



TIBCO® Product and Service Inventory

REST Services Guide

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REST Services Overview

REST stands for Representational State Transfer. It relies on a stateless, client-server, cache-able communications protocol, and in virtually all cases, the HTTP protocol is used.

REST is an architecture style for designing networked applications. Rather than using complex mechanisms such as SOAP to connect between machines, simple HTTP is used to make calls between machines.

REST applications use HTTP requests to post data (create and update), read data (for example make queries), and delete data. Thus, REST uses HTTP for all four CRUD (Create, Read, Update or Delete) operations. REST is a lightweight alternative to mechanisms like RPC (Remote Procedure Calls) and Web Services (SOAP, WSDL, etc). Despite being simple, REST is fully-featured and there is nothing you can do in Web Services that cannot be done with a REST architecture.

REST Service Methods

The various methods of REST services are as follows:

Service Name	Description
GET	Provides read-only access to a resource.
POST	Used to update an existing resource.
PUT	Used to create a new resource.
DELETE	Used to remove a resource.

REST Service Endpoint

This default URL format for the endpoint is:

`<host:port>/swagger-ui/index.html`

Example: `localhost:8080/swagger-ui/index.html`

REST Service Resource

In any REST service, it is good to have all the resources structured by their hierarchy. The resources are then specified in the hierarchical part of the URL. The hierarchical parts are required and unique.

This means that none of them can be omitted and all of them can appear only once. Certain parts of the URL are going to be fixed (such as the server name, port, and endpoint), and certain parts are going to be parameter-based. The parameter-based parts are often denoted in code and documentation by curly braces.

For example, a web service for a record. Your data might be organized into the repository, which contains records, which in turn contains Attributes and Relationships. The resource URL is as follows: `http://server:9393/eml/rest/records/{repositoryName}/{id}`. Sending a DELETE request to this URL might remove a record from the existing repository while sending a GET request to this URL might retrieve the details of a particular record id.

REST Service Parameters

REST parameters specify the variable parts of your resources and the data that you work with. In a REST request, the resource that you work with is specified in the URL - Uniform Resource Locator.

REST Service Request Body

In the request, we send the data as a JSON object.

Response Codes and Descriptions

The following response codes and descriptions are standard for all the services, but all the response codes might not apply to each of the services.

Response Code	Description
200	Success
204	No Content
400	Bad Request
401	Unauthorized Request
403	Forbidden
404	Not Found
422	Unprocessable ENTITY
500	Internal Server Error

Swagger API Reference

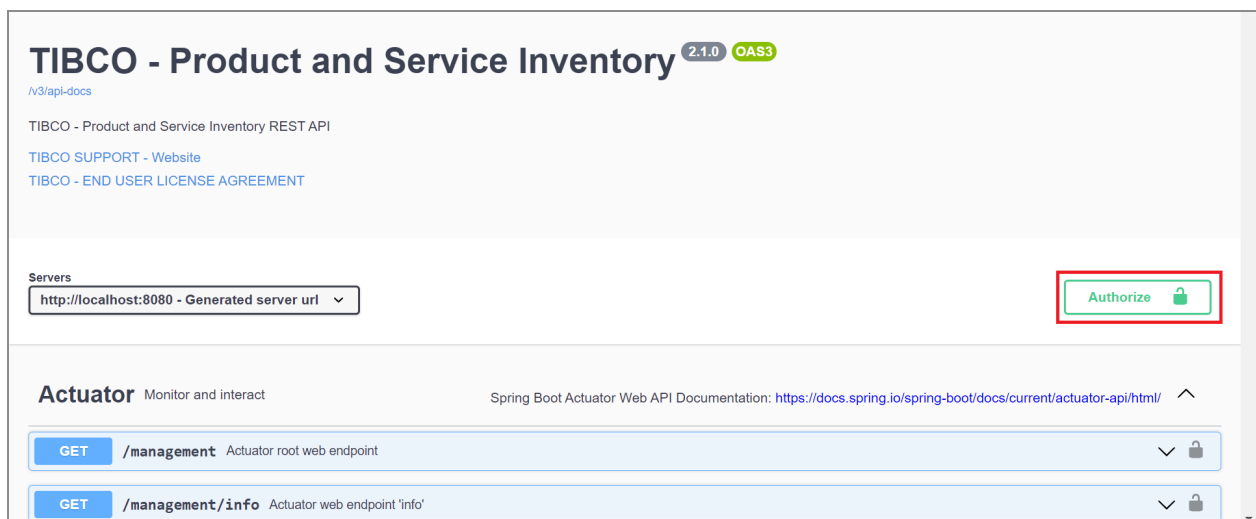
This section describes about the Swagger UI and the functionality it is capable of.

Swagger UI

The Swagger UI is an open source project to visually render documentation for a Swagger-defined API, directly from the API's Swagger specification. Currently, it uses the Swagger specification 3.0 version.

The REST APIs are grouped and tagged as per their category. For example, all the APIs related to batch function are tagged under the **Batch Apis** heading.

See the following sample of a Swagger UI window for one of the TIBCO PSI services.



The following information is displayed on the Swagger UI.

