email	String	True	Email of the owner.
Teams	String	False	Teams of the owner.
CreatedAt	Datetime	False	Created date time.
UpdatedAt	Datetime	False	Updated date time.
Archived	Bool	False	Weather or not is archived.

ThreadMessages

Retrieve the entire message history in a Thread

Columns

Name	Type	References	Filterable	Description
Id [KEY]	String		True	The unique Id of the message.

Type	<i>String</i>	The type of the message.
CreatedAt	<i>Datetime</i>	Time the message was created.
UpdatedAt	<i>Datetime</i>	Time the message was updated.
CreatedBy	<i>String</i>	The Id of an actor/participant which created the message.
ClientType	<i>String</i>	The type of the client.
IntegrationAppId	<i>Integer</i>	The Id of the client if the client is an integration.
SendersId	<i>String</i>	The Id of an actor/participant which sent the message.
SendersName	<i>String</i>	The Name of an actor/participant which sent the message.
SendersField	<i>String</i>	The sender's field.
SendersDeliveryIdentifierType	<i>String</i>	The delivery identifier type for sender.

SendersDeliveryIdentifierValue	<i>String</i>	The delivery identifier value for sender.
RecipientsId	<i>String</i>	The Id of an actor/participant which received the message.
RecipientsName	<i>String</i>	The Name of an actor/participant which received the message.
RecipientsField	<i>String</i>	The recipient's field.
RecipientsDeliveryIdentifierType	<i>String</i>	The delivery identifier type for recipient.
RecipientsDeliveryIdentifierValue	<i>String</i>	The delivery identifier value for recipient.
ChannelId	<i>String</i>	The Id of the channel.
ChannelAccountId	<i>String</i>	The Account Id of the channel.
Archived	<i>Bool</i>	The status of archived.
AssignedTo	<i>String</i>	To which it is assigned.
AssignedFrom	<i>String</i>	From whom it is assigned.

Text	<i>String</i>	The content of the message.
RichText	<i>String</i>	The content of the message in HTML format.
AttachmentsFileId	<i>String</i>	The Id of the attachment to the comment.
AttachmentsUrl	<i>String</i>	The URL of the attachment to the comment.
Subject	<i>String</i>	The subject of the message.
TruncationStatus	<i>String</i>	The truncation status of the message.
InReplyToId	<i>String</i>	The Id value being replied to.
StatusType	<i>String</i>	The status type.
Direction	<i>String</i>	The direction of the message.
NewStatus	<i>String</i>	The value of the new status.

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. For more information, see the WHERE clause section.

Name	Type	Description
ThreadId	<i>String</i>	Id of the thread that contains the messages.

WebAnalytics

The Web Analytics endpoint allows developers to find and filter events associated with a CRM object of any type.

View Specific Information

Select

EventType, or ObjectType and either ObjectId or ObjectProperty must be specified.

When selecting WebAnalytics, they can only be filtered by the EventType, ObjectType, ObjectId, ObjectProperty, OccurredAfter, OccurredBefore and Sort. For example:

```
SELECT * FROM WebAnalytics WHERE ObjectId='74924128' AND
ObjectType='contact'
SELECT * FROM WebAnalytics WHERE ObjectId='101' AND ObjectType='contact'
AND OccurredAfter='07/02/2020 09:45:50.829'
SELECT * FROM WebAnalytics WHERE ObjectId='101' AND ObjectType='contact'
AND OccurredBefore='07/02/2020 09:45:50.829'
SELECT * FROM WebAnalytics WHERE ObjectId='101' AND ObjectType='contact'
AND Sort = 'occurredAt'
```

Columns

Name	Type	References	Filterable	Description
Id [KEY]	<i>String</i>		False	Id of the event.

ObjectId	<i>String</i>	False	Id of the object.
ObjectType	<i>String</i>	False	Type of the selected object.
EventType	<i>String</i>	False	Type of the event.
OccurredAt	<i>Datetime</i>	False	Time when the event occurred.
Properties	<i>String</i>	False	Additional properties.

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. For more information, see the WHERE clause section.

Name	Type	Description
ObjectProperty	<i>String</i>	If the id of the selected object not present_ then the objectProperty parameter is required. A particular property to match on is identified by an objectProperty._propname___propvalue_ query parameter. To find contacts by their email property you have to specify the value of the ObjectProperty in this format _ 'propertyName_propertyValue'
OccurredAfter	<i>Datetime</i>	The starting time as an ISO 8601 timestamp.
OccurredBefore	<i>Datetime</i>	The ending time as an ISO 8601

		timestamp.
Sort	<i>String</i>	Selects the sort field and order. Defaults to ascending_ prefix with _ for descending order. 'occurredAt' is the only field supported for sorting.

Stored Procedures

Stored procedures are function-like interfaces that extend the functionality of the adapter beyond simple SELECT/INSERT/UPDATE/DELETE operations with HubSpot.

Stored procedures accept a list of parameters, perform their intended function, and then return, if applicable, any relevant response data from HubSpot, along with an indication of whether the procedure succeeded or failed.

