



Informatica[®] Test Data Management
10.5

REST API Reference

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Publication Date: 2021-03-17

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Preface

Refer to the Informatica *Test Data Management REST API Reference* to learn how to use the Test Data Management REST APIs to automate specific tasks related to Test Data Manager, the test data warehouse, and the self-service portal.

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CHAPTER 1

TDM REST API Overview

You can use the Test Data Management REST API to perform Test Data Manager, test data warehouse, and self-service portal tasks.

You can use the following types of HTTP methods:

Method	Description
GET	Use the GET method to retrieve information as identified by the Uniform Resource Identifier (URI) request. GET methods use a request header, body with optional query filters. Responses include a response header and a response body.
POST	Use the POST method to run jobs. POST methods use a request header and a request body. Responses include a response header and a response body.
PATCH	Use the PATCH method to add, update, remove, or make partial updates to an existing resource.
DELETE	Use the DELETE method to delete a resource identified in the request URL.

Note: You cannot use Test Data Management REST APIs in a Kerberos environment.

You can use the Test Data Management REST API to perform the following tasks in Test Data Management:

Projects

You can search for projects. You can assign and unassign rules on ports and export and import data domain assignments. You can import metadata from a Test Data Manager connection or a PowerCenter repository folder.

Connections

You can create, delete, or import a connection into Test Data Manager. You can view a list of connections. You can view schema and sources in a connection.

Plans

You can search for plans based on projects and plan IDs.

Test Data Manager Jobs

You can search for jobs based on job ID and generate and run jobs. You can create and run workflows.

You can use the test data warehouse REST API to perform the following test data warehouse tasks:

Test data warehouse Jobs

You can run data set reset and restore jobs and view the status and information of jobs based on job IDs.

Data sets

You can view a list of all data sets and all versions of a data set.

You can use the self-service portal REST API to perform the following tasks in the self-service portal:

Data packs

You can view a list of all data packs. You can also export the data in a data pack as a CSV file.

Self-service portal Jobs

You can search for and view the status of jobs and run jobs to reset and restore a data pack.

Logging In

To access the TDM REST API Swagger page, enter the host name and port number of the TDM server in a web browser.

To log in, enter a valid TDM user name and password.

1. In the address bar of a web browser, enter the URL in the following format:

```
http(s)://<host name>:<port number>/api
```

Where:

- <host name> is the host name or IP address of the machine where you installed TDM.
- <port number> is the port number. The default is 6643 if Transport Layer Security is enabled. The default is 6605 if Transport Layer Security is not enabled.

2. Select the required scheme from the list of schemes.

3. Click Authorize to open the Authorization window.

TDM REST API uses Basic Auth for authorization. Basic authentication is a simple authentication scheme built into the HTTP protocol. The client sends HTTP requests with the Authorization header that contains the word Basic followed by a space and a base64-encoded string *username:password*.

4. Enter a user name in the following format:

```
<Security domain>/<user name>
```

Where:

- <Security domain> is the name of the security domain to which the user belongs.
- <user name> is the domain user name.

For example, `Native/user1`

5. Enter the password and click **Authorize**.

Every REST API call must contain the authentication information in the Authorization header. The information is validated and then the API call is processed. If the information is not valid, it generates an error. Based on the client you use, the authorization information might be added to Authorization headers by default or you might need to add it to the header of each request.

Request Configuration

The configuration of a REST API request depends on the method that the API uses and the task that it performs.

A REST API request that uses the GET, PATCH, POST, or DELETE methods includes a request header. Based on the task it performs, it might include a request body, path parameters, and query parameters.

Request URL

A request URL consists of an HTTP method, a base URL, and a resource URI. The request header also includes parameters such as the content type and authorization information.

Use the following format to construct a request URL:

```
<HTTP method> http(s)://<host>:<port>/api/public/<resource URI>
```

The following example shows a URL for a request that returns a list of all projects:

```
GET http://<host name>:<port number>/api/public/tdm/v1/projects
```

Request Body

A request body includes required and optional parameters for the request.

Not all requests require a body. If you include a body in the request, set the *accept* header to `application/json`. The TDM REST API accepts a request body in the JSON data format.

The following example shows a request body in the JSON data format. You enter the following parameters in a request body to run a job to reset a data set:

```
{
  "targetConnectionName": "string",
  "targetConnectionSchemaName": "string",
  "stagingConnectionName": "string",
  "datasetVersionId": "string",
  "integrationServiceName": "string",
  "localCode": "string",
  "stopOnError": 0,
  "insertInMasterTables": false,
  "enableHighPrecision": false,
  "manualDisableConstraint": false,
  "commitType": "Source",
  "enableRecovery": false,
  "enableSpecialCharactersInMetadata": false,
  "targetLoadType": "Normal",
  "constraintsDisable": false,
  "triggersDisable": false,
  "indexesDisable": false,
  "upsertInTransactionalTable": false,
  "truncateTargetTable": false
}
```

Error Object

When a request fails, the server returns an HTTP error and a REST API error object.

The following response body is an example of an error that you receive if you try to search for a project that does not exist:

```
{
  "status": 404,
  "code": 66,
  "link": "",
  "message": "[PROJECT_0001] The project name is not valid. The project name cannot be empty."
}
```

- Status indicates the HTTP status code.
- Code indicates the developer error code number.
- Link indicates the link to information on the developer error codes.
- Message contains the error message.

CHAPTER 2

Test Data Manager

You can use the TDM REST API to perform Test Data Manager tasks.

You can use the following REST APIs to perform Test Data Manager tasks:

Method	REST API	Description
GET	Projects	Returns a list of projects.
GET	Plans	Returns a list of plans in a project.
GET	Plans/{planId}	Returns information on a specific plan.
GET	Columns	Returns all columns in a project.
GET	Rules	Returns a list of all policies, masking rules, generation rules, preferred generation rules, and additional rules in a project.
GET	jobs/{jobId}	Returns information on a specific job.
GET	Connections	Returns a list of connections.
GET	datadomains	Exports data domain assignment information in a CSV file.
GET	schemas	Lists all schemas for a connection.
GET	sources	Lists all sources for a schema.
GET	pcrepo/folders	Lists all folders in the associated PowerCenter repository.
GET	pcrepo/sources	Lists all sources in a folder in the associated PowerCenter repository.
GET	template/connection	Returns a template of properties required to create a specific type of connection.
GET	encryptedstring	Returns the encrypted value of a string.
PATCH	datadomains	Imports data domain assignment information from a CSV file.
PATCH	Imports	Imports TDM objects from an XML file.
DELETE	Ruleassignments	Deletes a masking rule assignment to a column.
DELETE	advanceruleassignments	Deletes an advanced masking rule assignment to a column.

Method	REST API	Description
DELETE	Connections/{connectionId}	Deletes a connection.
POST	Connections	Creates a connection.
POST	ruleassignments	Assigns a masking rule to a column.
POST	advanceruleassignments	Assigns an advanced masking rule to a column.
POST	Jobs	Generates or runs a workflow.
POST	metadata/connection	Imports metadata from a Test Data Manager connection into a project in Test Data Manager.
POST	metadata/pcrepo	Imports metadata from a PowerCenter repository folder into a project in Test Data Manager.

Projects

The projects request lists all projects. If you include query parameters in the request, it returns projects that match the query parameters.

Resource URL

/tdm/v1/projects

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/projects
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
name	Name of the project.
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort based on project ID in descending order enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/projects?name=sk_doctest_api
```

Sample Response

```
[
  {
    "id": 1,
    "name": "sk_doctest_api",
    "description": null,
    "createdByName": "Administrator",
    "creationDate": 1540793633747,
    "lastUpdatedDate": 1540793633747,
    "lastUpdatedByName": "Administrator",
    "status": "NEW",
    "folderName": "sk_doctest_api",
    "repositoryName": "PCREPO",
    "owner": "Administrator",
    "ownerNamespace": "Native"
  }
]
```

Plans

The plans request lists all plans in a project. If you include query parameters in the request, it returns plans that match the query parameters.

Resource URL

```
/tdm/v1/projects/{projectID}/plans
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/projects/<project ID>/plans
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
projectId	Required. ID of the project that contains the plans.

Request Query Parameters

The request includes the following query parameters:

Parameter	Description
name	Name of the plan.
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort based on plan IDs in descending order, enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/projects/2/plans?name=TEST_123
```

Sample Response

```
[
  {
    "id": 2,
    "name": "TEST_123",
    "description": null,
    "createdByName": "Administrator",
    "creationDate": 1540976328110,
    "lastUpdatedDate": 1540976328110,
    "lastUpdatedByName": "Administrator",
    "statusType": "LOAD_SUCCESSFUL"
  }
]
```

Plans/{planId}

The plans/{planId} request returns information on plans that match a specific plan ID.

Resource URL

/tdm/v1/projects/{projectId}/plans/{planId}

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/projects/<project ID>/plans/<Plan ID>
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameters:

Parameter	Description
project Id	Required. ID of the project that contains the plans.
planId	Required. ID of the plan.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/projects/1/plans/3
```

Sample Response

```
{
  "id": 3,
  "name": "REL_DIC",
  "description": null,
  "createdByName": "Administrator",
  "creationDate": 1540983078847,
  "lastUpdatedDate": 1540983078847,
  "lastUpdatedByName": "Administrator",
  "statusType": "LOAD_SUCCESSFUL"
}
```


Columns

The columns request lists all columns in a project. If you include query parameters in the request, it returns columns that match the query parameters.

