

TIBCO® Fulfillment Subscriber Inventory REST Services Guide

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Contents

TIBCO Documentation and Support Services	6
REST Services Overview	7
REST Service Methods	7
REST Service Endpoint	7
REST Service Resource	7
REST Service Header	7
REST Service Parameters	8
REST Service Request Body	8
Login Services	9
Logging in to Fulfillment Subscriber Inventory	9
Bulk Order Services	11
Start Bulk Load Operation	11
View Current Bulk Load Operation	12
View all the Bulk Load Operations	13
Administration Services	15
Add a Tenant	15
View all the Tenants	16
View a Tenant	17
Update a Tenant	18
Delete a Tenant	19
Add a User Role	20
View all the User Roles	22
View a User Role	23
Update a User Role	24
Delete a User Role	25
View the User Permissions	26
Add a User	27
View all the Users	28
View a User	29
Update a User	30
Delete a User	32
Party Services	34
Add a Party	34
View all the Parties	36
View a Party	37
Update a Party	38

Delete a Party	40
Add the Characteristics to a Party	41
View all the Characteristics of a Party	42
View the Characteristics of a Party	43
Update the Characteristics of a Party	44
Delete the Characteristics of a Party	45
Add a Lock to a Party	46
View all the Locks of a Party	48
View the Lock of a Party	49
Delete all Locks of a Party	50
Delete the Lock of a Party	51
Item Services	53
Add an Item	53
View all the Items	55
View an Item	56
Update an Item	57
Delete an Item	59
Add the Characteristics to an Item	60
View all the Characteristics of an Item	62
View the Characteristics of an Item	63
Update the Characteristics of the Item	64
Delete the Characteristics of an Item	65
Add a Relationship to an Item	66
View all the Relationships of an Item	67
View a Relationship of an Item	68
Delete the Relationship of an Item	69
Add an Order to an Item	70
View all the Orders of an Item	72
View an Order of an Item	73
Update the Order of an Item	74
Delete the Order of an Item	76
Add a Lock to a Item	77
View all the Locks on an Item	78
View the Lock of an Item	79
Delete all Locks of an Item	80
Delete the Lock of an Item	81
Search Services	83
Search for a Party	83
Search for an Item	84

[View the Saved Queries](#) 86

TIBCO Documentation and Support Services

Documentation for this and other TIBCO products is available on the TIBCO Documentation site. This site is updated more frequently than any documentation that might be included with the product. To ensure that you are accessing the latest available help topics, please visit:

<https://docs.tibco.com>

Product-Specific Documentation

The following documents for this product can be found on the TIBCO Documentation site:

- *TIBCO Fulfillment Subscriber Inventory Installation and Configuration Guide*
- *TIBCO Fulfillment Subscriber Inventory User's Guide*
- *TIBCO Fulfillment Subscriber Inventory Web Services Guide*
- *TIBCO Fulfillment Subscriber Inventory REST Services Guide*
- *TIBCO Fulfillment Subscriber Inventory Release Notes*

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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 basically 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 a read only access to a resource.
PUT	Used to create a new resource.
DELETE	Used to remove a resource.
POST	Used to update an existing resource.

REST Service Endpoint

This default URL format for the endpoint is:

`<MachineName:port>/fsi-server/restapi/v1/`

Example: `localhost:8080/fsi-server/restapi/v1/`

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 in documentation by curly braces.

For example, a web service for a record. Your data might be organized into repository, which contain records, which in turn contain 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 existing repository, while sending a GET request to this URL might retrieve the details of a particular record id.

REST Service Header

REST call headers are in fact HTTP headers, a required component of the message. They denote the operating parameters of the transaction, also called as metadata.

The headers include:

- **HEADER_JWT** - This header is required for all operations except authenticate. The value of this header will be the token, which is returned as part of the authenticate response. This token is valid for a fixed time (default 60 minutes) and it needs to be renewed after expiry.
- **Content-type** - The content type should denotes the content type of the request and response. For inventory this will be application/json

REST Service Parameters

REST parameters specify the variable parts of your resources, the data that you will 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.