HubSpot Adapter Stored Procedures

Name	Description
CreateCustomObject	Create a Custom Object in HubSpot. May not work for the OAuth Authentication scheme due to insufficient OAuth Apps scopes, use the PrivateAppToken authentication instead.
CreateCustomProperty	Create a Custom Property for a HubSpot Object.
CreateSchema	Creates a schema file for the specified table or view.
DeleteCustomObject	Delete an existing Custom Object in HubSpot. May not work for the OAuth Authentication scheme due to insufficient OAuth Apps scopes, use the PrivateAppToken authentication instead.
DeleteCustomProperty	Delete an existing Custom Property for a HubSpot Object.
DeleteFile	Permanently delete a file and all related data and thumbnails from file manager.

DownloadFile	Download a file. Requires files or files.ui_hidden.read as a scope.
GetOAuthAccessToken	Gets the OAuth access token from HubSpot.
GetOAuthAuthorizationURL	Gets the HubSpot authorization URL. Access the URL returned in the output in an Internet browser. This requests the access token that can be used as part of the connection string to HubSpot.
GetTotalCountForQuery	Usage information for the operation GetTotalCountForQuery.rsb.
RefreshOAuthAccessToken	Refreshes the OAuth access token used for authentication with various HubSpot services.
UpdateCustomObject	Update an existing Custom Object in HubSpot. May not work for the OAuth Authentication scheme due to insufficient OAuth Apps scopes, use the PrivateAppToken authentication instead.
UpdateCustomProperty	Update an existing Custom Property for a HubSpot Object.
UploadFile	Upload a new file to the file manager.

CreateCustomObject

Create a Custom Object in HubSpot. May not work for the OAuth Authentication scheme due to insufficient OAuth Apps scopes, use the PrivateAppToken authentication instead.

Input

Name	Type	Description
ObjectName	<i>String</i>	Required attribute. A unique name for the schema's object type.

ObjectLabelSingular	<i>String</i>	Required attribute. Singular label for the object. Used in CRM display.
ObjectLabelPlural	<i>String</i>	Required attribute. Plural label for the object. Used in CRM display.
PropertyName#	<i>String</i>	Required attribute. The internal property name, which must be used when referencing the property from the API.
PropertyLabel#	<i>String</i>	Required attribute. A human-readable property label that will be shown in HubSpot.
PropertyGroupName#	<i>String</i>	Optional attribute. The name of the group this property belongs to.
PropertyDescription#	<i>String</i>	Optional attribute. A description of the property that will be shown as help text in HubSpot.
PropertyOptionsLabel#	<i>String</i>	Required only if PropertyFieldType is set to enumeration. A comma separated list of the human-readable option labels that will be shown in HubSpot GUI. This field is only required for enumerated properties.
PropertyOptionsValue#	<i>String</i>	Required only if PropertyFieldType is set to enumeration. A comma separated list of the internal values of the options, which must be used when setting the property value through the API. This field is only required for enumerated properties.
PropertyOptionsDescription#	<i>String</i>	Optional attribute. A comma separated list of each option description.
PropertyOptionsDisplayOrder#	<i>String</i>	Optional attribute. A comma separated list of each option display order in the HubSpot GUI. Values of -1 will cause the option to be displayed after any positive values.

PropertyOptionsHidden#	<i>String</i>	Optional attribute. A comma separated list of booleans indicating whether each option will be hidden from the HubSpot GUI.
PropertyDisplayOrder#	<i>String</i>	Optional attribute. The order that this property should be displayed in the HubSpot UI relative to other properties for this object type. Properties are displayed in order starting with the lowest positive integer value. A value of -1 will cause the property to be displayed after any positive values.
PropertyHasUniqueValue#	<i>String</i>	Optional attribute. Whether or not the property's value must be unique. Once set, this can't be changed.
PropertyHidden#	<i>String</i>	Optional attribute. Whether or not the property is hidden from the GUI.
PropertyType#	<i>String</i>	Optional attribute. The data type of the property. Supported values are: string, number, date, enumeration, datetime.
PropertyFieldType#	<i>String</i>	Optional attribute. Controls how the property appears in HubSpot. Supported values are: textarea, text, date, file, number, select, radio, checkbox, booleancheckbox. The set GUI display option must support the specified PropertyType.
RequiredProperty#	<i>String</i>	Optional attribute. The names of properties that should be required when creating an object of this type.
SearchableProperty#	<i>String</i>	Optional attribute. The names of properties that will be indexed for this object type in by HubSpot's product search.
PrimaryDisplayProperty	<i>String</i>	Required attribute. The name of the primary property for this object. This will be displayed

		as primary on the HubSpot record page for this object type.
SecondaryDisplayProperty#	<i>String</i>	Optional attribute. The names of secondary properties for this object. These will be displayed as secondary on the HubSpot record page for this object type.
AssociatedObject#	<i>String</i>	Optional attribute. Associations defined for this object type.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the object is successfully created.
ObjectName	<i>String</i>	Name of the newly created object.
ObjectLabel	<i>String</i>	Plural label of the newly created object.

CreateCustomProperty

Create a Custom Property for a HubSpot Object.