Resource URL

/tdm/v1/projects/{projectId}/columns

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/projects/<project ID>/columns
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
projectId	Required. ID of the project that contains the plans.

Request Query Parameters

The request includes the following query parameters:

Parameter	Description
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort based on IDs in descending order enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/projects/1/columns
```

Sample Response

```
[  
  {
```

```

"ds_name": "SRC_01_1543238865208",
"source": "ADHOCRULE",
"owner": "CITDG",
"name": "AADHOCDICTIONUM",
"version": 0,
"id": 10,
"data_type": "number",
"sensitive": false,
"data_domain": "",
"restricted": false,
"constraint_keys": null,
"readonly": false,
"policy": null,
"rule": null,
"rule_id": 0,
"details": null,
"override": null,
"assignment_id": null
},
{
"ds_name": "SRC_01_1543238865208",
"source": "ADHOCRULE",
"owner": "CITDG",
"name": "ADHOCDICTIONDATE",
"version": 0,
"id": 11,
"data_type": "date",
"sensitive": false,
"data_domain": "",
"restricted": false,
"constraint_keys": null,
"readonly": false,
"policy": null,
"rule": null,
"rule_id": 0,
"details": null,
"override": null,
"assignment_id": null
},
{
"ds_name": "SRC_01_1543238865208",
"source": "ADHOCRULE",
"owner": "CITDG",
"name": "ADHOCDICTIONLOOKUP",
"version": 0,
"id": 12,
"data_type": "number",
"sensitive": false,
"data_domain": "",
"restricted": false,
"constraint_keys": null,
"readonly": false,
"policy": null,
"rule": null,
"rule_id": 0,
"details": null,
"override": null,
"assignment_id": null
},
{
"ds_name": "SRC_01_1543238865208",
"source": "ADHOCRULE",
"owner": "CITDG",
"name": "ADHOCEXPRESDATE",
"version": 0,
"id": 16,
"data_type": "date",
"sensitive": false,
"data_domain": "",
"restricted": false,
"constraint_keys": null,

```

```

    "readonly": false,
    "policy": null,
    "rule": null,
    "rule_id": 0,
    "details": null,
    "override": null,
    "assignment_id": null
  },
  {
    "ds_name": "SRC_01_1543238865208",
    "source": "ADHOCRULE",
    "owner": "CITDG",
    "name": "ADHOCEXPRESNUM",
    "version": 0,
    "id": 15,
    "data_type": "number",
    "sensitive": false,
    "data_domain": "",
    "restricted": false,
    "constraint_keys": null,
    "readonly": false,
    "policy": null,
    "rule": null,
    "rule_id": 0,
    "details": null,
    "override": null,
    "assignment_id": null
  },
  {
    "ds_name": "SRC_01_1543238865208",
    "source": "ADHOCRULE",
    "owner": "CITDG",
    "name": "ADHOCEXPRESSTR",
    "version": 0,
    "id": 14,
    "data_type": "varchar2",
    "sensitive": false,
    "data_domain": "",
    "restricted": false,
    "constraint_keys": null,
    "readonly": false,
    "policy": null,
    "rule": null,
    "rule_id": 0,
    "details": null,
    "override": null,
    "assignment_id": null
  },
  {
    "ds_name": "SRC_01_1543238865208",
    "source": "ADHOCRULE",
    "owner": "CITDG",
    "name": "ADHOCRDATE",
    "version": 0,
    "id": 3,
    "data_type": "date",
    "sensitive": false,
    "data_domain": "",
    "restricted": false,
    "constraint_keys": null,
    "readonly": false,
    "policy": null,
    "rule": null,
    "rule_id": 0,
    "details": null,
    "override": null,
    "assignment_id": null
  },
  {
    "ds_name": "SRC_01_1543238865208",
    "source": "ADHOCRULE",

```

```

    "owner": "CITDG",
    "name": "ADHOCRNUM",
    "version": 0,
    "id": 1,
    "data_type": "number",
    "sensitive": false,
    "data_domain": "",
    "restricted": false,
    "constraint_keys": null,
    "readonly": false,
    "policy": null,
    "rule": null,
    "rule_id": 0,
    "details": null,
    "override": null,
    "assignment_id": null
  },
  {
    "ds_name": "SRC_01_1543238865208",
    "source": "ADHOCRULE",
    "owner": "CITDG",
    "name": "ADHOCRSTR",
    "version": 0,
    "id": 2,
    "data_type": "varchar2",
    "sensitive": false,
    "data_domain": "",
    "restricted": false,
    "constraint_keys": null,
    "readonly": false,
    "policy": null,
    "rule": null,
    "rule_id": 0,
    "details": null,
    "override": null,
    "assignment_id": null
  }
]

```

Rules

The rules request lists all policies, masking rules, generation rules, preferred generation rules, and additional rules, in a project.

Resource URL

```
/tdm/v1/projects/{projectId}/rules
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/projects/<project ID>/rules
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
projectId	Required. ID of the project that contains the rules.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/projects/5/rules
```

Sample Response

```
{
  "projPolicies": [
    {
      "id": 0,
      "version": 0,
      "name": "MASKINGPROJECT1543326669270 - CI_Entity_Policy",
      "description": null,
      "assign_status": "STARTED",
      "project_object_type": "policy"
    },
    {
      "id": 0,
      "version": 0,
      "name": "MASKINGPROJECT1543326669270 - CI_TestPolicyForUpdateRuleAssignment",
      "description": null,
      "assign_status": "STARTED",
      "project_object_type": "policy"
    },
    {
      "id": 0,
      "version": 0,
      "name": "MASKINGPROJECT1543326669270 - custom_Policy",
      "description": null,
      "assign_status": "STARTED",
      "project_object_type": "policy"
    }
  ],
  "projRules": [
    {
      "id": 73,
      "version": 0,
      "name": "CreditCard1543327375165",
      "description": null,
      "overrideAble": false,
      "active": true,
      "type": "prule",
      "instruction": null,
      "domains": null,
    }
  ]
}
```

```

    "projects": null,
    "masking_type": "CREDITCARD",
    "data_type": "String",
    "created_by": 2,
    "creation_date": 1543327375166,
    "creation_date_str": "11/27/2018 07:32:55 PM",
    "last_updated_by": 2,
    "last_updated_date": 1543327375166,
    "last_updated_date_str": "11/27/2018 07:32:55 PM",
    "associated_data_domains": null,
    "masking_mapplet": null,
    "rule_parameters": null,
    "rule_ports": null,
    "associated_rule_port": null,
    "rule_assignments": null,
    "rule_assignment_groups": null,
    "param_map": {},
    "rule_type": "STANDARD"
  },
  "prefGenRules": [],
  "additional_rules": [
    {
      "id": 171,
      "version": 0,
      "name": "NumericShuffle1",
      "description": "Standard",
      "overrideAble": false,
      "active": true,
      "type": "rule",
      "instruction": null,
      "domains": null,
      "projects": null,
      "masking_type": "SHUFFLE",
      "data_type": "Numeric",
      "created_by": 2,
      "creation_date": 1543328205391,
      "creation_date_str": "11/27/2018 07:46:45 PM",
      "last_updated_by": 2,
      "last_updated_date": 1543328205391,
      "last_updated_date_str": "11/27/2018 07:46:45 PM",
      "associated_data_domains": null,
      "masking_mapplet": null,
      "rule_parameters": null,
      "rule_ports": null,
      "associated_rule_port": null,
      "rule_assignments": null,
      "rule_assignment_groups": null,
      "param_map": {},
      "rule_type": "STANDARD"
    },
    {
      "id": 95,
      "version": 2,
      "name": "Rul_DOB",
      "description": null,
      "overrideAble": false,
      "active": true,
      "type": "rule",
      "instruction": null,
      "domains": null,
      "projects": null,
      "masking_type": "RANDOM",
      "data_type": "Date",
      "created_by": 2,
      "creation_date": 1543328201727,
      "creation_date_str": "11/27/2018 07:46:41 PM",
      "last_updated_by": 2,
      "last_updated_date": 1543328344064,
    }
  ]
}

```