Login Services

These REST services show how to implement the login functionality on Fulfillment Subscriber inventory.

The list of authentication or login services are as follows:

- [Logging in to Fulfillment Subscriber Inventory](#)

Logging in to Fulfillment Subscriber Inventory

Use the following details to log in to Fulfillment Subscriber Inventory using REST interface:

HTTP Method

POST

Endpoint URL

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

Resource

/auth/token

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
password	string	optional
userName	string	optional

Request Model

Media Type: application/json

```
{
  "password": "string",
  "userName": "string"
}
```

Response Model

```
{
  "data": {
    "roles": [
      {
        "authority": "string",
        "createdOn": "2016-07-31T05:17:58.851Z",
        "grantedPermissions": 0,
        "id": "string",
        "sid": 0,
        "tenant": {
          "createdOn": "2016-07-31T05:17:58.851Z",
          "description": "string",
          "id": "string"
        },
        "updatedOn": "2016-07-31T05:17:58.851Z"
      }
    ]
  }
}
```

```

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

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Bulk Order Services

These REST services contain information on all the operations related to the Bulk Order functionality in Fulfillment Subscriber Inventory.

The list of Bulk Order services are 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 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
}

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View Current Bulk Load Operation

Use the following details to view the current Bulk Load operation using 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
  }
}

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View all the Bulk Load Operations

Use the following details to view all the Bulk Load operations using 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  
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Administration Services

These REST services contain information on all the operations related to the Fulfillment Subscriber Inventory administration.

The list of Administration services are as follows:

- [Add a Tenant](#)
- [View all the Tenants](#)
- [View a Tenant](#)
- [Update a Tenant](#)
- [Delete a Tenant](#)
- [Add a User Role](#)
- [View all the User Roles](#)
- [View a User Role](#)
- [Update a User Role](#)
- [Delete a User Role](#)
- [View the User Permissions](#)
- [Add a User](#)
- [View all the Users](#)
- [View a User](#)
- [Update a User](#)
- [Delete a User](#)

Add a Tenant

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

HTTP Method

POST

Endpoint URL

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

Resource

/admin/tenant

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdOn	dateTime	optional
description	string	optional

Parameter Name	Data Type	Mandatory
id	string	optional

Request Model

Media Type: application/json

```
{
  "createdOn": "2016-07-31T05:17:58.828Z",
  "description": "string",
  "id": "string"
}
```

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Tenants

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

HTTP Method

GET

Endpoint URL

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

Resource

/admin/tenant

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": {
    "matches": [
      {
        "createdOn": "2016-08-01T17:33:36.323Z",
        "description": "string",
        "id": "string"
      }
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View a Tenant

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

HTTP Method

GET

Endpoint URL

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

Resource

/admin/tenant/{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": {
    "createdOn": "2016-08-01T17:33:36.329Z",
    "description": "string",
    "id": "string"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update a Tenant

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

HTTP Method

PUT

Endpoint URL

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

Resource

/admin/tenant/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
createdOn	dateTime	No
description	string	No
id	string	No

Request Model

Media Type: application/json

```
{
  "createdOn": "2016-07-31T05:17:58.828Z",
  "description": "string",
  "id": "string"
}
```

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete a Tenant

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/admin/tenant/{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
}
```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add a User Role

Use the following details to add a User Role using REST interface:

HTTP Method

POST

Endpoint URL

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

Resource

/admin/role

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdOn	dateTime	No
id	string	No
permissions	string	No
updatedAtOn	dateTime	No

Request Model

Media Type: application/json

```
{
  "createdOn": "2016-07-31T05:17:58.828Z",
  "id": "string",
  "permissions": [
    "string"
  ],
  "updatedAtOn": "2016-07-31T05:17:58.828Z"
}
```