Input

Name	Type	Description
ObjectFullyQualifiedName	<i>String</i>	The fully qualified name of the object to

		create the property. Required if the <code>TableName</code> attribute is not specified.
<code>TableName</code>	<i>String</i>	The exposed table name of the object to create the property. Required if the <code>FullyQualifiedName</code> attribute is not specified.
<code>PropertyName</code>	<i>String</i>	Required attribute. The internal property name, which must be used when referencing the property from the API.
<code>PropertyLabel</code>	<i>String</i>	Required attribute. A human-readable property label that will be shown in HubSpot.
<code>PropertyGroupName</code>	<i>String</i>	Required attribute. The name of the group this property belongs to.
<code>PropertyType</code>	<i>String</i>	Required attribute. The data type of the property. Supported values are: string, number, date, enumeration, datetime.
<code>PropertyFieldType</code>	<i>String</i>	Required attribute. Controls how the property appears in HubSpot. Supported values are: textarea, text, date, file, number, select, radio, checkbox, booleancheckbox. The set GUI display option must support the specified <code>PropertyType</code> .
<code>PropertyDescription</code>	<i>String</i>	Optional attribute. A description of the property that will be shown as help text in HubSpot.
<code>PropertyOptionsLabel#</code>	<i>String</i>	Required only if <code>PropertyFieldType</code> is set to enumeration. A human-readable option label that will be shown in HubSpot.
<code>PropertyOptionsValue#</code>	<i>String</i>	Required only if <code>PropertyFieldType</code> is set to enumeration. The internal value of the option, which must be used when setting the property value through the API.

PropertyOptionsDescription#	<i>String</i>	Optional attribute. A description of the option.
PropertyOptionsDisplayOrder#	<i>String</i>	Optional attribute. Options are shown in order starting with the lowest positive integer value. Values of -1 will cause the option to be displayed after any positive values.
PropertyOptionsHidden#	<i>String</i>	Optional attribute. Hidden options won't be shown in HubSpot.
PropertyDisplayOrder	<i>String</i>	Optional attribute. The order that this property should be displayed in the HubSpot UI relative to other properties for this object type. Properties are displayed in order starting with the lowest positive integer value. A value of -1 will cause the property to be displayed after any positive values.
PropertyHasUniqueValue	<i>String</i>	Optional attribute. Whether or not the property's value must be unique. Once set, this can't be changed.
PropertyHidden	<i>String</i>	Optional attribute. Whether or not the property is hidden from the GUI.
FormField	<i>String</i>	Optional attribute. Whether or not the property can be used in a HubSpot form.
ObjectType	<i>String</i>	Optional attribute. The object type.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the property is successfully created.

PropertyName	String	Name of the newly created property.
PropertyLabel	String	Plural label of the newly created property.

CreateSchema

Creates a schema file for the specified table or view.

CreateSchema

Creates a local schema file (.rsd) from an existing table or view in the data model.

The schema file is created in the directory set in the Location connection property when this procedure is executed. You can edit the file to include or exclude columns, rename columns, or adjust column datatypes.

The adapter checks the Location to determine if the names of any .rsd files match a table or view in the data model. If there is a duplicate, the schema file will take precedence over the default instance of this table in the data model. If a schema file is present in Location that does not match an existing table or view, a new table or view entry is added to the data model of the adapter.

Input

Name	Type	Accepts Output Streams	Description
TableName	String	False	The name of the table or view.
FileName	String	False	The full file path and name of the schema to generate. Begin by choosing a parent directory (this parent

			directory should be set in the Location property). Complete the filepath by adding a directory corresponding to the schema used (hubspotv3), followed by a .rsd file with a name corresponding to the desired table name. For example : 'C:\\Users\\User\\Desktop\\HubSpot\\hubspotv3\\sheet.rsd'
FileStream	String	True	An instance of an output stream where file data is written to. Only used if FileName is not set.

Result Set Columns

Name	Type	Description
Result	String	Returns Success or Failure.
FileData	String	File data that will be outputted encoded in Base64 if the FileName and FileStream inputs are not set.

DeleteCustomObject

Delete an existing Custom Object in HubSpot. May not work for the OAuth Authentication scheme due to insufficient OAuth Apps scopes, use the PrivateAppToken authentication instead.

Input

Name	Type	Description
FullyQualifiedName	String	The fully qualified name of the object to delete. Required if the TableName attribute is not specified.

TableName	<i>String</i>	The exposed table name of the custom object to delete. Required if the FullyQualifiedName attribute is not specified.
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Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the object is successfully deleted.

DeleteCustomProperty

Delete an existing Custom Property for a HubSpot Object.

Input

Name	Type	Description
ObjectFullyQualifiedName	<i>String</i>	The fully qualified name of the object containing the property to delete. Required if the TableName attribute is not specified.
TableName	<i>String</i>	The exposed table name of the object containing the property to delete. Required if the FullyQualifiedName attribute is not specified.
PropertyName	<i>String</i>	The internal name of the property to delete. Required if the ColumnName attribute is not specified.
ColumnName	<i>String</i>	The exposed column name of the property to delete. Required if the PropertyName attribute is not specified.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the property is successfully deleted.

DeleteFile

Permanently delete a file and all related data and thumbnails from file manager.

Input

Name	Type	Description
FileId	<i>String</i>	Id of the file that will be deleted

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the deletion succeeded.

DownloadFile

Download a file. Requires files or files.ui_hidden.read as a scope.