```

    "last_updated_date_str": "11/27/2018 07:49:04 PM",
    "associated_data_domains": null,
    "masking_mapplet": null,
    "rule_parameters": null,
    "rule_ports": null,
    "associated_rule_port": null,
    "rule_assignments": null,
    "rule_assignment_groups": null,
    "param_map": {},
    "rule_type": "STANDARD"
  },
  {
    "id": 81,
    "version": 0,
    "name": "RUL_EXP_MASKING_KEY",
    "description": null,
    "overrideAble": false,
    "active": true,
    "type": "rule",
    "instruction": null,
    "domains": null,
    "projects": null,
    "masking_type": "KEY",
    "data_type": "String",
    "created_by": 2,
    "creation_date": 1543327567255,
    "creation_date_str": "11/27/2018 07:36:07 PM",
    "last_updated_by": 2,
    "last_updated_date": 1543327567255,
    "last_updated_date_str": "11/27/2018 07:36:07 PM",
    "associated_data_domains": null,
    "masking_mapplet": null,
    "rule_parameters": null,
    "rule_ports": null,
    "associated_rule_port": null,
    "rule_assignments": null,
    "rule_assignment_groups": null,
    "param_map": {},
    "rule_type": "STANDARD"
  },
  {
    "id": 60,
    "version": 0,
    "name": "Rul_Rlational_file1543326731964",
    "description": null,
    "overrideAble": false,
    "active": true,
    "type": "rule",
    "instruction": null,
    "domains": null,
    "projects": null,
    "masking_type": "KEY",
    "data_type": "String",
    "created_by": 2,
    "creation_date": 1543326731995,
    "creation_date_str": "11/27/2018 07:22:11 PM",
    "last_updated_by": 2,
    "last_updated_date": 1543326731995,
    "last_updated_date_str": "11/27/2018 07:22:11 PM",
    "associated_data_domains": null,
    "masking_mapplet": null,
    "rule_parameters": null,
    "rule_ports": null,
    "associated_rule_port": null,
    "rule_assignments": null,
    "rule_assignment_groups": null,
    "param_map": {},
    "rule_type": "STANDARD"
  },
  {
    "id": 76,

```

```

"version": 0,
"name": "RUL_Value_Cascade11543327433270",
"description": "For CI Test",
"overrideAble": false,
"active": true,
"type": "rule",
"instruction": null,
"domains": null,
"projects": null,
"masking_type": "KEY",
"data_type": "String",
"created_by": 2,
"creation_date": 1543327433271,
"creation_date_str": "11/27/2018 07:33:53 PM",
"last_updated_by": 2,
"last_updated_date": 1543327433271,
"last_updated_date_str": "11/27/2018 07:33:53 PM",
"associated_data_domains": null,
"masking_mapplet": null,
"rule_parameters": null,
"rule_ports": null,
"associated_rule_port": null,
"rule_assignments": null,
"rule_assignment_groups": null,
"param_map": {},
"rule_type": "STANDARD"
},
{
  "id": 89,
  "version": 0,
  "name": "RUL_Value_Cascade21543327936616",
  "description": "For CI Test",
  "overrideAble": false,
  "active": true,
  "type": "rule",
  "instruction": null,
  "domains": null,
  "projects": null,
  "masking_type": "KEY",
  "data_type": "String",
  "created_by": 2,
  "creation_date": 1543327936617,
  "creation_date_str": "11/27/2018 07:42:16 PM",
  "last_updated_by": 2,
  "last_updated_date": 1543327936617,
  "last_updated_date_str": "11/27/2018 07:42:16 PM",
  "associated_data_domains": null,
  "masking_mapplet": null,
  "rule_parameters": null,
  "rule_ports": null,
  "associated_rule_port": null,
  "rule_assignments": null,
  "rule_assignment_groups": null,
  "param_map": {},
  "rule_type": "STANDARD"
},
{
  "id": 97,
  "version": 2,
  "name": "Rul_ZIP",
  "description": null,
  "overrideAble": false,
  "active": true,
  "type": "rule",
  "instruction": null,
  "domains": null,
  "projects": null,
  "masking_type": "SHUFFLE",
  "data_type": "String",
  "created_by": 2,
  "creation_date": 1543328201900,

```



```

"creation_date_str": "11/27/2018 07:46:41 PM",
"last_updated_by": 2,
"last_updated_date": 1543328343898,
"last_updated_date_str": "11/27/2018 07:49:03 PM",
"associated_data_domains": null,
"masking_mapplet": null,
"rule_parameters": null,
"rule_ports": null,
"associated_rule_port": null,
"rule_assignments": null,
"rule_assignment_groups": null,
"param_map": {},
"rule_type": "STANDARD"
},
{
  "id": 90,
  "version": 0,
  "name": "SSN1543328058947",
  "description": null,
  "overrideAble": false,
  "active": true,
  "type": "rule",
  "instruction": null,
  "domains": null,
  "projects": null,
  "masking_type": "SSN",
  "data_type": "String",
  "created_by": 2,
  "creation_date": 1543328058948,
  "creation_date_str": "11/27/2018 07:44:18 PM",
  "last_updated_by": 2,
  "last_updated_date": 1543328058948,
  "last_updated_date_str": "11/27/2018 07:44:18 PM",
  "associated_data_domains": null,
  "masking_mapplet": null,
  "rule_parameters": null,
  "rule_ports": null,
  "associated_rule_port": null,
  "rule_assignments": null,
  "rule_assignment_groups": null,
  "param_map": {},
  "rule_type": "STANDARD"
},
{
  "id": 119,
  "version": 0,
  "name": "StringCreditCard2",
  "description": "Standard",
  "overrideAble": true,
  "active": true,
  "type": "rule",
  "instruction": null,
  "domains": null,
  "projects": null,
  "masking_type": "CREDITCARD",
  "data_type": "String",
  "created_by": 2,
  "creation_date": 1543328202678,
  "creation_date_str": "11/27/2018 07:46:42 PM",
  "last_updated_by": 2,
  "last_updated_date": 1543328202678,
  "last_updated_date_str": "11/27/2018 07:46:42 PM",
  "associated_data_domains": null,
  "masking_mapplet": null,
  "rule_parameters": null,
  "rule_ports": null,
  "associated_rule_port": null,
  "rule_assignments": null,
  "rule_assignment_groups": null,
  "param_map": {},
  "rule_type": "STANDARD"
}

```

```

    },
    {
      "id": 134,
      "version": 0,
      "name": "StringIPAddress",
      "description": "Standard",
      "overrideAble": true,
      "active": true,
      "type": "rule",
      "instruction": null,
      "domains": null,
      "projects": null,
      "masking_type": "IPADDRESS",
      "data_type": "String",
      "created_by": 2,
      "creation_date": 1543328203466,
      "creation_date_str": "11/27/2018 07:46:43 PM",
      "last_updated_by": 2,
      "last_updated_date": 1543328203466,
      "last_updated_date_str": "11/27/2018 07:46:43 PM",
      "associated_data_domains": null,
      "masking_mapplet": null,
      "rule_parameters": null,
      "rule_ports": null,
      "associated_rule_port": null,
      "rule_assignments": null,
      "rule_assignment_groups": null,
      "param_map": {},
      "rule_type": "STANDARD"
    },
    {
      "id": 157,
      "version": 0,
      "name": "StringKey1",
      "description": "Standard",
      "overrideAble": true,
      "active": true,
      "type": "rule",
      "instruction": null,
      "domains": null,
      "projects": null,
      "masking_type": "KEY",
      "data_type": "String",
      "created_by": 2,
      "creation_date": 1543328204358,
      "creation_date_str": "11/27/2018 07:46:44 PM",
      "last_updated_by": 2,
      "last_updated_date": 1543328204358,
      "last_updated_date_str": "11/27/2018 07:46:44 PM",
      "associated_data_domains": null,
      "masking_mapplet": null,
      "rule_parameters": null,
      "rule_ports": null,
      "associated_rule_port": null,
      "rule_assignments": null,
      "rule_assignment_groups": null,
      "param_map": {},
      "rule_type": "STANDARD"
    },
    {
      "id": 169,
      "version": 0,
      "name": "StringPhone1",
      "description": "Standard",
      "overrideAble": true,
      "active": true,
      "type": "rule",
      "instruction": null,
      "domains": null,
      "projects": null,
      "masking_type": "PHONE",

```