Base URL: Each server has a base URL that has the following format. All API endpoints are relative to the base URL.

scheme://host[:port] [/path] [parameters]

Example:

http://localhost:8080/restapi/v1/party

Where

- `localhost` is the host
- `8080` is the port to access the host
- `http://localhost:8080` is the base URL
- `/restapi/v1/party` is the endpoint path
- **Port Type:** Port type of service.
- **Schemes:** Security schemes used to run the operations.
- **Operations:** Shows a list of all the operations that are implemented by the REST Service on each Endpoint. Operations are HTTP methods (for example GET, POST, DELETE) used to access the Base URL.
From this field, you can invoke an operation and receive a live Response for the specific inputs.
- **Models:** Shows the schema in detail in JSON format. It shows how data in the WSDL and XSD is configured.

Invoking an Operation

For each resource path, you must define operations (or HTTP methods) that can be used to access the path.

Supported Operations

The following operations are supported by REST APIs:

- GET
- POST
- PUT
- DELETE

Information in Response

For each supported operation, you can visualize what a Response would look like before sending a Request. The **Responses** section displays the following information:


- **Response content type:** You can view the Response in the JSON or XML format. The default format is JSON.
- **Request URL:** You can use this URL to send the request.
- **Server responses:** This section displays the **Code**, **Response Body**, and **Response Headers**.
- **Responses:** This section displays the **Code** and a **Description** that indicates whether a successful Response or Fault is produced. It also includes links to an **Example Value** and the corresponding **Model**. The **Example Value** is displayed by default. Click **Model** to view the model.

Generating an authorization token

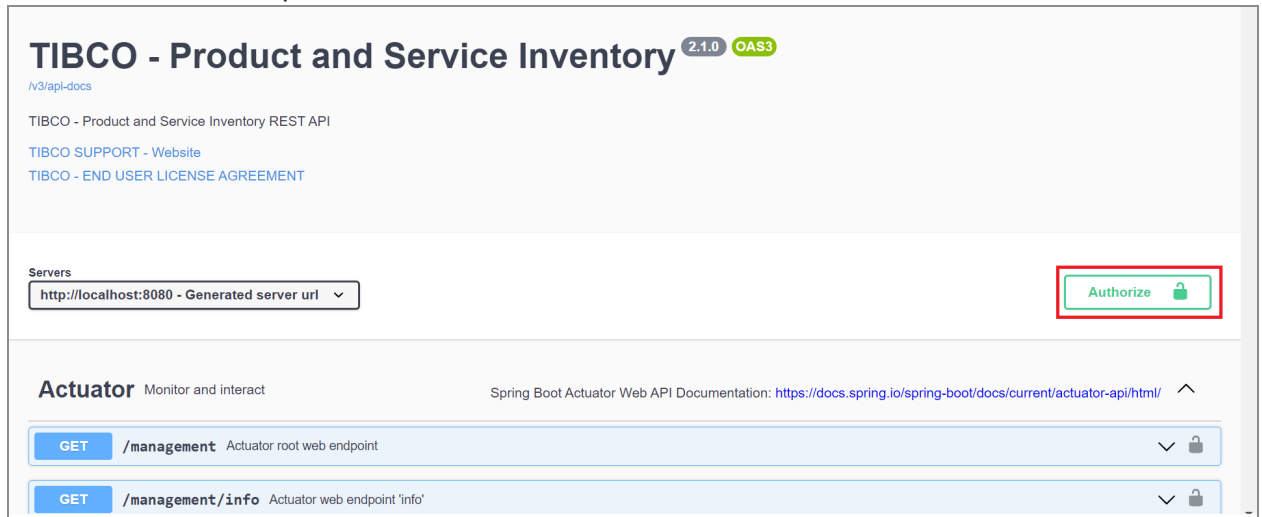
This token can be used to access various operations of TIBCO PSI.

Procedure

1. To authorize a particular service, open the REST API home page of that service in a browser.

 **Note:** If the enableSecureAPI value is set as false, the authentication is bypassed and you do not have to authorize the service.

- Click **Authorize** to open the Available Authorizations window.



- Pass the following mandatory parameters:

Element Name	Element Type	Description
username	String	username@tenantId
password	String	Existing password
client_id	String	order-management-client
client_secret	String	order-management-secret

Available authorizations ✕

OAuth Password (OAuth2, password)

Token URL: [http://\[redacted\]/oauth/token](http://[redacted]/oauth/token)
Flow: password

username:

password:

Client credentials location:
Authorization header ▾

client_id:

client_secret:

Scopes: [select all](#) [select none](#)

☐ *read*
read all

☐ *write*
write all

Authorize **Close**

4. Depending on the requirements, select the **read** or **write** check boxes (associated with the Scopes field), and then click **Authorize**.

Result

An authorization token is generated for the particular service. This token is unique and valid only for the dedicated user with a tenant ID. The access token is valid for a limited period.

Bulk Order Services

These REST services contain information on all the operations related to the Bulk Order functionality in Product and Service Inventory (Formerly TIBCO® Fulfillment Subscriber Inventory).