Input

Name	Type	Accepts Output Streams	Description
FileId	<i>String</i>	<i>False</i>	ID of file.
Size	<i>String</i>	<i>False</i>	<p>For image files. This will resize the image to the desired size before sharing. Does not affect the original file, just the file served by this signed URL.</p> <p>The allowed values are <i>thumb</i>, <i>icon</i>, <i>medium</i>, <i>preview</i>.</p>
Upscale	<i>Boolean</i>	<i>False</i>	<p>If size is provided, this will upscale the image to fit the size dimensions.</p> <p>The default value is <i>false</i>.</p>
ExpirationSeconds	<i>Long</i>	<i>False</i>	How long in seconds the link will provide access to the file.
LocalPath	<i>String</i>	<i>False</i>	The local file path for the location where the file will be saved on disk.
FileStream	<i>String</i>	<i>True</i>	An instance of an output stream where file data is written to. Only used if LocalPath is not set.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Whether or not the stored procedure was successful.

Details	<i>String</i>	Any extra details on the stored procedure's execution.
Url	<i>String</i>	Signed URL with access to the specified file. Anyone with this URL will be able to access the file until it expires.
ExpiresAt	<i>String</i>	Timestamp of when the URL will no longer grant access to the file.
Name	<i>String</i>	Name of the requested file.
Extension	<i>String</i>	Extension of the requested file.
Type	<i>String</i>	Type of the file. Can be IMG, DOCUMENT, AUDIO, MOVIE, or OTHER.
Size	<i>String</i>	Size in bytes of the requested file.
Height	<i>String</i>	For image and video files. The height of the file.
Width	<i>String</i>	For image and video files. The width of the file.
FileData	<i>String</i>	File data that will be outputted encoded in BASE64 if the LocalPath and FileStream inputs are empty.

GetOAuthAccessToken

Gets the OAuth access token from HubSpot.

Input

Name	Type	Description
AuthMode	<i>String</i>	<p>The type of authentication mode to use. Select App for getting authentication tokens via a windows forms 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>
RequiredScopes	<i>String</i>	Scopes required for your app. At least one must be specified and if you have created an app, all of the scopes you have selected for the app as being required should be specified.
OptionalScopes	<i>String</i>	Optional scopes that are requested but are ignored if not specified. These do not need to be specified in your app and will not cause an error if the HubSpot account being connected to does not have access to them.
CallbackUrl	<i>String</i>	The URL the user will be redirected to after authorizing your application.
Verifier	<i>String</i>	The verifier code returned by Hubspot after permissions have been granted for the app to connect. WEB AuthMode only.
State	<i>String</i>	This field indicates any state that may be useful to your application upon receipt of the response. Your application receives the same value it sent, as this parameter makes a round-trip to HubSpot authorization server and back. Uses include redirecting the user to the correct resource in your site, using nonces, and mitigating cross-site request forgery.

Result Set Columns

Name	Type	Description
OAuthAccessToken	<i>String</i>	The OAuth token.

OAuthRefreshToken	<i>String</i>	The OAuth refresh token.
ExpiresIn	<i>String</i>	The remaining lifetime for the access token in seconds.
HubId	<i>String</i>	The hubid the OAuth Access Token is applicable to.

GetOAuthAuthorizationURL

Gets the HubSpot authorization URL. Access the URL returned in the output in an Internet browser. This requests the access token that can be used as part of the connection string to HubSpot.

Input

Name	Type	Description
RequiredScopes	<i>String</i>	Scopes required for your app. At least one must be specified and if you have created an app, all of the scopes you have selected for the app as being required should be specified.
OptionalScopes	<i>String</i>	Optional scopes that are requested but are ignored if not specified. These do not need to be specified in your app and will not cause an error if the HubSpot account being connected to does not have access to them.
CallbackUrl	<i>String</i>	The URL that HubSpot will return to after the user has authorized your app.
State	<i>String</i>	Indicates any state which may be useful to your application upon receipt of the response. Your application receives the same value it sent, as this parameter makes a round-trip to the HubSpot authorization server and back. Uses include

redirecting the user to the correct resource in your site, using nonces, and mitigating cross-site request forgery.

Result Set Columns

Name	Type	Description
URL	<i>String</i>	The URL to be entered into a Web browser to obtain the verifier token and authorize the adapter with.

GetTotalCountForQuery

Usage information for the operation GetTotalCountForQuery.rsb.

Input

Name	Type	Description
EndpointUrl	<i>String</i>	Url of the endpoint.
RequestBody	<i>String</i>	Request-body for the request.

Result Set Columns

Name	Type	Description
TotalCount	<i>String</i>	

RefreshOAuthAccessToken

Refreshes the OAuth access token used for authentication with various HubSpot services.

Input

Name	Type	Description
OAuthRefreshToken	<i>String</i>	The refresh token returned with the previous access token.
CallbackUrl	<i>String</i>	The URL used when the oauth access token was created.

Result Set Columns

Name	Type	Description
OAuthAccessToken	<i>String</i>	The authentication token returned from HubSpot. This can be used in subsequent calls to other operations for this particular service.
OAuthRefreshToken	<i>String</i>	A token that may be used to obtain a new access token.
ExpiresIn	<i>String</i>	The remaining lifetime on the access token.
PortalId	<i>String</i>	The portal or hubspot account this access token is associated with.