```

    "data_type": "String",
    "created_by": 2,
    "creation_date": 1543328205273,
    "creation_date_str": "11/27/2018 07:46:45 PM",
    "last_updated_by": 2,
    "last_updated_date": 1543328205273,
    "last_updated_date_str": "11/27/2018 07:46:45 PM",
    "associated_data_domains": null,
    "masking_mapplet": null,
    "rule_parameters": null,
    "rule_ports": null,
    "associated_rule_port": null,
    "rule_assignments": null,
    "rule_assignment_groups": null,
    "param_map": {},
    "rule_type": "STANDARD"
  },
  {
    "id": 92,
    "version": 0,
    "name": "SubsInvalidSSN1543328060232",
    "description": null,
    "overrideAble": false,
    "active": true,
    "type": "rule",
    "instruction": null,
    "domains": null,
    "projects": null,
    "masking_type": "SUBSTITUTION",
    "data_type": "String",
    "created_by": 2,
    "creation_date": 1543328060234,
    "creation_date_str": "11/27/2018 07:44:20 PM",
    "last_updated_by": 2,
    "last_updated_date": 1543328060234,
    "last_updated_date_str": "11/27/2018 07:44:20 PM",
    "associated_data_domains": null,
    "masking_mapplet": null,
    "rule_parameters": null,
    "rule_ports": null,
    "associated_rule_port": null,
    "rule_assignments": null,
    "rule_assignment_groups": null,
    "param_map": {},
    "rule_type": "STANDARD"
  }
],
"gen_rules": []
}

```

Jobs/{jobId}

The GET Jobs/{jobId} request returns information on jobs that match a specific job ID.

Resource URL

/tdm/v1/jobs/{jobId}

HTTP Request

GET http(s)://<host>:<port>/api/public/tdm/v1/jobs/<job ID>

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
jobId	Required. ID of the job.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/jobs/19
```

Sample Response

```
{
  "id": 19,
  "name": "Execute Workflow",
  "description": "Plan: REL_DIC, Workflow: ",
  "startDate": 1540983189063,
  "endDate": 1540983261197,
  "status": "SUCCESS",
  "jobType": "LOAD_WORKFLOW",
  "createdByName": "Administrator",
  "creationDate": 1540983161005,
  "lastUpdatedDate": 1540983161005,
  "lastUpdatedByName": "Administrator",
  "scheduleOn": 1540983161005,
  "pausedAtStep": 0,
  "percentComplete": 100,
  "jobActionType": null,
  "childJobId": -1
}
```

Jobs

The POST jobs request generates or runs a specific workflow.

Resource URL

```
/tdm/v1/jobs
```

HTTP Request

```
POST http(s)://<host>:<port>/api/public/tdm/v1/jobs
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>
Content-Type	Format to submit forms that can contain files. Use the following value: Multipart/form-data

Request Body

The request body includes the following properties as form data:

Property	Data Type	Description
type	String	Required. You can choose from the following options: <ul style="list-style-type: none">- Generate. Choose if you want to generate a workflow.- Execute. Choose if you want to run a workflow.
projectId	String	Required. ID of the project that contains the workflow.
planId	String	Required. ID of the plan for which you want to generate or run a workflow.
integrationServiceName	String	Name of the Integration Service to run the job.
scheduleOn	String	Date and time at which you want to schedule the job to run. Enter the time in milliseconds.
file	File	Select a parameter file.

Sample Request

```
POST http://<host>:6605/api/public/tdm/v1/jobs
```

Sample Response

```
{
  "id": 19,
  "name": "Execute Workflow",
  "description": "Plan: REL_DIC, Workflow: ",
  "startDate": 1540983189063,
  "endDate": 1540983261197,
  "status": "SUCCESS",
  "jobType": "LOAD_WORKFLOW",
  "createdByName": "Administrator",
  "creationDate": 1540983161005,
  "lastUpdatedDate": 1540983161005,
  "lastUpdatedByName": "Administrator",
  "scheduleOn": 1540983161005,
  "pausedAtStep": 0,
  "percentComplete": 100,
  "jobActionType": null,
}
```

```
    "childJobId": -1
  }
```

Encrypted String

The encryptedstring request returns the encrypted value of a string. It uses the site key for encryption. You can run the API to get the encrypted value of a database password.

Resource URL

```
/tdm/v1/utilities/encryptedstring
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/utilities/encryptedstring
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
input	String that you want to encrypt.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/utilities/encryptedstring?input=%22docuser%22
```

Sample Response

Raw result:

```
0kr1QNlKi7gnrgyE64mTLw==
```

POST Ruleassignments

The POST ruleassignments request assigns a masking rule to a column.

Resource URL

```
/tdm/v1/projects/{projectId}/columns/ruleassignments
```

HTTP Request

```
POST http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/columns/  
ruleassignments
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
projectId	ID of the project that contains the job.

Request Body

The request body includes the following property values:

Property	Data Type	Description
id	Integer	Existing rule assignment ID
port_id	Integer	Required. Column ID number
name	String	Column name
rule_id	Integer	Required. Rule ID number
policy	Integer	Policy ID number
params	String	Parameter

Sample Request

```
POST http://<host>:6605/api/public/tdm/v1/projects/5/columns/ruleassignments
```

Sample Request Body

```
{  
  "id": 1,  
  "port_id": 804,  
  "rule_id": 25  
}
```

Sample Response

```
{  
  "id": 1,  
  "name": "CUST_ID",  
}
```

```
"policy": 5,
"params": null,
"port_id": 804,
"rule_id": 25
}
```

DELETE Ruleassignments

The DELETE ruleassignments request deletes a masking rule assignment to a column.

Resource URL

/tdm/v1/projects/{projectId}/columns/ruleassignments

HTTP Request

```
DELETE http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/columns/
ruleassignments
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following parameter:

Parameter	Description
projectId	ID of the project that contains the job.

Request Body

The request body includes the following property values:

Property	Data Type	Description
id	Integer	Existing rule assignment ID
port_id	Integer	Required. Column ID number
name	String	Column name
rule_id	Integer	Required. Rule ID number

Property	Data Type	Description
policy	Integer	Policy ID number
params	String	Parameter

Sample Request

```
DELETE http://<host>:6605/api/public/tdm/v1/projects/5/columns/ruleassignments
```

Sample Request Body

```
{
  "id": 1,
  "port_id": 804,
  "rule_id": 25
}
```

Sample Response

```
content-length: 0
content-type: application/json
date: Thu, 29 Nov 2018 07:37:34 GMT
server: Informatica

successful operation
```

POST Advanceruleassignments

The POST `advanceruleassignments` request assigns an advanced masking rule to a column.

Resource URL

```
/tdm/v1/projects/{projectId}/columns/advanceruleassignments
```

HTTP Request

```
POST http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/columns/
advanceruleassignments
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
projectId	ID of the project that contains the job.

Request Body

The request body includes the following property values:

Property	Data Type	Description
id	Integer	Existing rule assignment ID.
name	String	Name of the advanced masking rule that you want to assign.
rule_id	Integer	Required. Rule ID number.
policy	Integer	Policy ID number. The policy must contain the rule you want to use. If you enter the policy name, you do not need to enter the rule ID.
join_condition	String	Required to perform expression cascade if you include columns from more than one source input tables.
input_map port id	Integer	Required. Column ID number of the source column.
input_map rule_port_id	Integer	Required. Rule port ID number of the input column that you want to mask.
output_map port id	Integer	Required. Column ID number of the target column.
output_map rule_port_id	Integer	Required. Rule port ID number of the output column.

Sample Request

```
POST http://<host>:6605/api/public/tdm/v1/projects/5/columns/advanceruleassignments
```

Sample Request Body

```
{
  "id": 0,
  "name": "Fk",
  "rule_id": 605,
  "policy": 0,
  "join_condition": "string",
  "input_map": [
    {
      "port_id": 3618,
      "rule_port_id": 409
    }
  ],
  "output_map": [
```

```

    {
      "port_id": 3618,
      "rule_port_id": 408
    }
  ]
}

```

Sample Response

```

{
  "id": 5,
  "name": null,
  "policy": 201,
  "rule_id": 604,
  "join_condition": "",
  "input_map": [
    {
      "port_id": 3618,
      "rule_port_id": 406
    }
  ],
  "output_map": [
    {
      "port_id": 3618,
      "rule_port_id": 407
    }
  ]
}

```

You can verify the rule assignment in Test Data Manager.

DELETE Advanceruleassignments

The DELETE advanceruleassignments request deletes an advanced masking rule assignment to a column.

Resource URL

/tdm/v1/projects/{projectId}/columns/advanceruleassignments

HTTP Request

```
DELETE http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/columns/advanceruleassignments
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following parameter:

Parameter	Description
projectId	ID of the project that contains the job.
ruleAssignmentId	ID of the advanced masking rule assignment.

Sample Request

```
DELETE http://<host>:6605/api/public/tdm/v1/projects/5/columns/advanceruleassignments
```

Sample Response

```
content-length: 0
content-type: application/json
date: Thu, 29 Nov 2018 07:37:34 GMT
server: Informatica
```

```
successful operation
```

You can verify that the rule assignment is deleted in Test Data Manager.

Imports

The PATCH imports request imports TDM objects from an XML file.

Resource URL

```
/tdm/v1/imports
```

HTTP Request

```
PATCH http(s)://<host>:<port>/api/public/tdm/v1/imports
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>
Content-Type	Format to submit forms that can contain files. Use the following value: Multipart/form-data

Request Body

The request body includes the following property as form data:

Property	Data Type	Description
file	File	Required. Select the XML file that contains the TDM objects.