The list of Bulk Order services is as follows:

- [Start Bulk Load Operation](#)
- [View the Current Bulk Load Operation](#)
- [View all the Bulk Load Operations](#)

Start Bulk Load Operation

Use the following details to start a Bulk Load operation using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/admin/bulk/start/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {
    "completed": true,
    "endTime": "2016-07-31T05:17:58.873Z",
    "loadId": "string",
    "logs": [
      {
        "loadEntity": "string",
        "loadId": "string",
        "logData": "string",
        "logTime": "2016-07-31T05:17:58.873Z",
        "sid": 0,
        "tenantId": "string"
      }
    ],
    "startTime": "2016-07-31T05:17:58.873Z"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
}
```

```
"startTimestampMS": 0  
}
```

View Current Bulk Load Operation

Use the following details to view the current Bulk Load operation using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/admin/bulk/current

Request Model

Media Type: application/json

Response Model

```
{  
  "data": {  
    "completed": true,  
    "endTime": "2016-08-01T17:33:36.291Z",  
    "loadId": "string",  
  }  
}
```

```
    "logs": [  
      {  
        "loadEntity": "string",  
        "loadId": "string",  
        "logData": "string",  
        "logTime": "2016-08-01T17:33:36.291Z",  
        "sid": 0,  
        "tenantId": "string"  
      }  
    ],  
    "startTime": "2016-08-01T17:33:36.291Z"  
  },  
  "duration": 0,  
  "result": {  
    "code": "string",  
    "message": "string",  
    "params": [  
      "string"  
    ]  
  },  
  "startTimestampMS": 0  
}
```

View all the Bulk Load Operations

Use the following details to view all the Bulk Load operations using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/admin/bulk

Request Model

Media Type: application/json

Response Model

```
{
  "data": {
    "matches": [
      {
        "completed": true,
        "endTime": "2016-08-01T17:33:36.288Z",
        "loadId": "string",
        "logs": [
          {
            "loadEntity": "string",
            "loadId": "string",
            "logData": "string",
            "logTime": "2016-08-01T17:33:36.288Z",
            "sid": 0,
            "tenantId": "string"
          }
        ],
        "startTime": "2016-08-01T17:33:36.288Z"
      }
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
}
```

```
"startTimestampMS": 0  
}
```

Party Services

These REST services contain information on all the operations related to the Party functionality in TIBCO® Product and Service Inventory (PSI).

The list of Party services is as follows:

- [Create Party](#)
- [Get parties by query](#)
- [Get party by id](#)
- [Update a Party](#)
- [Delete a Party](#)
- [Add the Characteristics to a Party](#)
- [View all the Characteristics of a Party](#)
- [View the Characteristics of a Party](#)
- [Update the Characteristics of a Party](#)
- [Delete the Characteristics of a Party](#)
- [Add a Lock to a Party](#)
- [View all the Locks of a Party](#)
- [View the Lock of a Party](#)
- [Delete all Locks of a Party](#)
- [Delete the Lock of a Party](#)

Create Party

Use the following details to add a Party using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdBy	string	No
createdOn	dateTime	No
deleted	boolean	No
id	string	No
lastUpdatedBy	string	No
locked	boolean	No
name	string	No
ownedBy	string	No

Parameter Name	Data Type	Mandatory
parentPartyId	string	No
ref	string	No
sid		No
status	string	Yes
subType	string	No
type	string	Yes
updatedAtOn	dateTime	No
version		No
batch	string	No

Request Model

Media Type: application/json

```
{
  "version": 0,
  "type": "string",
  "id": "string",
  "status": "string",
  "subType": "string",
  "tenantId": "string",
  "batch": {
    "id": "string",
    "sid": 0
  },
  "updatedAtOn": "2022-08-03T17:33:14.776Z",
  "ref": "string",
  "sid": 0,
  "createdBy": "string",
  "locked": true,
```

```

    "createdOn": "2022-08-03T17:33:14.776Z",
    "ownedBy": "string",
    "lastUpdatedBy": "string",
    "deleted": true,
    "parentPartyId": "string",
    "name": "string"
  }

```

Response Model

Correct response model:

```

{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "version": 1,
    "type": "string",
    "id": "string",
    "status": "string",
    "subType": string,
    "tenantId": "string",
    "batch": string,
    "updatedOn": "2022-07-25T04:58:44.226+0000",
    "ref": string,
    "createdBy": "string",
    "locked": false,
    "createdOn": "2022-07-25T04:58:44.226+0000",
    "ownedBy": "string",
    "lastUpdatedBy": "string",
    "deleted": false,
    "parentPartyId": string,
    "name": "string"
  },
  "startTimestampMS": 1658725124201,
  "duration": 102
}

```

Get parties by query

Use the following details to view all the Parties using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
queryData	query	optional

Request Model

Media Type: application/json

Response Model

```
{
  "data": {
    "matches": [
      {}
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Get party by id

Use the following details to view a Party using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {},
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Update a Party

Use the following details to update a Party using the REST interface:

HTTP Method

PUT

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdBy	string	No
createdOn	dateTime	No
deleted	boolean	No
id	string	No
lastUpdatedBy	string	No
locked	boolean	No
name	string	No
ownedBy	string	No
parentPartyId	string	No
ref	string	No
sid		No

Parameter Name	Data Type	Mandatory
status	string	No
subType	string	No
type	string	No
updatedAtOn	dateTime	No
version		No
batchid		No

Request Model

Media Type: application/json

```
{
  "version": 0,
  "type": "string",
  "id": "string",
  "status": "string",
  "subType": "string",
  "tenantId": "string",
  "batch": {
    "id": "string",
    "sid": 0
  },
  "updatedAtOn": "2022-08-04T04:38:57.323Z",
  "ref": "string",
  "sid": 0,
  "createdBy": "string",
  "locked": true,
  "createdOn": "2022-08-04T04:38:57.323Z",
  "ownedBy": "string",
  "lastUpdatedBy": "string",
  "deleted": true,
  "parentPartyId": "string",
  "name": "string"
}
```