UpdateCustomObject

Update an existing Custom Object in HubSpot. May not work for the OAuth Authentication scheme due to insufficient OAuth Apps scopes, use the PrivateAppToken authentication instead.

Input

Name	Type	Description
FullyQualifiedName	String	The fully qualified name of the object to update. Required if the TableName attribute is not specified.
TableName	String	The exposed table name of the custom object to update. Required if the FullyQualifiedName attribute is not specified.
ObjectLabelSingular	String	Singular label for the object. Used in CRM display.
ObjectLabelPlural	String	Plural label for the object. Used in CRM display.
RequiredProperty#	String	The names of properties that should be required when creating an object of this type.
SearchableProperty#	String	The names of properties that will be indexed for this object type in by HubSpot's product search.
PrimaryDisplayProperty	String	The name of the primary property for this object. This will be displayed as primary on the HubSpot record page for this object type.
SecondaryDisplayProperty#	String	The names of secondary properties for this object. These will be displayed as secondary on the HubSpot record page for this object type.
Restorable	String	Boolean indicating if the object is restorable or not.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the object is successfully updated.
ObjectName	<i>String</i>	Name of the updated object.
ObjectLabel	<i>String</i>	Plural label of the updated object.

UpdateCustomProperty

Update an existing Custom Property for a HubSpot Object.

Input

Name	Type	Description
ObjectFullyQualifiedName	<i>String</i>	The fully qualified name of the object containing the property to update. Required if the TableName attribute is not specified.
TableName	<i>String</i>	The exposed table name of the object containing the property to update. Required if the FullyQualifiedName attribute is not specified.
PropertyName	<i>String</i>	The internal name of the property to update. Required if the ColumnName attribute is not specified.
ColumnName	<i>String</i>	The exposed column name of the property to

		update. Required if the <code>PropertyName</code> attribute is not specified.
<code>PropertyLabel</code>	<i>String</i>	A human-readable property label that will be shown in HubSpot.
<code>PropertyGroupName</code>	<i>String</i>	The name of the group this property belongs to.
<code>PropertyDescription</code>	<i>String</i>	A description of the property that will be shown as help text in HubSpot.
<code>PropertyOptionsLabel#</code>	<i>String</i>	A human-readable option label that will be shown in HubSpot.
<code>PropertyOptionsValue#</code>	<i>String</i>	The internal value of the option, which must be used when setting the property value through the API.
<code>PropertyOptionsDescription#</code>	<i>String</i>	A description of the option.
<code>PropertyOptionsDisplayOrder#</code>	<i>String</i>	Options are shown in order starting with the lowest positive integer value. Values of -1 will cause the option to be displayed after any positive values.
<code>PropertyOptionsHidden#</code>	<i>String</i>	Hidden options won't be shown in HubSpot.
<code>PropertyDisplayOrder</code>	<i>String</i>	The order that this property should be displayed in the HubSpot UI relative to other properties for this object type. Properties are displayed in order starting with the lowest positive integer value. A value of -1 will cause the property to be displayed after any positive values.
<code>PropertyHasUniqueValue</code>	<i>String</i>	Whether or not the property's value must be unique. Once set, this can't be changed.

PropertyHidden	<i>String</i>	Whether or not the property is hidden from the GUI.
PropertyType	<i>String</i>	The data type of the property. Supported values are: string, number, date, enumeration, datetime.
PropertyFieldType	<i>String</i>	Controls how the property appears in HubSpot. Supported values are: textarea, text, date, file, number, select, radio, checkbox, booleancheckbox. The set GUI display option must support the specified PropertyType.
FormField	<i>String</i>	Whether or not the property can be used in a HubSpot form.

Result Set Columns

Name	Type	Description
Success	<i>String</i>	Returns True if the property is successfully updated.
PropertyName	<i>String</i>	Name of the newly updated property.
PropertyLabel	<i>String</i>	Plural label of the newly updated property.

UploadFile

Upload a new file to the file manager.

Input

Name	Type	Accepts Input Streams	Description
FileLocation	<i>String</i>	<i>False</i>	The full path of the local file to upload. Ex.: C:\Temp\downloads\file.txt. Required if EncodedFileData/Content and FileName attributes are not specified.
EncodedFileData	<i>String</i>	<i>False</i>	Encoded file data to upload. This attribute along with FileName can be used as an alternative to FileLocation or Content. Note if FileLocation is specified, this will not be considered.
Content	<i>String</i>	<i>True</i>	The content as an InputStream to be uploaded. This attribute along with FileName can be used as an alternative to FileLocation or EncodedFileData.
FileName	<i>String</i>	<i>False</i>	Full name of the file. Ex.: 'Sample.txt'. Only required when EncodedFileData or Content is specified.
Access	<i>String</i>	<i>False</i>	Required attribute. The file access level. Supported values are: 'PUBLIC_INDEXABLE' - (The file will be publicly accessible by anyone who has the file url. Search engines will be able to index the file.), 'PUBLIC_NOT_INDEXABLE' - (The file will be publicly accessible by anyone