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the User Roles

Use the following details to view all the User Roles using REST interface:

HTTP Method

GET

Endpoint URL

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

Resource

/admin/role

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": [
      {
        "createdOn": "2016-08-01T17:33:36.302Z",
        "id": "string",
        "permissions": [
          "string"
        ],
        "updatedOn": "2016-08-01T17:33:36.302Z"
      }
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized

Response Code	Description
403	Forbidden
404	Not Found

View a User Role

Use the following details to view a User Role using REST interface:

HTTP Method

GET

Endpoint URL

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

Resource

/admin/role/{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": {
    "createdOn": "2016-08-01T17:33:36.312Z",
    "id": "string",
    "permissions": [
      "string"
    ],
    "updatedOn": "2016-08-01T17:33:36.312Z"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update a User Role

Use the following details to update a User Role using REST interface:

HTTP Method

PUT

Endpoint URL

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

Resource

/admin/role/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
createdOn	dateTime	No
id	string	No
permissions	string	No
updatedOn	dateTime	No

Request Model

Media Type: application/json

```
{
  "createdOn": "2016-07-31T05:17:58.828Z",
  "id": "string",
  "permissions": [
    "string"
  ],
  "updatedOn": "2016-07-31T05:17:58.828Z"
}
```

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete a User Role

Use the following details to delete a User Role using REST interface:

HTTP Method

DELETE

Endpoint URL

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

Resource

/admin/role/{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
  }
}

```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

View the User Permissions

Use the following details to view the User permissions using REST interface:

HTTP Method

GET

Endpoint URL

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

Resource

/admin/permission

Request Model

Media Type: application/json

Response Model

```

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

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Add a User

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

HTTP Method

POST

Endpoint URL

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

Resource

/admin/user

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdOn	dateTime	No
firstName	string	No
id	string	No
lastName	string	No
password	string	No
roles	string	No
tenant	string	No
updatedAt	dateTime	No

Request Model

Media Type: application/json

```
{
  "createdOn": "2016-07-31T05:17:58.828Z",
  "firstName": "string",
  "id": "string",
```

```

"lastName": "string",
"password": "string",
"roles": [
  "string"
],
"tenant": "string",
"updatedAt": "2016-07-31T05:17:58.828Z"
}

```

Response Model

```

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

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Users

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

HTTP Method

GET

Endpoint URL

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

Resource

/admin/user

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": [
      {
        "createdOn": "2016-08-01T17:33:36.342Z",
        "firstName": "string",
        "id": "string",
        "lastName": "string",
        "password": "string",
        "roles": [
          "string"
        ],
        "tenant": "string",
        "updatedOn": "2016-08-01T17:33:36.342Z"
      }
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View a User

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

HTTP Method

GET

Endpoint URL

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

Resource

/admin/user/{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": {
    "createdOn": "2016-08-01T17:33:36.348Z",
    "firstName": "string",
    "id": "string",
    "lastName": "string",
    "password": "string",
    "roles": [
      "string"
    ],
    "tenant": "string",
    "updatedOn": "2016-08-01T17:33:36.348Z"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update a User

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

HTTP Method

PUT

Endpoint URL

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

Resource

/admin/user/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
createdOn	dateTime	No
firstName	string	No
id	string	No
lastName	string	No
password	string	No
roles	string	No
tenant	string	No
updatedAt	string	No

Request Model

Media Type: application/json

```
{
  "createdOn": "2016-07-31T05:17:58.828Z",
  "firstName": "string",
  "id": "string",
  "lastName": "string",
  "password": "string",
  "roles": [
    "string"
  ],
  "tenant": "string",
  "updatedAt": "2016-07-31T05:17:58.828Z"
}
```

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete a User

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/admin/user/{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
}
```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Party Services

These REST services contain information on all the operations related to the Party functionality in Fulfillment Subscriber Inventory.