Sample Request

```
PATCH http://<host>:6605/api/public/tdm/v1/imports
```

Sample Response

```
{  
  "success": true,  
  "message": "Import Completed"  
}
```

Connections

The connections request lists all connections. If you include query parameters in the request, it returns connections that match the query parameters.

Resource URL

```
/tdm/v1/connections
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/connections
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort based on ID in descending order enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/connections
```

Sample Response

```
[
  {
    "id": "U:PzIe93AEEemxVfrGQn7kDw",
    "name": "AutoTarget",
    "connection_type": "Relational",
    "db_type": "ODBC",
    "description": "",
    "connection_properties": [
      {
        "name": "code_page",
        "value": "UTF-8 encoding of Unicode",
        "comment": null
      },
      {
        "name": "owner_domain",
        "value": "Domain_INVR28ILM192",
        "comment": null
      },
      {
        "name": "password",
        "value": "*****",
        "comment": null
      },
      {
        "name": "owner_username",
        "value": "Administrator",
        "comment": null
      },
      {
        "name": "owner_namespace",
        "value": "Native",
        "comment": null
      },
      {
        "name": "support_mixed_case_identifiers",
        "value": "false",
        "comment": null
      },
      {
        "name": "odbc_provider",
        "value": "ms-sql-server",
        "comment": null
      }
    ]
  }
]
```

```

    {
      "name": "username",
      "value": "tdmadmin",
      "comment": null
    },
    {
      "name": "passthrough_security_enabled",
      "value": "false",
      "comment": null
    },
    {
      "name": "connection_retry_period",
      "value": "0",
      "comment": null
    },
    {
      "name": "connection_string",
      "value": "TDMTRG",
      "comment": null
    },
    {
      "name": "sql_identifier_character_to_use",
      "value": "4",
      "comment": null
    }
  ]
},
{
  "id": "U:yoWFNws0EemKJr_jtJSBjg",
  "name": "DB2ZOS_NATIVE_CONN",
  "connection_type": "Relational",
  "db_type": "DB2",
  "description": "",
  "connection_properties": [
    {
      "name": "custom_driver_name",
      "value": "com.ibm.db2.jcc.DB2Driver",
      "comment": null
    },
    {
      "name": "owner_domain",
      "value": "Domain_INVR28ILM192",
      "comment": null
    },
    {
      "name": "owner_username",
      "value": "Administrator",
      "comment": null
    },
    {
      "name": "jdbc_url",
      "value": "jdbc:db2://mhz890-2:5201/MHZ2DSNB",
      "comment": null
    },
    {
      "name": "conn_prop_native_db2",
      "value": "zOS",
      "comment": null
    },
    {
      "name": "use_kerberos_authentication",
      "value": "false",
      "comment": null
    },
    {
      "name": "connection_string",
      "value": "dbname",
      "comment": null
    },
    {
      "name": "code_page",

```

```

        "value": "UTF-8 encoding of Unicode",
        "comment": null
    },
    {
        "name": "password",
        "value": "*****",
        "comment": null
    },
    {
        "name": "owner_namespace",
        "value": "Native",
        "comment": null
    },
    {
        "name": "username",
        "value": "mercury",
        "comment": null
    },
    {
        "name": "passthrough_security_enabled",
        "value": "false",
        "comment": null
    },
    {
        "name": "connection_retry_period",
        "value": "0",
        "comment": null
    },
    {
        "name": "use_parameter_in_password",
        "value": "false",
        "comment": null
    }
}
],
},
{
    "id": "U:b8UpDWz1EemKJr_jtJSBjg",
    "name": "ORACLE18CTRG",
    "connection_type": "Relational",
    "db_type": "Oracle",
    "description": "",
    "connection_properties": [
        {
            "name": "parallel_mode",
            "value": "false",
            "comment": null
        },
        {
            "name": "owner_domain",
            "value": "Domain_INVR28ILM192",
            "comment": null
        },
        {
            "name": "owner_username",
            "value": "Administrator",
            "comment": null
        },
        {
            "name": "jdbc_url",
            "value": "jdbc:informatica:oracle://inkr73dsg443:1521;SID=ORA18C",
            "comment": null
        },
        {
            "name": "use_kerberos_authentication",
            "value": "false",
            "comment": null
        },
        {
            "name": "connection_string",
            "value": "ORA18C",

```



```

        "comment": null
    },
    {
        "name": "code_page",
        "value": "UTF-8 encoding of Unicode",
        "comment": null
    },
    {
        "name": "password",
        "value": "*****",
        "comment": null
    },
    {
        "name": "owner_namespace",
        "value": "Native",
        "comment": null
    },
    {
        "name": "username",
        "value": "AA_TDM_TRG",
        "comment": null
    },
    {
        "name": "passthrough_security_enabled",
        "value": "false",
        "comment": null
    },
    {
        "name": "connection_retry_period",
        "value": "0",
        "comment": null
    },
    {
        "name": "use_parameter_in_password",
        "value": "false",
        "comment": null
    }
}
],
},
{
    "id": "U:2Q7WZwzWEemKJr_jtJSBjg",
    "name": "PROFILING",
    "connection_type": "Relational",
    "db_type": "Oracle",
    "description": "",
    "connection_properties": [
        {
            "name": "code_page",
            "value": "UTF-8 encoding of Unicode",
            "comment": null
        },
        {
            "name": "owner_domain",
            "value": "Domain_INVR28ILM192",
            "comment": null
        },
        {
            "name": "password",
            "value": "*****",
            "comment": null
        },
        {
            "name": "owner_username",
            "value": "Administrator",
            "comment": null
        },
        {
            "name": "owner_namespace",
            "value": "Native",
            "comment": null
        }
    ]
}

```

```

    },
    {
      "name": "jdbc_url",
      "value": "jdbc:informatica:oracle://LOCALHOST:1521;SID=ORCL",
      "comment": null
    },
    {
      "name": "username",
      "value": "PROFILING",
      "comment": null
    },
    {
      "name": "connection_string",
      "value": "PROFILING",
      "comment": null
    }
  ]
}
]

```

Schemas

The schemas request lists all schemas for a connection. If you include query parameters in the request, it returns schemas that match the query parameters.

Resource URL

/tdm/v1/connections/{connectionId}/schemas

HTTP Request

GET http(s)://<host>:<port>/api/public/tdm/v1/connections/{connectionId}/schemas

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
connectionId	Required. ID of the connection that contains the schemas.

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort in descending order enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/connections/U:b2DtztUEem6p6T11-PTWQ/schemas
```

Sample Response

```
[  
  "CI",  
  "db_accessadmin",  
  "db_backupoperator",  
  "db_datareader",  
  "db_datawriter",  
  "db_ddladmin",  
  "db_denydatareader",  
  "db_denydatawriter",  
  "db_owner",  
  "db_securityadmin",  
  "dbo",  
  "guest",  
  "INFORMATION_SCHEMA",  
  "sys"  
]
```

Sources

The sources request lists all sources for a schema. If you include query parameters in the request, it returns sources that match the query parameters.

Resource URL

```
/tdm/v1/connections/{connectionId}/schemas/{schemaname}/sources
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/connections/{connectionId}/schemas/  
{schemaname}/sources
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
connectionId	Required. ID of the connection that contains the schema.
schemaName	Name of the schema that contains the sources

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort sources in descending order, enter the following: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/connections/U:b2DtzUtUEem6p6T1l-PTWQ/
schemas/dbo/sources
```

Sample Response

```
[
  {
    "name": "dbo",
    "sources": [
      {
        "name": "ALL_DATA_TYPES"
      },
      {
        "name": "ALL_TIMESTAMP_TYPES"
      },
      {
        "name": "ALLDATATYPE"
      }
    ]
  }
]
```

```

},
{
  "name": "DATETIMETABLE"
},
{
  "name": "IBIGINT"
},
{
  "name": "IBINARY"
},
{
  "name": "IBIT"
},
{
  "name": "ICHAR"
},
{
  "name": "IDATE"
},
{
  "name": "IDATETIME"
},
{
  "name": "IDATETIME2"
},
{
  "name": "IDATETIMEOFFSET"
},
{
  "name": "IDECIMAL"
},
{
  "name": "IDECIMAL38"
},
{
  "name": "IDECIMAL3838"
},
{
  "name": "IFLOAT"
},
{
  "name": "IGEOMETRY"
},
{
  "name": "IGEOGRAPHY"
},
{
  "name": "IGOMETRY"
},
{
  "name": "IHIERARCHYID"
},
{
  "name": "IIMAGE"
},
{
  "name": "IINTEGER"
},
{
  "name": "IMONEY"
},
{
  "name": "INCHAR"
},
{
  "name": "INTEXT"
},
{
  "name": "INUMERIC"
},
{
  "name": "INUMERIC38"
},
{

```