Response Model

```
{
  "data": {
    "createdBy": "string",
    "createdOn": "2016-07-31T05:17:59.056Z",
    "deleted": true,
    "id": "string",
    "lastUpdatedBy": "string",
    "locked": true,
    "name": "string",
    "ownedBy": "string",
    "parentPartyId": "string",
    "ref": "string",
    "sid": 0,
    "status": "string",
    "subType": "string",
    "type": "string",
    "updatedOn": "2016-07-31T05:17:59.056Z",
    "version": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Delete a Party

Use the following details to delete a Party using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": null,
  "startTimestampMS": 1659693941356,
```

```
"duration": 280  
}
```

Add the Characteristics to a Party

Use the following details to add characteristics to a Party using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/characteristic

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	optional
name	string	Mandatory
sid	string	optional
value	string	Mandatory

Request Model

Media Type: application/json

```
{
  "id": "string",
  "name": "string",
  "sid": 0,
  "value": "string"
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "id": "string",
    "sid": 0,
    "name": "String",
    "value": "string"
  },
  "startTimeStampMS": 1659694070426,
  "duration": 286
}
```

View all the Characteristics of a Party

Use the following details to view all the Characteristics of a Party using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/characteristic

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success."
    }
  }
}
```

```
    "code": "0000"
  },
  "params": [],
  "message": "Success."
},
"data": [
  {
    "id": "string",
    "sid": 129,
    "name": "string",
    "value": "string"
  },
  {
    "id": "string",
    "sid": 160,
    "name": "String",
    "value": "string"
  }
],
"startTimestampMS": 1659694234916,
"duration": 137
}
```

View the Characteristics of a Party

Use the following details to view the Characteristics of a Party using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
characteristicId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "id": "string",
    "sid": null,
    "name": "string",
    "value": "string"
  },
}
```

```
"startTimestampMS": 1659694482970,  
"duration": 93  
}
```

Update the Characteristics of a Party

Use the following details to update the characteristics of a Party using the REST interface:

HTTP Method

PUT

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

	Data Type	Mandatory
id	string	Yes
characteristicId	string	Yes

	Data Type	Mandatory
id	string	No
name	string	No
sid		No
value	string	No

Request Model

Media Type: application/json

```
{
  "id": "string",
  "name": "string",
  "sid": 0,
  "value": "string"
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "id": "string",
    "sid": 0,
    "name": "string",
    "value": "string"
  }
}
```

```
},  
"startTimestampMS": 1659694857440,  
"duration": 247  
}
```

Delete the Characteristics of a Party

Use the following details to delete the characteristics of a Party using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
characteristicId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "id": "string",
    "sid": null,
    "name": null,
    "value": null
  },
  "startTimestampMS": 1659695110932,
  "duration": 238
}
```

Add a Lock to a Party

Use the following details to add a lock to a Party using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/lock

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdBy	string	optional
createdOn	dateTime	optional
current	boolean	optional
key	string	Mandatory
priority		Mandatory
timeout		Mandatory
id		Mandatory

Request Model

Media Type: application/json

```
{
  "createdBy": "string",
```

```

    "createdOn": "2016-07-31T05:17:58.844Z",
    "current": true,
    "key": "string",
    "priority": 0,
    "timeout": 0
  }

```

Response Model

```

{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "current": true,
    "timeout": 0,
    "key": "string",
    "createdBy": "admin",
    "createdOn": "2022-08-05T10:33:11.447+0000",
    "priority": 0
  },
  "startTimestampMS": 1659695597012,
  "duration": 160
}

```

View all the Locks of a Party

Use the following details to view all the Locks of a Party using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/lock

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": [
    {
```

```
    "current": true,  
    "timeout": 0,  
    "key": "string",  
    "createdBy": "admin",  
    "createdOn": "2022-08-05T10:33:11.447+0000",  
    "priority": 0  
  }  
],  
"startTimestampMS": 1659695755728,  
"duration": 90  
}
```

View the Lock of a Party

Use the following details to view the Lock of a Party using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/lock/{key}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
key	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "current": true,
    "timeout": 0,
    "key": "string",
    "createdBy": "admin",
    "createdOn": "2022-08-05T10:33:11.447+0000",
    "priority": 0
  },
  "startTimestampMS": 1659695898037,
  "duration": 84
}
```

Delete all Locks of a Party

Use the following details to delete all locks of a Party using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/lock

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success."
    }
  }
}
```

```
    "code": "0000"  
  },  
  "params": [],  
  "message": "Success."  
},  
"data": null,  
"startTimestampMS": 1659696073045,  
"duration": 218  
}
```