The list of Party services are as follows:

- [Add a Party](#)
- [View all the Parties](#)
- [View a Party](#)
- [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](#)

Add a Party

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

HTTP Method

POST

Endpoint URL

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

Resource

/party

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
createdBy	string	No
createdOn	dateTime	No
deleted	boolean	No

Parameter Name	Data Type	Mandatory
id	string	No
lastUpdatedBy	string	No
locked	boolean	No
name	string	No
ownedBy	string	No
parentPartyId	string	No
ref	string	No
sid		No
status	string	No
subType	string	No
type	string	No
updatedOn	dateTime	No
version		No

Parameter Description

Request Model

Media Type: application/json

```
{
  "createdBy": "string",
  "createdOn": "2016-07-31T05:17:58.828Z",
  "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": "2016-07-31T05:17:58.828Z",
  "version": 0
}
```

Response Model

```
{
  "data": {},
  "duration": 0,
}
```

```

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

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Parties

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

HTTP Method

GET

Endpoint URL

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

Resource

/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
  }
}

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View a Party

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

HTTP Method

GET

Endpoint URL

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

Resource

/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
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update a Party

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

HTTP Method

PUT

Endpoint URL

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

Resource

/party/{id}

Request Parameters

Provide values for the following parameters:

	Data Type	Mandatory
id	string	Yes
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

	Data Type	Mandatory
sid		No
status	string	No
subType	string	No
type	string	No
updatedAtOn	dateTime	No
version		No

Parameter Name	Parameter Description
----------------	-----------------------

Request Model

Media Type: application/json

```
{
  "createdBy": "string",
  "createdOn": "2016-07-31T05:17:58.828Z",
  "deleted": true,
  "id": "string",
  "lastUpdatedBy": "string",
  "locked": true,
  "name": "string",
  "ownedBy": "string",
  "parentPartyId": "string",
  "ref": "string",
  "sid": 0,
  "status": "string",
  "subType": "string",
  "type": "string",
  "updatedAtOn": "2016-07-31T05:17:58.843Z",
  "version": 0
}
```

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",
    "updatedAtOn": "2016-07-31T05:17:59.056Z",
    "version": 0
  },
  "duration": 0,
  "result": {
    "code": "string",

```

```

    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete a Party

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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
  }

```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add the Characteristics to a Party

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

HTTP Method

POST

Endpoint URL

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

Resource

/party/{id}/characteristic

Request Parameters

Provide values for the following parameters:

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

Request Model

Media Type: application/json

```

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

```

Response Model

```

{
  "data": {
    "id": "string",
    "name": "string",

```

```

    "sid": 0,
    "value": "string"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Characteristics of a Party

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```

{
  "data": [
    {
      "id": "string",

```

```

    "name": "string",
    "sid": 0,
    "value": "string"
  }
],
"duration": 0,
"result": {
  "code": "string",
  "message": "string",
  "params": [
    "string"
  ]
},
"startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View the Characteristics of a Party

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```

{
  "data": [
    {
      "id": "string",
      "name": "string",

```

```

        "sid": 0,
        "value": "string"
    }
],
"duration": 0,
"result": {
    "code": "string",
    "message": "string",
    "params": [
        "string"
    ]
},
"startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update the Characteristics of a Party

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

HTTP Method

PUT

Endpoint URL

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

Resource

/party/{id}/characteristic/{characteristicId}

Request Parameters

Provide values for the following parameters:

	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

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete the Characteristics of a Party

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add a Lock to a Party

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

HTTP Method

POST

Endpoint URL

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

Resource

/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	optional
priority		optional
timeout		optional

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

```
{
  "data": {
    "createdBy": "string",
    "createdOn": "2016-07-31T05:17:59.086Z",
    "current": true,
    "key": "string",
    "priority": 0,
    "timeout": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Locks of a Party