```

    "name": "INUMERIC3838"
  },
  {
    "name": "INVARCHAR"
  },
  {
    "name": "INVARCHARMAX"
  },
  {
    "name": "IPERCNT"
  },
  {
    "name": "IPERCNT_1"
  },
  {
    "name": "IPERCNT_2"
  },
  {
    "name": "IREAL"
  },
  {
    "name": "ISMALLDATETIME"
  },
  {
    "name": "ISMAILINT"
  },
  {
    "name": "ISMAILMONEY"
  },
  {
    "name": "ISQL_VARIANT"
  },
  {
    "name": "ITEXT"
  },
  {
    "name": "ITIME"
  },
  {
    "name": "ITIMESTAMP"
  },
  {
    "name": "ITINYINT"
  },
  {
    "name": "IUNIQUEIDENTIFIER"
  },
  {
    "name": "IVARBINARY"
  },
  {
    "name": "IVARBINARYMAX"
  },
  {
    "name": "IVARCHAR"
  },
  {
    "name": "IVARCHARMAX"
  },
  {
    "name": "IXML"
  },
  {
    "name": "PERF_TABLE_1"
  },
  {
    "name": "PERF_TABLE_2"
  },
  {
    "name": "PERF_TABLE_3"
  },
},

```

```

    {
      "name": "PERF_TABLE_4"
    },
    {
      "name": "TEMP"
    },
    {
      "name": "testdecimal"
    }
  ]
}
]

```

Pcrepo/folders

The folders request lists all folders in the associated PowerCenter repository. If you include query parameters in the request, it returns folders that match the query parameters.

Resource URL

/tdm/v1/pcrepo/folders

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/pcrepo/folders
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort based on ID in descending order, enter the following: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/pcrepo/folders
```

Sample Response

```
[
  {
    "name": "CI_TEST_FOLDER",
    "description": "CI_TEST_FOLDER"
  },
  {
    "name": "CopyDatapackFromDataset",
    "description": "CopyDatapackFromDataset"
  },
  {
    "name": "DataPackFromPlan",
    "description": "DataPackFromPlan"
  },
  {
    "name": "DELETE_TAB_PROJ1553119037002",
    "description": "DELETE_TAB_PROJ1553119037002"
  },
  {
    "name": "MASKINGPROJECT1553116142036",
    "description": "MASKINGPROJECT1553116142036"
  },
  {
    "name": "ProfilingProject1553116287444",
    "description": "ProfilingProject1553116287444"
  },
  {
    "name": "ProjectCopy",
    "description": "ProjectCopy"
  },
  {
    "name": "ProjectForPlanExportImport1553118045891",
    "description": "ProjectForPlanExportImport1553118045891"
  },
  {
    "name": "QWERTY",
    "description": "QWERTY"
  },
  {
    "name": "RESET Version1",
    "description": "RESET Version1"
  },
  {
    "name": "RESET Version2",
    "description": "RESET Version2"
  },
  {
    "name": "RWX_PERMISSIONS_PROJECT1553116163461",
    "description": "RWX_PERMISSIONS_PROJECT1553116163461"
  },
  {
    "name": "SRC_TGT_Name_Project",
    "description": "SRC_TGT_Name_Project"
  },
  {
    "name": "subDatapackFromDataset",
    "description": "subDatapackFromDataset"
  },
  {
    "name": "SUBSETPROJECT1553116121828",
    "description": "SUBSETPROJECT1553116121828"
  },
  {
    "name": "TDG_PRO_1553117384001",
    "description": "TDG_PRO_1553117384001"
  },
],
```



```

{
  "name": "TDGPROJECT1553116101816",
  "description": "TDGPROJECT1553116101816"
},
{
  "name": "TDWPROJECT1553116131885",
  "description": "TDWPROJECT1553116131885"
},
{
  "name": "zOS_Proj",
  "description": "zOS_Proj"
},
{
  "name": "zOS_SRC",
  "description": "zOS_SRC"
}
]

```

Pcrepo/sources

The sources request lists all sources in the folder in the associated PowerCenter repository. If you include query parameters in the request, it returns sources that match the query parameters.

Resource URL

/tdm/v1/pcrepo/folders/{foldername}/sources

HTTP Request

GET http(s)://<host>:<port>/api/public/tdm/v1/pcrepo/folders/{foldername}/sources

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
folderName	Required. Name of the folder in the PowerCenter repository that contains the sources.

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort in descending order enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/pcrepo/folders/CI_TEST_FOLDER/sources
```

Sample Response

```
[
  {
    "name": "pcilm90_ora10g",
    "sources": [
      {
        "name": "TICKET_SAVE"
      },
      {
        "name": "CUSTOMER"
      },
      {
        "name": "ADDRESS"
      },
      {
        "name": "ILM_3_2_REDF"
      },
      {
        "name": "ILM_4_2"
      },
      {
        "name": "STATEMENT_LINE"
      },
      {
        "name": "AIRPORTS"
      },
      {
        "name": "ILM_4_2_REDF"
      },
      {
        "name": "LOYALTY_PERIODS"
      },
      {
        "name": "AQUA_EXPLAIN_101615"
      },
      {
        "name": "TICKET_COUPON_SAVE"
      },
      {
        "name": "ILM_1_2_REDF"
      },
      {
        "name": "TICKET_COUPON"
      }
    ]
  }
],
```

```

    {
      "name": "CUSTS_WITH_INCOMPLETE_COUPONS"
    },
    {
      "name": "ILM_3_2"
    },
    {
      "name": "TICKET"
    },
    {
      "name": "ILM_1_2"
    },
    {
      "name": "STATEMENT_LINE_SAVE"
    }
  ]
},
{
  "name": "FlatFile",
  "sources": [
    {
      "name": "EMPLOYEEBANKDETAILS"
    },
    {
      "name": "Marketingoffer"
    },
    {
      "name": "FLAT_DIC_MOREREC"
    },
    {
      "name": "Merchant"
    },
    {
      "name": "DEPARTMENT"
    },
    {
      "name": "DEPARTMENTDETAILS"
    },
    {
      "name": "EMPLOYEE"
    }
  ]
},
{
  "name": "Oracle",
  "sources": [
    {
      "name": "DEPT"
    },
    {
      "name": "EMP"
    }
  ]
},
{
  "name": "CI_TESERT",
  "sources": [
    {
      "name": "VIEW_TAB_ALL_COMP"
    }
  ]
}
]

```

Connection Template

The `utilities/template/connection` request returns a template of properties that you enter to create a specific type of connection.

Resource URL

`/tdm/v1/utilities/template/connection`

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/utilities/connection
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
db_type	Required. The database type. Select the required database from the list.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/utilities/template/connection?db_type=Oracle
```

Sample Response

```
{
  "id": null,
  "name": "TemplateOracle",
  "connection_type": null,
  "db_type": "Oracle",
  "description": null,
  "connection_properties": [
    {
      "name": "parallel_mode",
      "value": "false",
      "comment": "optional"
    },
    {
      "name": "code_page",
      "value": "7-bit ASCII",
      "comment": "optional"
    },
    {
      "name": "password",
      "value": "",
      "comment": "mandatory"
    }
  ]
}
```

```

        "name": "connection_environment_sql",
        "value": null,
        "comment": "optional"
    },
    {
        "name": "username",
        "value": "",
        "comment": "mandatory"
    },
    {
        "name": "jdbc_url",
        "value": "jdbc:informatica:oracle://<hostname>:1521;SID=<sid>",
        "comment": "mandatory"
    },
    {
        "name": "use_kerberos_authentication",
        "value": "false",
        "comment": "optional"
    },
    {
        "name": "passthrough_security_enabled",
        "value": "false",
        "comment": "optional"
    },
    {
        "name": "connection_string",
        "value": "dbname.world",
        "comment": "mandatory"
    },
    {
        "name": "transaction_environment_sql",
        "value": null,
        "comment": "optional"
    },
    {
        "name": "connection_retry_period",
        "value": "0",
        "comment": "optional"
    },
    {
        "name": "use_parameter_in_password",
        "value": "false",
        "comment": "optional"
    }
}
]
}

```

Create Connection

The POST connections request creates a connection in Test Data Management.

Resource URL

/tdm/v1/connections

HTTP Request

POST http(s)://<host>:<port>/api/public/tdm/v1/connections

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Body

The properties that you include in a request body differ based on the type of connection you want to create.

To create the request body, perform the following steps:

1. Run the `utilities/template/connection` API.
2. Select the type of connection that you want to create from the `db_type` list.
3. Download the response file or copy the properties that appear in the response body. The file is a template of properties that you need to enter to create the type of connection.
4. Enter the values for the connection that you want to create.
5. Enter the properties to the request body of the `/tdm/v1/connections` API.
6. Run the POST `/tdm/v1/connections` API to create the connection.