			<p>who has the file url. The X-Robots-Tag: noindex header will be sent whenever the file is retrieved, instructing search engines not to index the file.) and 'PRIVATE' - (The file will be private and requires a signed url to access. Search engines will NOT be able to index the file.).</p> <p>The allowed values are <i>PUBLIC_INDEXABLE</i>, <i>PUBLIC_NOT_INDEXABLE</i>, <i>PRIVATE</i>.</p>
UploadFolderId	<i>String</i>	<i>False</i>	Optional attribute. Id of the folder the file should be uploaded into. Note that if this is specified, UploadFolderPath will not be considered.
UploadFolderPath	<i>String</i>	<i>False</i>	<p>Optional attribute. Path of the folder the file should be uploaded into. If not specified, the file will be uploaded into the root path '/'.</p> <p>The default value is /.</p>
TimeToLive	<i>String</i>	<i>False</i>	Optional attribute. If specified the file will be deleted after the specified amount of time. The formats are Periods. For example 'P3M' means a period of 3 months. The file will be deleted after 3 months. The TimeToLive cannot be more than 1 year.
Overwrite	<i>Boolean</i>	<i>False</i>	Optional attribute. Boolean if you want to overwrite a file of the same name. If false, will

			<p>append a number to the file name and create a new file. Defaults to false.</p> <p>The default value is <i>false</i>.</p>
DuplicateValidationStrategy	String	False	<p>Optional attribute. Options are: 'REJECT' - (If a duplicate file is found, the upload request is rejected.), 'RETURN_EXISTING' - (If a duplicate file is found, the upload is cancelled and the existing file is returned instead.) and 'NONE' - (No duplicate file validation is performed.). Defaults to NONE if not specified</p> <p>The allowed values are <i>REJECT</i>, <i>RETURN_EXISTING</i>, <i>NONE</i>.</p>
DuplicateValidationScope	String	False	<p>Optional attribute. Options are: 'ENTIRE_PORTAL' - (Checks all files for a duplicate.) and 'EXACT_FOLDER' - (Checks only the provided folder for a duplicate.). Defaults to 'EXACT_FOLDER' if not specified</p> <p>The allowed values are <i>ENTIRE_PORTAL</i>, <i>EXACT_FOLDER</i>.</p>
CharsetHunch	String	False	Optional attribute. The character set of the provided file.

Result Set Columns

Name	Type	Description
------	------	-------------

FileId	<i>String</i>	The ID of the newly created file.
Success	<i>String</i>	Returns True if the upload succeeded.

Data Type Mapping

Data Type Mappings

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

HubSpot Field Type	CData Schema
Date picker	date
Dropdown select	string
HubSpot user	string
Multi-line text	string
Multiple checkboxes	string
Number	float
Radio select	string
Single checkbox	string
Single-line text	string

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 HubSpot.
Schema	Specify the HubSpot API version to use. HUBSPOTV3 is the new API.
OAuthOptionalScopes	A comma-separated set of optional scopes that give you permissions to your HubSpot account.
OAuthRequiredScopes	A comma-separated set of permissions that your Hubspot app needs access to.

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.
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.

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
Archived	Specify whether to get archived or unarchived records.
ColumnSizes	A file with a name=value comma separated list of column sizes.
CompanyPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Companies table.
ContactPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Contacts table.
DealPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Deals table.
ExpandAssociations	Specify whether to expand or not the object Associations tables.
GenerateSchemaFiles	Indicates the user preference as to when schemas should be generated and saved.
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.
NumberColumnMode	Specifies how to handle detected number columns.
Other	These hidden properties are used only in specific use cases.
Pagesize	The maximum number of results to return per page from HubSpot.

Readonly	You can use this property to enforce read-only access to HubSpot from the provider.
TicketPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Tickets table.
Timeout	The value in seconds until the timeout error is thrown, canceling the operation.
UseDisplayNames	Boolean determining if the display names for the tables and columns should be used instead of the API names.
UseDropdownLabels	Boolean determining if dropdown labels should be used instead of internal values for enums.
UserDefinedViews	A filepath pointing to the JSON configuration file containing your custom views.
UseSimpleNames	Boolean determining if simple names should be used for tables and columns.

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 HubSpot.
Schema	Specify the HubSpot API version to use. HUBSPOTV3 is the new API.
OAuthOptionalScopes	A comma-separated set of optional scopes that give you permissions to your HubSpot account.
OAuthRequiredScopes	A comma-separated set of permissions that your Hubspot app needs access to.

AuthScheme

The type of authentication to use when connecting to HubSpot.

Possible Values

Auto, OAuth, PrivateAppToken

Data Type

string

Default Value

"Auto"

Remarks

- Auto: Lets the driver decide automatically based on the other connection properties you have set.
- OAuth: Set to this to perform the OAuth 2.0 authentication.
- PrivateAppToken: Set this to perform Token Based Authentication via the [OAuthAccessToken](#) property.

Schema

Specify the HubSpot API version to use. HUBSPOTV3 is the new API.

Possible Values

HubSpot, HubSpotV3

Data Type

string

Default Value

"HubSpotV3"

Remarks

Set this property to HUBSPOT to use the HubSpot CRM API v2 or HUBSPOTV3 to use the HubSpot CRM API v3.

OAuthOptionalScopes

A comma-separated set of optional scopes that give you permissions to your HubSpot account.