Delete the Lock of a Party

Use the following details to delete the lock of a Party using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/party/{id}/lock/{key}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
key	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": null,
  "startTimestampMS": 1659696338248,
  "duration": 192
}
```

Item Services

These REST services contain information on all the operations related to the Item functionality in Product and Service Inventory.

The list of Item services is as follows:

- [Add an Item](#)
- [View all the Items](#)
- [View an Item](#)
- [Update an Item](#)
- [Delete an Item](#)
- [Add the Characteristics to an Item](#)
- [View all the Characteristics of an Item](#)
- [View the Characteristic of an Item](#)
- [Update the Characteristics of the Item](#)
- [Delete the Characteristics of an Item](#)
- [Add a Relationship to an Item](#)
- [View all the Relationships of an Item](#)
- [View a Relationship of an Item](#)
- [Delete the Relationship of an Item](#)
- [Add an Order to an Item](#)
- [View all the Orders of an Item](#)
- [View an Order of an Item](#)
- [Update the Order of an Item](#)
- [Delete the Order of an Item](#)
- [Add a Lock to an Item](#)

- [View all the Locks on an Item](#)
- [View the Lock of an Item](#)
- [Delete all Locks of an Item](#)
- [Delete the Lock of an Item](#)

Add an Item

Use the following details to add an Item using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item

Request Parameters

Provide values for the following parameters

Parameter Name	Data Type	Mandatory
createdBy	string	No
createdOn	dateTime	No

Parameter Name	Data Type	Mandatory
deleted	boolean	No
endDate	dateTime	No
id	string	No
lastUpdatedBy	string	No
locked	boolean	No
name	string	No
ownedBy	string	No
partyId	string	Yes
productID	string	Yes
productVersion	string	No
ref	string	No
startDate	dateTime	Yes
status	string	Yes
subType	string	No
type	string	Yes
updatedOn	dateTime	No
version		No

Request Model

Media Type: application/json

```
{
  "createdBy": "string",
  "createdOn": "2016-07-31T05:17:58.828Z",
  "deleted": true,
  "endDate": "2016-07-31T05:17:58.828Z",
  "id": "string",
  "lastUpdatedBy": "string",
  "locked": true,
  "name": "string",
  "ownedBy": "string",
  "partyId": "string",
  "productId": "string",
  "productVersion": "string",
  "ref": "string",
  "startDate": "2016-07-31T05:17:58.828Z",
  "status": "string",
  "subType": "string",
  "type": "string",
  "updatedOn": "2016-07-31T05:17:58.828Z",
  "version": 0
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "version": 1,
    "type": "string",
    "id": "string",
    "status": "string",
    "locked": true,
    "subType": "string",
    "tenantId": "string",
    "batch": null,
  }
}
```

```
    "updatedOn": "2022-08-05T10:52:58.641+0000",  
    "ref": "string",  
    "createdBy": "string",  
    "createdOn": "2022-08-05T10:52:58.641+0000",  
    "ownedBy": "string",  
    "lastUpdatedBy": "string",  
    "deleted": false,  
    "productId": "string",  
    "productVersion": "string",  
    "partyId": "string",  
    "startDate": "2022-07-20T10:34:08.643+0000",  
    "endDate": "2022-07-20T10:34:08.643+0000",  
    "name": "string"  
  },  
  "startTimestampMS": 1659696778601,  
  "duration": 123  
}
```

View all the Items

Use the following details to view all the Items using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
queryData	query	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {
    "matches": [
      {}
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

View an Item

Use the following details to view an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success."
    }
  }
}
```

```

    "code": "0000"
  },
  "params": [],
  "message": "Success."
},
"data": {
  "version": 1,
  "type": "string",
  "id": "string",
  "status": "string",
  "locked": false,
  "subType": "string",
  "tenantId": "string",
  "batch": null,
  "updatedOn": "2022-08-05T10:52:58.641+0000",
  "ref": "string",
  "createdBy": "string",
  "createdOn": "2022-08-05T10:52:58.641+0000",
  "ownedBy": "string",
  "lastUpdatedBy": "string",
  "deleted": false,
  "productId": "string",
  "productVersion": "string",
  "partyId": "string",
  "startDate": "2022-07-20T10:34:08.643+0000",
  "endDate": "2022-07-20T10:34:08.643+0000",
  "name": "string"
},
"startTimestampMS": 1659697131135,
"duration": 56
}

```

Update an Item

Use the following details to update an Item using the REST interface:

HTTP Method

PUT

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
createdBy	string	No
createdOn	dateTime	No
deleted	boolean	No
endDate	dateTime	No
id	string	No
lastUpdatedBy	string	No
locked	boolean	No
name	string	No
ownedBy	string	No
partyId	string	No

Parameter Name	Data Type	Mandatory
productId	string	No
productVersion	string	No
ref	string	No
startDate	dateTime	No
status	string	No
subType	string	No
type	string	No
updatedAtOn	dateTime	No
version		No

Request Model

Media Type: application/json

```
{
  "createdBy": "string",
  "createdOn": "2016-07-31T05:17:58.828Z",
  "deleted": true,
  "endDate": "2016-07-31T05:17:58.828Z",
  "id": "string",
  "lastUpdatedBy": "string",
  "locked": true,
  "name": "string",
  "ownedBy": "string",
  "partyId": "string",
  "productId": "string",
  "productVersion": "string",
  "ref": "string",
  "startDate": "2016-07-31T05:17:58.828Z",
  "status": "string",
```

```

    "subType": "string",
    "type": "string",
    "updatedOn": "2016-07-31T05:17:58.828Z",
    "version": 0
  }