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```
{
  "data": [
    {
      "createdBy": "string",
      "createdOn": "2016-08-01T17:33:36.486Z",
      "current": true,
      "key": "string",
      "priority": 0,
      "timeout": 0
    }
  ],
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden

Response Code	Description
404	Not Found

View the Lock of a Party

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```
{
  "data": {
    "createdBy": "string",
    "createdOn": "2016-08-01T17:33:36.496Z",
    "current": true,
    "key": "string",
    "priority": 0,
    "timeout": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Delete all Locks of a Party

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Delete the Lock of a Party

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Item Services

These REST services contain information on all the operations related to the Item functionality in Fulfillment Subscriber Inventory.

The list of Item services are 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 REST interface:

HTTP Method

POST

Endpoint URL

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

Resource

/item

Request Parameters

Provide values for the following parameters

Parameter Name	Data Type	Mandatory
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
productID	string	No
productVersion	string	No
ref	string	No
startDate	dateTime	No
status	string	No
subType	string	No
type	string	No
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

```

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

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Items

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

HTTP Method

GET

Endpoint URL

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

Resource

/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
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update an Item

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

HTTP Method

PUT

Endpoint URL

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

Resource

/item/{id}

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
createdBy	string	No

Parameter Name	Data Type	Mandatory
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
productId	string	No
productVersion	string	No
ref	string	No
startDate	dateTime	No
status	string	No
subType	string	No
type	string	No
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",
"updatedAt": "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",
    "updatedAt": "2016-07-31T05:17:58.956Z",
    "version": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete an Item

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add the Characteristics to an Item

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

HTTP Method

POST

Endpoint URL

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

Resource

/item/{id}/characteristic

Request Parameters

Provide values for the following parameters:

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

Request Model

Media Type: application/json

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

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Characteristics of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/item/{id}/characteristics

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": [
    {
      "id": "string",
      "name": "string",
      "sid": 0,
      "value": "string"
    }
  ],
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View the Characteristics of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update the Characteristics of the Item

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

HTTP Method

PUT

Endpoint URL

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

Resource

/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

```
{
  "data": {
    "id": "string",
    "name": "string",
    "sid": 0,
    "value": "string"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  }
}
```

```

    },
    "startTimestampMS": 0
  }
}

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete the Characteristics of an Item

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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

```

{
  "data": {
    "id": "string",
    "name": "string",
    "sid": 0,
    "value": "string"
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [

```

```

    "string"
  ],
  "startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add a Relationship to an Item

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

HTTP Method

POST

Endpoint URL

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

Resource

/item/{id}/relationship

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
childId	string	No
forwardType	string	No
id	string	No
reverseType	string	No

Request Model

Media Type: application/json

```

{
  "childId": "string",
  "forwardType": "string",
  "id": "string",
  "reverseType": "string"
}

```

Response Model

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

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Relationships of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

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

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View a Relationship of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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
}

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Delete the Relationship of an Item

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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
}
```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add an Order to an Item

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

HTTP Method

POST

Endpoint URL

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

Resource

/item/{id}/order

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
id	string	Yes
id	string	No

Parameter Name	Data Type	Mandatory
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

```
{
  "data": {
    "id": "string",
    "lineAction": "string",
    "lineActionMode": "string",
    "lineNumber": "string",
    "orderDate": "2016-07-31T05:17:59.001Z",
    "orderRef": "string",
    "planItemAction": "string",
    "planItemId": "string",
    "sid": 0,
    "stringComments": [
      "string"
    ]
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  }
}
```

```

    "startTimestampMS": 0
  }

```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Orders of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```

{
  "data": [
    {
      "id": "string",
      "lineAction": "string",
      "lineActionMode": "string",
      "lineNumber": "string",
      "orderDate": "2016-08-16T09:19:59.889Z",
      "orderRef": "string",
      "planItemAction": "string",
      "planItemId": "string",
      "sid": 0,
      "stringComments": [
        "string"
      ]
    }
  ]
}

```