Sample Request

```
POST http://<host>:6605/api/public/tdm/v1/connections
```

Sample Request Body

The following code is an example of a request body to create an Oracle connection:

```
{
  "id": null,
  "name": "Oracle_Connection1",
  "connection_type": null,
  "db_type": "Oracle",
  "description": null,
  "connection_properties": [
    {
      "name": "parallel_mode",
      "value": "false",
      "comment": "optional"
    },
    {
      "name": "code_page",
      "value": "7-bit ASCII",
      "comment": "optional"
    },
    {
      "name": "password",
      "value": "tiger",
      "comment": "mandatory"
    },
    {
      "name": "connection_environment_sql",
      "value": null,
      "comment": "optional"
    }
  ]
}
```

```

        "name": "username",
        "value": "scott",
        "comment": "mandatory"
    },
    {
        "name": "jdbc_url",
        "value": "jdbc:informatica:oracle://localhost:1521;SID=orallg",
        "comment": "mandatory"
    },
    {
        "name": "passthrough_security_enabled",
        "value": "false",
        "comment": "optional"
    },
    {
        "name": "use_kerberos_authentication",
        "value": "false",
        "comment": "optional"
    },
    {
        "name": "connection_string",
        "value": "orcl",
        "comment": "mandatory"
    },
    {
        "name": "connection_retry_period",
        "value": "0",
        "comment": "optional"
    },
    {
        "name": "transaction_environment_sql",
        "value": null,
        "comment": "optional"
    },
    {
        "name": "use_parameter_in_password",
        "value": "false",
        "comment": "optional"
    }
}
]
}

```

Sample Response

```

{
  "id": "U:Nk_7i1T2EemkGmGSivLASA",
  "name": "Oracle_Connection1",
  "connection_type": "Relational",
  "db_type": "Oracle",
  "description": null,
  "connection_properties": [
    {
      "name": "parallel_mode",
      "value": "false",
      "comment": null
    },
    {
      "name": "owner_domain",
      "value": "Domain",
      "comment": null
    },
    {
      "name": "owner_username",
      "value": "Administrator",
      "comment": null
    },
    {
      "name": "connection_environment_sql",
      "value": "",
      "comment": null
    }
  ]
}

```

```

    {
      "name": "jdbc_url",
      "value": "jdbc:informatica:oracle://localhost:1521;SID=orallg",
      "comment": null
    },
    {
      "name": "use_kerberos_authentication",
      "value": "false",
      "comment": null
    },
    {
      "name": "connection_string",
      "value": "orcl",
      "comment": null
    },
    {
      "name": "code_page",
      "value": "7-bit ASCII",
      "comment": null
    },
    {
      "name": "password",
      "value": "tiger",
      "comment": null
    },
    {
      "name": "owner_namespace",
      "value": "Native",
      "comment": null
    },
    {
      "name": "username",
      "value": "scott",
      "comment": null
    },
    {
      "name": "passthrough_security_enabled",
      "value": "false",
      "comment": null
    },
    {
      "name": "connection_retry_period",
      "value": "0",
      "comment": null
    },
    {
      "name": "transaction_environment_sql",
      "value": "",
      "comment": null
    },
    {
      "name": "use_parameter_in_password",
      "value": "false",
      "comment": null
    }
  ]
}

```

Delete Connection

The DELETE connections request deletes a connection.

Resource URL

/tdm/v1/connections/{connectionId}

HTTP Request

```
DELETE http(s)://<host>:<port>/api/public/tdm/v1/connections/{connectionId}
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following parameter:

Parameter	Description
connectionId	ID of the connection that you want to delete.

Sample Request

```
DELETE http://<host>:6605/api/public/tdm/v1/connections/U%3ANTsmzkr2Eem_wCooUicAAg
```

Sample Response

```
{  
  "success": true,  
  "message": "Connection SKCopy_AutoTarget deleted"  
}
```

PATCH Datadomains

The PATCH datadomains request imports data domain assignment information from a CSV file.

Resource URL

```
/tdm/v1/projects/{projectId}/columns/datadomains
```

HTTP Request

```
PATCH http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/columns/datadomains
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>
Content-Type	Format to submit forms that can contain files. Use the following value: Multipart/form-data

Request Path Parameters

The request includes the following property as form data:

Parameter	Description
projectId	Required. ID of the project to which you want to import the data domain assignment file.

Request Body

The request body includes the following property as multipart/form-data:

Property	Data Type	Description
file	File	Required. Select the CSV file that contains the data domain assignment information.

Sample Request

```
PATCH http://<host>:6605/api/public/tdm/v1/projects/{projectId}/columns
```

Sample Response

```
{
  "success": true,
  "message": "Skipped resource is/are 0"
}
```

GET Datadomains

The GET datadomains request exports data domain assignment information in a CSV file.

Resource URL

```
/tdm/v1/projects/{projectId}/columns/datadomains
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/columns/datadomains?
exportType=CSV
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request path includes the following parameter:

Parameter	Description
projectId	Required. ID of the project that contains the plans.

Request Query Parameters

The request includes the following query parameter:

Parameter	Description
exportType	Required. Select the format of the data domain assignment file. You can select CSV.

Sample Request

```
GET http://<host>:6605/api/public/tdm/v1/projects/{projectId}/columnsdatadomains?
exportType=csv
```

Sample Response Header

```
content-disposition: attachment; filename =DatadomainAssignments_181114141145.csv
content-type: application/octet-stream
date: Wed, 14 Nov 2018 08:41:45 GMT
server: Informatica
transfer-encoding: chunked
```

The response body contains a link to download the file.

Metadata/Connection

The POST metadata/connection request imports metadata from a connection into a project in Test Data Manager.

Resource URL

```
/tdm/v1/projects/{projectId}/metadata/connection
```

HTTP Request

POST http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/metadata/connection

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Body

The request body includes the following properties as form data:

Property	Data Type	Description
projectId	Integer	ID of the project into which you want to import the metadata.
datasources	String	For each connection from which you want to import metadata, enter the following details: <ul style="list-style-type: none">- connectionId. String. ID of the TDM connection from which you want to import metadata.- name. String. Schema name.- sources. For each source that you want to import enter the following:<ul style="list-style-type: none">- name. String. Name of the table.
schedule	Boolean	Default is 0 and runs the job immediately.

Sample Request

POST http://<host>:6605/api/public/tdm/v1/projects/201/metadata/connection

Sample Request Body

```
{
  "connectionId": "U:R2VMLk5yEembepb_DyGynw",
  "datasources": [
    {
      "name": "LOYALTY",
      "sources": [
        {
          "name": "ADDRESS"
        }
      ]
    }
  ],
  "schedule": 0
}
```

Sample Response

```
{
  "id": 201,
  "name": "Import from Source",
  "description": "Connection: SRC_OM1553458834135",
}
```

```

    "status": "In Queue",
    "start_date": 0,
    "end_date": 0,
    "job_type": "Import from Source",
    "created_by_name": null,
    "creation_date": 1553493620962,
    "creation_date_str": "03/25/2019 11:30:20 AM",
    "last_updated_date": 1553493620962,
    "last_updated_date_str": "03/25/2019 11:30:20 AM",
    "last_updated_by_name": null,
    "schedule_on": 0,
    "paused_at_step": 0,
    "percent_complete": 0,
    "job_action_type": null,
    "child_job_id": -1
  }

```

You can view the imported metadata in Test Data Manager.

Metadata/pcrepo

The POST metadata/pcrepo request imports metadata from a folder in the PowerCenter repository into a project in Test Data Manager.

Resource URL

/tdm/v1/projects/{projectId}/metadata/pcrepo

HTTP Request

POST http(s)://<host>:<port>/api/public/tdm/v1/projects/{projectId}/metadata/pcrepo

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Body

The request body includes the following properties as form data:

Property	Data Type	Description
projectId	Integer	ID of the project into which you want to import the metadata.
datasources	String	Enter the following details: <ul style="list-style-type: none">- folderName. String. Name of the folder in the PowerCenter repository from which you want to import metadata.- name. String. Schema name.- sources. For each source that you want to import enter the following property:<ul style="list-style-type: none">- name. String. Name of the table.
schedule	Boolean	Default is 0 and runs the job immediately.

Sample Request

```
POST http://<host>:6605/api/public/tdm/v1/projects/201/metadata/pcrepo
```

Sample Request Body

```
{
  "folderName": "CI_TEST_FOLDER",
  "datasources": [
    {
      "name": "FlatFile",
      "sources": [
        {
          "name": "EMPLOYEEBANKDETAILS"
        }
      ]
    }
  ],
  "schedule": 0
}
```

Sample Response