```

Response Model

```

{
  "data": {
    "createdBy": "string",
    "createdOn": "2016-07-31T05:17:58.956Z",
    "deleted": true,
    "endDate": "2016-07-31T05:17:58.956Z",
    "id": "string",
    "lastUpdatedBy": "string",
    "locked": true,
    "name": "string",
    "ownedBy": "string",
    "partyId": "string",
    "productId": "string",
    "productVersion": "string",
    "ref": "string",
    "startDate": "2016-07-31T05:17:58.956Z",
    "status": "string",
    "subType": "string",
    "type": "string",
    "updatedOn": "2016-07-31T05:17:58.956Z",
    "version": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}

```

Delete an Item

Use the following details to delete an Item using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": null,
  "startTimeMS": 1659697258119,
  "duration": 84
}
```

Add the Characteristics to an Item

Use the following details to add characteristics to an Item using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/characteristic

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
name	string	Yes
sid	string	No
value	string	Yes
id	string	No

Request Model

Media Type: application/json

```
{
  "id": "string",
  "name": "string",
  "sid": 0,
  "value": "string"
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
  },
}
```

```
    "params": [],  
    "message": "Success."  
  },  
  "data": {  
    "id": "string",  
    "sid": 0,  
    "name": "string",  
    "value": "string"  
  },  
  "startTimestampMS": 1659697539135,  
  "duration": 305  
}
```

View all the Characteristics of an Item

Use the following details to view all the Characteristics of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/characteristic

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": [
    {
      "id": "string",
      "sid": 109,
      "name": "string",
      "value": "string"
    },
    {
      "id": "string",
      "sid": 192,
      "name": "string",
      "value": "string"
    }
  ],
  "startTimestampMS": 1659697763167,
  "duration": 83
}
```

View the Characteristics of an Item

Use the following details to view the characteristics of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
characteristicId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "id": "string",
    "sid": null,
    "name": "string",
    "value": "string"
  },
  "startTimestampMS": 1659698019003,
  "duration": 83
}
```

Update the Characteristics of the Item

Use the following details to update the characteristics of the Item using the REST interface:

HTTP Method

PUT

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
characteristicId	string	Yes
id	string	No
name	string	No
sid		No
value	string	No

Request Model

Media Type: application/json

```
{
  "id": "string",
  "name": "string",
  "sid": 0,
  "value": "string"
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success."
    }
  }
}
```

```
    "code": "0000"
  },
  "params": [],
  "message": "Success."
},
"data": {
  "id": "string",
  "sid": 0,
  "name": "string",
  "value": "string"
},
"startTimestampMS": 1659698823008,
"duration": 310
}
```

Delete the Characteristics of an Item

Use the following details to delete the characteristics of an Item using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
characteristicId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "id": "string",
    "sid": null,
    "name": null,
    "value": null
  },
  "startTimestampMS": 1659699021314,
  "duration": 260
}
```

Add a Relationship to an Item

Use the following details to add a Relationship to an Item using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/relationship

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
childId	string	Yes
forwardType	string	Yes
reverseType	string	Yes

Request Model

Media Type: application/json

```
{  
  "childId": "string",  
  "forwardType": "string",
```

```
"id": "string",  
"reverseType": "string"  
}
```

Response Model

```
{  
  "result": {  
    "code": {  
      "severity": "Success",  
      "message": "Success.",  
      "code": "0000"  
    },  
    "params": [],  
    "message": "Success."  
  },  
  "data": {  
    "id": string,  
    "childId": "string",  
    "forwardType": "string",  
    "reverseType": "string"  
  },  
  "startTimestampMS": 1659699340465,  
  "duration": 2  
}
```

View all the Relationships of an Item

Use the following details to view all the Relationships of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/relationship

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": [
    {
```

```
    "id": "184",  
    "childId": "string",  
    "forwardType": "string",  
    "reverseType": "string"  
  },  
  {  
    "id": "108",  
    "childId": "string",  
    "forwardType": "string",  
    "reverseType": "string"  
  }  
],  
"startTimestampMS": 1659699706194,  
"duration": 1  
}
```

View a Relationship of an Item

Use the following details to view a Relationship of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/relationship/{relationshipId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
relationshipId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {
    "childId": "string",
    "forwardType": "string",
    "id": "string",
    "reverseType": "string"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Delete the Relationship of an Item

Use the following details to delete the relationship of an ITEM using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/relationship/{relationshipId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
relationshipId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {
    "childId": "string",
```

```
    "forwardType": "string",
    "id": "string",
    "reverseType": "string"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Add an Order to an Item

Use the following details to add an Order to an Item using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/order

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
lineAction	string	Yes
lineActionMode	string	No
lineNumber	string	Yes
orderDate	dateTime	Yes
orderRef	string	Yes
planItemAction	string	No
planItemId	string	No
sid		No
stringcomments	string	No

Request Model

Media Type: application/json