Data Type

string

Default Value

"content social automation files forms timeline e-commerce business-intelligence integration-sync tickets sales-email-read crm.objects.custom.read crm.schemas.custom.read crm.objects.feedback_submissions.read crm.schemas.deals.read crm.objects.owners.read crm.objects.contacts.write crm.objects.companies.write crm.lists.write crm.objects.companies.read crm.lists.read crm.objects.deals.read crm.schemas.contacts.read crm.objects.deals.write crm.schemas.companies.read"

Remarks

A comma-separated set of optional scopes that give you permissions to your HubSpot account.

OAuthRequiredScopes

A comma-separated set of permissions that your Hubspot app needs access to.

Data Type

string

Default Value

"crm.lists.read crm.lists.write crm.objects.companies.read crm.objects.companies.write crm.objects.contacts.read crm.objects.contacts.write crm.objects.deals.read crm.objects.deals.write crm.objects.owners.read crm.schemas.deals.read crm.schemas.deals.write crm.schemas.companies.read crm.schemas.companies.write crm.schemas.contacts.read crm.schemas.contacts.write"

Remarks

A comma-separated set of permissions that your Hubspot app needs access to. Any scopes that you've checked off in your app's Auth settings will be treated as required, and you'll need to include them in this parameter or the authorization page will display an error.

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.
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%\\CData\\HubSpot 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%\\CData\\HubSpot 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

""

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.

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.

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)	34e929226ae0819f2ec14b4a3d904f801c
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 HubSpot 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
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 .

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\\HubSpot 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.

Note: Given that this adapter supports multiple schemas, the structure for HubSpot custom schema files is as follows:

- Each schema is given a folder corresponding to that schema name.
- These schema folders are contained in a parent folder.
- The **parent folder** should be set as the Location, not an individual schema's folder.

If left unspecified, the default location is "%APPDATA%\\CData\\HubSpot 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
Archived	Specify whether to get archived or unarchived records.
ColumnSizes	A file with a name=value comma separated list of column sizes.
CompanyPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Companies table.
ContactPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Contacts table.
DealPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Deals table.
ExpandAssociations	Specify whether to expand or not the object Associations tables.
GenerateSchemaFiles	Indicates the user preference as to when schemas should be generated and saved.
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.
NumberColumnMode	Specifies how to handle detected number columns.
Other	These hidden properties are used only in specific use cases.
Pagesize	The maximum number of results to return per page from HubSpot.
Readonly	You can use this property to enforce read-only access to HubSpot from the provider.

TicketPropertiesFile	A file with a comma separated list of properties to select from HubSpot for the Tickets table.
Timeout	The value in seconds until the timeout error is thrown, canceling the operation.
UseDisplayNames	Boolean determining if the display names for the tables and columns should be used instead of the API names.
UseDropdownLabels	Boolean determining if dropdown labels should be used instead of internal values for enums.
UserDefinedViews	A filepath pointing to the JSON configuration file containing your custom views.
UseSimpleNames	Boolean determining if simple names should be used for tables and columns.

Archived

Specify whether to get archived or unarchived records.

Data Type

bool

Default Value

false

Remarks

This property is only valid for schema "HubSpotV3" and for tables Contacts, Companies, Deals, Tickets, Products, Quotes and LineItems of HubSpotV3.

ColumnSizes

A file with a name=value comma separated list of column sizes.

Data Type

string

Default Value

""

Remarks

Some fields may require a larger column size than the default. These can be entered as a comma separated list of tablename.columnname=value or columnname=value pairs. For instance: Table1.Col1=4000,Table1.Col2=5000,Col1=13. The values entered will override the default for any detected fields. The column specified with a tablename takes priority over the same column name without the tablename in front of it. In this example, the size of Col1 in Table1 is 4000, and in all the other tables it is 13.

CompanyPropertiesFile

A file with a comma separated list of properties to select from HubSpot for the Companies table.

Data Type

string

Default Value

""

Remarks

In HubSpot, you can potentially have so many custom fields that attempting to select all of them at a time will cause HubSpot to return an error. In a situation where you do not have direct control over the SQL Statement but still need to get custom field data back, you set the CompanyPropertiesFile to the full location of a file that lists which custom fields to select. For instance, C:\users\public\documents\customfields.txt.

The CustomFields document itself is just a comma separated list of the names of which custom fields to select. Note that these must be the API names of the custom fields. These

names can be retrieved from the Name column of the CompanyProperties table. For instance: dealname,amount,description.

ContactPropertiesFile

A file with a comma separated list of properties to select from HubSpot for the Contacts table.

Data Type

string

Default Value

""

Remarks

In HubSpot, you can potentially have so many custom fields that attempting to select all of them at a time will cause HubSpot to return an error. In a situation where you do not have direct control over the SQL Statement but still need to get custom field data back, you set the ContactPropertiesFile to the full location of a file that lists which custom fields to select. For instance, C:\users\public\documents\customfields.txt.

The CustomFields document itself is just a comma separated list of the names of which custom fields to select. Note that these must be the API names of the custom fields. These names can be retrieved from the Name column of the ContactProperties table. For instance: firstname,lastname,lastmodifieddate.

DealPropertiesFile

A file with a comma separated list of properties to select from HubSpot for the Deals table.