```

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

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View an Order of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```

{
  "data": {
    "id": "string",
    "lineAction": "string",
    "lineActionMode": "string",

```

```

    "lineNumber": "string",
    "orderDate": "2016-08-01T17:33:36.418Z",
    "orderRef": "string",
    "planItemAction": "string",
    "planItemId": "string",
    "sid": 0,
    "stringComments": [
      "string"
    ]
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}

```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Update the Order of an Item

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

HTTP Method

PUT

Endpoint URL

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

Resource

/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

Parameter Name	Data Type	Mandatory
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

```
{
  "data": {
    "id": "string",
    "lineAction": "string",
    "lineActionMode": "string",
    "lineNumber": "string",
    "orderDate": "2016-07-31T05:17:59.009Z",
    "orderRef": "string",
    "planItemAction": "string",
    "planItemId": "string",
    "sid": 0,
    "stringComments": [
      "string"
    ]
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Delete the Order of an Item

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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

```
{
  "data": {
    "id": "string",
    "lineAction": "string",
    "lineActionMode": "string",
    "lineNumber": "string",
    "orderDate": "2016-07-31T05:17:59.013Z",
    "orderRef": "string",
    "planItemAction": "string",
    "planItemId": "string",
    "sid": 0,
    "stringComments": [
      "string"
    ]
  },
}
```

```

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

```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Add a Lock to a Item

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

HTTP Method

POST

Endpoint URL

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

Resource

/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	No
priority		No
timeout		No

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

```
{
  "data": {
    "createdBy": "string",
    "createdOn": "2016-07-31T05:17:58.984Z",
    "current": true,
    "key": "string",
    "priority": 0,
    "timeout": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View all the Locks on an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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": [
    {
      "createdBy": "string",
      "createdOn": "2016-08-01T17:33:36.395Z",
      "current": true,
      "key": "string",
      "priority": 0,
      "timeout": 0
    }
  ],
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

View the Lock of an Item

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

HTTP Method

GET

Endpoint URL

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

Resource

/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

```
{
  "data": {
    "createdBy": "string",
    "createdOn": "2016-08-01T17:33:36.406Z",
    "current": true,
    "key": "string",
    "priority": 0,
    "timeout": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found

Delete all Locks of an Item

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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
}
```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Delete the Lock of an Item

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

HTTP Method

DELETE

Endpoint URL

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

Resource

/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
}
```

Response Codes and Descriptions

Response Code	Description
204	No Content
401	Unauthorized
403	Forbidden

Search Services

These REST services show how to implement the Search functionality on Fulfillment Subscriber inventory.

The list of search services are 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 REST interface:

HTTP Method

POST

Endpoint URL

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

Resource

/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
}
```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

Search for an Item

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

HTTP Method

POST

Endpoint URL

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

Resource

/itemsearch

Request Parameters

Provide values for the following parameters:

Parameter Name	Data Type	Mandatory
nbInstances		No

Parameter Name	Data Type	Mandatory
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
}
```

Response Codes and Descriptions

Response Code	Description
201	Created
401	Unauthorized
403	Forbidden
404	Not Found

View the Saved Queries

Use the following details to view the saved Queries using REST interface:

HTTP Method

GET

Endpoint URL

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

Resource

/user/{id}/query

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": {
    "matches": [
      {
        "entityType": "string",
        "favorite": true,
        "id": "string",
        "query": "string",
        "queryType": "string",
        "sid": 0,
        "updatedAt": "2016-08-01T17:33:36.506Z",
        "userSid": 0
      }
    ],
    "nbResponses": 0,
    "startIndex": 0
  },
  "duration": 0,
  "result": {
    "code": "string",
    "message": "string",
    "params": [
      "string"
    ]
  },
  "startTimestampMS": 0
}
```

Response Codes and Descriptions

Response Code	Description
401	Unauthorized
403	Forbidden
404	Not Found