```
{
  "id": "string",
  "lineAction": "string",
  "lineActionMode": "string",
  "lineNumber": "string",
  "orderDate": "2016-07-31T05:17:58.828Z",
  "orderRef": "string",
  "planItemAction": "string",
  "planItemId": "string",
  "sid": 0,
  "stringComments": [
    "string"
  ]
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "sid": 0,
    "id": "string",
    "orderRef": "string",
    "orderDate": "2022-08-05T11:50:12.949+0000",
    "lineNumber": "string",
    "lineAction": "string",
    "lineActionMode": "string",
    "planItemId": "string",
    "planItemAction": "string",
    "stringComments": [
      "string"
    ]
  },
  "startTimestampMS": 1659700249055,
  "duration": 342
}
```

View all the Orders of an Item

Use the following details to view all the orders of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/order

Request Parameters

Provide values for the following parameters

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": [
    {
```

```

        "sid": 109,
        "id": "string",
        "orderRef": "string",
        "orderDate": "2014-06-27T19:41:15.000+0000",
        "lineNumber": "1",
        "lineAction": "string",
        "lineActionMode": null,
        "planItemId": null,
        "planItemAction": null,
        "stringComments": []
    },
    {
        "sid": 182,
        "id": "string",
        "orderRef": "string",
        "orderDate": "2022-08-05T11:50:12.949+0000",
        "lineNumber": "string",
        "lineAction": "string",
        "lineActionMode": "string",
        "planItemId": "string",
        "planItemAction": "string",
        "stringComments": [
            "string"
        ]
    }
],
"startTimestampMS": 1659700508456,
"duration": 136
}

```

View an Order of an Item

Use the following details to view an Order of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/order/{orderId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
orderId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
}
```

```
"data": {
  "sid": null,
  "id": "string",
  "orderRef": "string",
  "orderDate": "2022-08-05T11:50:12.949+0000",
  "lineNumber": "string",
  "lineAction": "string",
  "lineActionMode": "string",
  "planItemId": "string",
  "planItemAction": "string",
  "stringComments": [
    "string"
  ]
},
"startTimestampMS": 1659705612587,
"duration": 159
}
```

Update the Order of an Item

Use the following details to update the order of an Item using the REST interface:

HTTP Method

PUT

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/order/{orderId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
orderId	string	Yes
id	string	No
lineAction	string	No
lineActionMode	string	No
LineNumber	string	No
orderDate	dateTime	No
orderRef	string	No
planItemAction	string	No
planItemId	string	No
sid		No
stringComments	string	No

Request Model

Media Type: application/json

```
{  
  "id": "string",  
  "lineAction": "string",  
  "lineActionMode": "string",  
}
```

```

    "lineNumber": "string",
    "orderDate": "2016-07-31T05:17:58.828Z",
    "orderRef": "string",
    "planItemAction": "string",
    "planItemId": "string",
    "sid": 0,
    "stringComments": [
        "string"
    ]
}

```

Response Model

```

{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "sid": 0,
    "id": "string",
    "orderRef": "string",
    "orderDate": "2022-08-05T13:21:05.779+0000",
    "lineNumber": "string",
    "lineAction": "string",
    "lineActionMode": "string",
    "planItemId": "string",
    "planItemAction": "string",
    "stringComments": [
      "string"
    ]
  },
  "startTimestampMS": 1659706248081,
  "duration": 362
}

```

Delete the Order of an Item

Use the following details to delete the order of an Item using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/order/{orderId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
orderId	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "sid": null,
    "id": "string",
    "orderRef": null,
    "orderDate": null,
    "lineNumber": null,
    "lineAction": null,
    "lineActionMode": null,
    "planItemId": null,
    "planItemAction": null,
    "stringComments": []
  },
  "startTimestampMS": 1659706316977,
  "duration": 357
}
```

Add a Lock to an Item

Use the following details to add a lock to an Item using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/lock

Request Parameters

Provide values for the following parameters

Parameter Name	Data Type	Mandatory
id	string	Yes
createdBy	string	No
createdOn	dateTime	No
current	boolean	No
key	string	Yes
priority		Yes
timeout		Yes

Request Model

Media Type: application/json

```
{
  "createdBy": "string",
  "createdOn": "2016-07-31T05:17:58.844Z",
  "current": true,
  "key": "string",
  "priority": 0,
  "timeout": 0
}
```

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "current": true,
    "timeout": 0,
    "key": "string",
    "createdBy": "admin",
    "createdOn": "2022-08-05T13:32:34.896+0000",
    "priority": 0
  },
  "startTimestampMS": 1659706457249,
  "duration": 137
}
```

View all the Locks on an Item

Use the following details to view all the Locks on an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/lock

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": [
    {
      "current": true,
      "timeout": 0,
      "key": "655176e8-47cc-4aa7-a0ef-ef2a153d6cab",
      "createdBy": "admin",
      "createdOn": "2022-08-04T04:58:05.100+0000",
      "priority": 5
    }
  ]
}
```

```
] ,  
  "startTimeStampMS": 1659706513252,  
  "duration": 88  
}
```

View the Lock of an Item

Use the following details to view the Lock of an Item using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/lock/{key}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
key	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "current": true,
    "timeout": 0,
    "key": "655176e8-47cc-4aa7-a0ef-ef2a153d6cab",
    "createdBy": "admin",
    "createdOn": "2022-08-04T04:58:05.100+0000",
    "priority": 5
  },
  "startTimestampMS": 1659706571028,
  "duration": 82
}
```

Delete all Locks of an Item

Use the following details to delete all locks of an Item using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/lock

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {},
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Delete the Lock of an Item

Use the following details to delete the lock of an Item using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/item/{id}/lock/{key}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
key	dateTime	Yes

Request Model

Media Type: application/json

Response Model

```
{
  "data": {},
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Search Services

These REST services show how to implement the Search functionality on Product and Service Inventory.