Data Type

string

Default Value

""

Remarks

In HubSpot, you can potentially have so many custom fields that attempting to select all of them at a time will cause HubSpot to return an error. In a situation where you do not have direct control over the SQL Statement but still need to get custom field data back, you set the DealPropertiesFile to the full location of a file that lists which custom fields to select. For instance, C:\users\public\documents\customfields.txt.

The CustomFields document itself is just a comma separated list of the names of which custom fields to select. Note that these must be the API names of the custom fields. These names can be retrieved from the Name column of the DealProperties table. For instance: dealname,amount,description.

ExpandAssociations

Specify whether to expand or not the object Associations tables.

Data Type

bool

Default Value

false

Remarks

- If False, the driver will expose one associations table for each HubSpot object (ex. DealAssociations, CompanyAssociations, ContactAssociations, etc.). These tables will return the Id-s of all the objects associated to that specific object type.
- If True, the driver will expose one associations table for each association between two HubSpot object types (ex. CompaniesToContactsAssociations, ContactsToDealsAssociations, DealsToLineitemsAssociations, etc.). Each of these tables will return the Id pairs of the associated records from the two object types.

Note: This property is only valid for schema "HubSpotV3".

GenerateSchemaFiles

Indicates the user preference as to when schemas should be generated and saved.

Possible Values

Never, OnUse, OnStart, OnCreate

Data Type

string

Default Value

"Never"

Remarks

This property outputs schemas to .rsd files in the path specified by [Location](#).

Available settings are the following:

- Never: A schema file will never be generated.
- OnUse: A schema file will be generated the first time a table is referenced, provided the schema file for the table does not already exist.
- OnStart: A schema file will be generated at connection time for any tables that do not currently have a schema file.
- OnCreate: A schema file will be generated by when running a CREATE TABLE SQL query.

Note that if you want to regenerate a file, you will first need to delete it.

Generate Schemas with SQL

When you set GenerateSchemaFiles to **OnUse**, the adapter generates schemas as you execute SELECT queries. Schemas are generated for each table referenced in the query.

When you set GenerateSchemaFiles to **OnCreate**, schemas are only generated when a CREATE TABLE query is executed.

Generate Schemas on Connection

Another way to use this property is to obtain schemas for every table in your database when you connect. To do so, set GenerateSchemaFiles to **OnStart** and connect.

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.

NumberColumnMode

Specifies how to handle detected number columns.

Possible Values

DOUBLE, DECIMAL, STRING

Data Type

string

Default Value

"DECIMAL"

Remarks

HubSpot reports all numeric data type fields (ex. integer, double, decimal, etc.) as 'number' type. For this reason, there isn't a reliable way for the adapter to determinate the exact numeric type for each detected numeric field.

By default, all numbers will be specified as decimal. However, depending on your needs, you may wish to handle number columns as either double or decimal. In addition, you can also set the value to string to report all number columns as strings.

Note: This connection property is applicable only for 'HUBSPOTV3' [Schema](#).

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.

Pagesize

The maximum number of results to return per page from HubSpot.

Data Type

int

Default Value

100

Remarks

The Pagesize property affects the maximum number of results to return per page from HubSpot. Setting a higher value may result in better performance at the cost of additional memory allocated per page consumed.

Readonly

You can use this property to enforce read-only access to HubSpot 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.

TicketPropertiesFile

A file with a comma separated list of properties to select from HubSpot for the Tickets table.

Data Type

string

Default Value

""

Remarks

In HubSpot, you can potentially have so many custom fields that attempting to select all of them at a time will cause HubSpot to return an error. In a situation where you do not have direct control over the SQL Statement but still need to get custom field data back, you set the TicketPropertiesFile to the full location of a file that lists which custom fields to select. For instance, C:\users\public\documents\customfields.txt.

The CustomFields document itself is just a comma separated list of the names of which custom fields to select. Note that these must be the API names of the custom fields. These names can be retrieved from the Name column of the TicketProperties table. For instance: dealname,amount,description.

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 tables and columns should be used instead of the API names.

Data Type

bool

Default Value

true

Remarks

Boolean determining if the display names for the tables and columns should be used instead of the API names.

UseDropdownLabels

Boolean determining if dropdown labels should be used instead of internal values for enums.

Data Type

bool

Default Value

true

Remarks

Boolean determining if dropdown labels should be used instead of internal values for enums. This will only affect custom fields.

UseDropdownLabels will default to True. If set to false, the internal values will be displayed for dropdown values instead of the labels..

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 Contacts 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"
```

UseSimpleNames

Boolean determining if simple names should be used for tables and columns.

Data Type

bool

Default Value

false

Remarks

HubSpot tables and columns can use special characters in names that are normally not allowed in standard databases. UseSimpleNames makes the adapter easier to use with traditional database tools.

Setting UseSimpleNames to true will simplify the names of tables and columns returned. It will enforce a naming scheme such that only alphanumeric characters and the underscore are valid for the displayed table and column names. Any nonalphanumeric characters will be converted to an underscore.

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.

How to Contact TIBCO Support

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- For creating a Support case, you must have a valid maintenance or support contract with TIBCO. You also need a user name and password to log in to [TIBCO Support](#) website. If you do not have a user name, you can request one by clicking **Register** on the website.

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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