The list of search services is as follows:

- [Search for a Party](#)
- [Search for an Item](#)
- [View the Saved Queries](#)

Search for a Party

Use the following details to search for a Party using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/partysearch

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
nbInstances		No
startIndex		No
queryName	string	No
op	string	No
parameters		No

Request Model

Media Type: application/json

```
{
  "pagination": {
    "nbInstances": 0,
    "startIndex": 0
  },
  "queryName": "string",
  "search": {
    "op": "string",
    "parameters": [
      {}
    ]
  }
}
```

Response Model

```
{
  "data": {
    "matches": [
      {}
    ],
    "nbResponses": 0,
  }
}
```

```
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Search for an Item

Use the following details to search for an Item using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/itemsearch

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
nbInstances		No
startIndex		No
queryName	string	No
op	string	No
parameters		No

Request Model

Media Type: application/json

```
{
  "pagination": {
    "nbInstances": 0,
    "startIndex": 0
  },
  "queryName": "string",
  "search": {
    "op": "string",
    "parameters": [
      {}
    ]
  }
}
```

Response Model

```
{
  "data": {
    "matches": [
      {}
    ],
    "nbResponses": 0,
  }
}
```

```
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Batch Services

Batch REST services show how to implement the Batch functionality on Product and Service Inventory.

The list of Batch services is as follows:

- [Start batch](#)
- [Complete batch](#)
- [Get batch](#)

Start batch

To start a batch using the REST interface, use the details mentioned in the following table. However, before you start a batch, obtain the following permissions:

- PERM_START_BATCH
- PERM_READ_BATCH

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/start-batch/{batchId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
batchId	string	Mandatory	The ID of the batch to start must be unique.

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": null,
  "startTimestampMS": 1659602211924,
  "duration": 9
}
```

Complete batch

Use the following details to complete a batch using the REST interface:

HTTP Method

POST

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/complete-batch/{batchId}/{action}

Request Parameters

To complete or rollback batches, use the complete batch operation. You need the PERM_COMPLETE_BATCH permission to call this operation. Then, provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
batchId	string	Mandatory	The ID of the batch to start must be unique.
requestAction	string	Mandatory	This is the batch action to complete. It can either be commit or rollback.

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
    }
  }
}
```

```
    "code": "0000"  
  },  
  "params": [],  
  "message": "Success."  
},  
"data": null,  
"startTimestampMS": 1659607001238,  
"duration": 130  
}
```

Get batch

Use the following details to complete a batch using the REST interface:

HTTP Method

GET

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/read-batch/{batchId}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
batchId	array [string]	Mandatory	The ID of the batch to start must be unique. There can be multiple strings for batchId.

Response Model

```
{
  "result": {
    "code": {
      "severity": "Success",
      "message": "Success.",
      "code": "0000"
    },
    "params": [],
    "message": "Success."
  },
  "data": {
    "batch": [
      {
        "entity": {
          "id": "1",
          "ownedBy": "admin",
          "createdBy": "admin",
          "createdDate": "2022-08-04T08:35:15.417+0000",
          "lastUpdatedBy": null,
          "lastUpdatedDate": null,
          "entities": null
        },
        "message": "Success."
      }
    ],
    "resultStatus": "Successfully get data."
  },
  "startTimestampMS": 1659602731239,
  "duration": 25
}
```

Purge Services

The purge performs a physical delete of entities in the application that has previously been marked for deletion through the delete operation.

The associated child or parent entities are not deleted by this operation.

The entities to be purged can be controlled by setting additional input parameters on the request.

You must have one of the following permissions for the respective action (delete item or party) to call this operation:

- PERM_PURGE_ITEM
- PERM_PURGE_PARTY

These REST services show how to implement the purge functionality on TIBCO Product and Service Inventory.

The purge services are as follows:

- [Purge item by Ids](#)
- [Purge all items](#)
- [Purge party by Ids](#)
- [Purge all parties](#)

Purge item by Ids

Use the following details to purge items using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/purge/item/{ids}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
ids	array [string]	Mandatory	You can provide multiple item Ids as comma-separated values.

Purge all items

Use the following details to purge all items using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/purge/all-item/{purgeAll}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
purgeAll	Boolean	Mandatory	The possible values are true or false.

Request Model

Media Type: application/json

```
{  
  Example  
}
```

Response Model

```
{  
  Example  
}
```

Purge party by Ids

Use the following details to purge parties using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/purge/party/{ids}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
ids	array [string]	Mandatory	You can provide multiple party ids as comma-separated values.

Request Model

Media Type: application/json

```
{  
  Example  
}
```

Response Model

```
{  
  Example  
}
```

Purge all parties

Use the following details to purge all parties using the REST interface:

HTTP Method

DELETE

Endpoint URL

See the [REST Service Endpoint](#) topic for more details.

Resource

/restapi/v1/purge/all-party/{purgeAll}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Cardinality	Description
purgeAll	Boolean	Mandatory	The possible values are true or false.

Request Model

Media Type: application/json

```
{  
  Example  
}
```

Response Model

```
{  
  Example  
}
```

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For information about this product, you can read the documentation, contact TIBCO Support, and join TIBCO Community.

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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® Product and Service Inventory](#) documentation page:

- *TIBCO® Product and Service Inventory Release Notes*
- *TIBCO® Product and Service Inventory Installation and Configuration*
- *TIBCO® Product and Service Inventory User Guide*
- *TIBCO® Product and Service Inventory REST Services Guide*
- *TIBCO® Product and Service Inventory Web Services Guide*

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