```
{
  "id": 202,
  "name": "Import from PC",
  "description": "Folder: CI_TEST_FOLDER",
  "status": "In Queue",
  "start_date": 0,
  "end_date": 0,
  "job_type": "Import from PC",
  "created_by_name": null,
  "creation_date": 1553503994089,
  "creation_date_str": "03/25/2019 02:23:14 PM",
  "last_updated_date": 1553503994089,
  "last_updated_date_str": "03/25/2019 02:23:14 PM",
  "last_updated_by_name": null,
  "schedule_on": 0,
  "paused_at_step": 0,
  "percent_complete": 0,
  "job_action_type": null,
  "child_job_id": -1
}
```

You can view the imported metadata in Test Data Manager.

CHAPTER 3

Test Data Warehouse

You can use the TDW REST API to perform test data warehouse tasks.

You can use the following REST APIs to perform test data warehouse tasks:

Method	REST API	Description
GET	datasetversions	Returns information on tables in a data set.
GET	JobId	Returns information on a specific job.
POST	Jobs	Performs a reset of a data set.

Data Set Versions

The datasetversions request lists information on all versions of a data set. If you include query parameters in the request, it returns information that matches the query parameters.

Resource URL

/tdw/v1/datasetversions

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdw/v1/datasetversions
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Query Parameters

The request includes the following optional query parameters:

Parameter	Description
name	Name of the data set version. If you include a specific version of a data set, the response includes information on the specific data set version.
datasetName	Name of the data set. If you include the name of a data set, the response includes information on all versions of the data set.
filter	Filters based on criteria.
sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort data sets based on ID in descending order enter: id:desc
start	The start index of the list.
size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/tdw/v1/datasetversions?name=CopyDatapackFromDataset%20Version1
```

Sample Response

```
[
  {
    "id": "0ca3b8d5-d8bc-4e81-9e0e-2a34cf16ce6e",
    "name": "CopyDatapackFromDataset Version1",
    "martId": "717b6c6c-cf35-4113-be9a-3739f68b88b9",
    "datasetName": "CopyDatapackFromDataset",
    "tables": [
      {
        "id": "cb8bc060-b64f-4197-9a7f-cd8b251cb132",
        "sourceTableName": "REF_ORDER_ITEM_STATUS_CODES_11",
        "sourceOwnerName": "LOYALTY"
      },
      {
        "id": "e6d5b9fc-9210-4d9d-9199-29a413d17b6b",
        "sourceTableName": "ORDERS_11",
        "sourceOwnerName": "LOYALTY"
      },
      {
        "id": "111362c9-7ce3-44a0-9741-0a96caf33064",
        "sourceTableName": "PRODUCTS_11",
        "sourceOwnerName": "LOYALTY"
      },
      {
        "id": "c70be577-aa2b-4c22-8770-71b41a9030e4",
        "sourceTableName": "SHIPMENT_ITEMS_11",
        "sourceOwnerName": "LOYALTY"
      },
      {
        "id": "2a31d501-0b3d-4f1c-a7ea-d765248e133d",
        "sourceTableName": "ORDERDETAILS_11",
        "sourceOwnerName": "LOYALTY"
      },
      {
        "id": "e8a30a18-72b9-4999-8c0f-56de7c67d96a",
        "sourceTableName": "INVOICES_11",

```



```

        "sourceOwnerName": "LOYALTY"
    },
    {
        "id": "20ec3421-3729-462d-8994-47b23ef826f3",
        "sourceTableName": "REF_ORDER_STATUS_CODES_11",
        "sourceOwnerName": "LOYALTY"
    },
    {
        "id": "b34c012c-f05b-46e8-ad5f-2524cb4fa70a",
        "sourceTableName": "SHIPMENTS_11",
        "sourceOwnerName": "LOYALTY"
    },
    {
        "id": "47d144a1-57e4-48a1-89d8-ab631f66f54d",
        "sourceTableName": "CUSTOMERS_11",
        "sourceOwnerName": "LOYALTY"
    },
    {
        "id": "f62e079a-c5c0-4448-b095-dc86edf645e2",
        "sourceTableName": "REF_INVOICE_STATUS_CODES_11",
        "sourceOwnerName": "LOYALTY"
    },
    {
        "id": "076ca778-ec0e-4f1e-a417-131f8ff3773c",
        "sourceTableName": "PAYMENTS_11",
        "sourceOwnerName": "LOYALTY"
    }
}
],
"datasetVersionNumber": 1,
"associatedPlanName": null,
"applicationName": "ChangeDesc",
"applicationVersion": "1",
"isExecuted": 0,
"sourceConnDatabaseType": "Relational",
"isLocked": 0,
"createdDomainName": "Domain",
"createdUserName": "PCUSER1",
"createdNamespace": "Native",
"creationDate": 1541968987206,
"executionDate": 1541969018580,
"lastRestoreDate": 0,
"connectionName": "SRC_OT1541965408237",
"projectName": null,
"jobId": "179"
}
]

```

Jobs

The jobs request performs a reset of a specific data set.

Resource URL

/tdw/v1/jobs

HTTP Request

POST http(s)://<host>:<port>/api/public/tdw/v1/jobs

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Body

The request body includes the following property values:

Property	Data Type	Description
target_connection_name	String	Required. Connection to use as the target for the reset.
target_connection_schema_name	String	Schema in the target connection.
staging_connection_name	String	Required. Name of the staging connection to use in the reset task.
truncate_target_table	Boolean	Truncates the table before loading it. Default is false.
disable_triggers	Boolean	Disables DML triggers on the target database before loading the data to the target and enables the triggers after the data loads. Default is false.
disable_indexes	Boolean	Disables indexes for faster loading. Default is false.
dataset_version_id	String	Required. ID of the data set that you want to reset.
integration_service_name	String	Required. The name of the Integration Service to run the task.
locale_code	String	Sets the locale.
upsert_in_transactional_table	Boolean	Performs an upsert on transactional tables instead of an insert. Default is false.
stop_on_error	Integer	Indicates how many non fatal errors the Integration Service encounters before it stops the session. If you enter zero, the session does not stop for non fatal errors. Default is zero.
enable_high_precision	Boolean	Processes the decimal data type to a precision of 28. Default is false.
manual_disable_constraint	Boolean	Disable the constraints manually during the reset. Default is false.
enable_recovery	Boolean	Enables the reset recovery options. Default is false.

Property	Data Type	Description
enable_special_characters_in_metadata	Boolean	Enables the support for special characters in metadata. Default is false.
target_load_type	String	The target load type. You can choose Normal or Bulk. If you choose Normal, the PowerCenter Integration Service loads targets normally. Choose Normal mode if the mapping contains an Update Strategy transformation. Choose Bulk to improve session performance. Bulk load limits the ability to recover because no database logging occurs. Default is Normal.
max_parallel_sessions	Integer	The maximum number of sessions that can run at the same time. Applicable if you disable indexes and constraints in the target.
max_tables_per_mapping	Integer	Sets the number of tables to process in a workflow. Default is 10.
schedule_on	Integer	Date and time at which you want to schedule the job to run. Enter the time in milliseconds.
skip_constraints_validation	String	Skips constraint validation when enabling constraints.
backup_recovery_prefix	String	A prefix for the backup schema. TDM creates a backup schema in the format prefix_tablename.
backup_recovery_user_name	String	The name of the schema where you want to store the backup tables.
target_prefix_name	String	The name prefix of the target table. Specify the target schema name if the target is in a different schema.

Sample Request

```
http://<host>:6605/api/public/tdw/v1/jobs
```

Sample Request Body

```
{
  "target_connection_name": "SRC_OT1543865636189",
  "staging_connection_name": "TDM_CONNECTION",
  "dataset_version_id": "5b24e361-8825-440c-a73b-b7307f533f6f",
  "integration_service_name": "PIS"
}
```

Sample Response

```
{
  "id": 236,
  "name": "Reset Data Set from Test Data Warehouse",
  "description": "Reset - Entity Version1 - from Test Data Warehouse - OracleMart",
  "status": "In Queue",
  "start_date": 0,
  "end_date": 0,
  "job_type": "Reset Data Set from Test Data Warehouse",
  "created_by_name": null,
  "creation_date": 1543897440502,
  "creation_date_str": "12/04/2018 09:54:00 AM",
}
```

```

    "last_updated_date": 1543897440502,
    "last_updated_date_str": "12/04/2018 09:54:00 AM",
    "last_updated_by_name": null,
    "schedule_on": 0,
    "paused_at_step": 0,
    "percent_complete": 0,
    "job_action_type": null,
    "child_job_id": -1
  }

```

Jobs/{jobId}

The Jobs/{jobId} request returns information on jobs that match a specific job ID.

Resource URL

/tdw/v1/jobs/{jobId}

HTTP Request

```
GET http(s)://<host>:<port>/api/public/tdw/v1/jobs/<job ID>
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
Job ID	ID of the job.

Sample Request

```
GET http://<host>:6605/api/public/tdw/v1/jobs/180
```

Sample Response

```

{
  "id": 180,
  "name": "Reset Data Set from Test Data Warehouse",
  "description": "Reset - RESET Version2 - from Test Data Warehouse - OracleMart",
  "status": "Succeeded",
  "start_date": 1543869236270,
  "end_date": 1543869279900,
  "job_type": "Reset Data Set from Test Data Warehouse",
  "created_by_name": "Administrator",
  "creation_date": 1543869223878,
  "creation_date_str": "12/04/2018 02:03:43 AM",
}

```

```
"last_updated_date": 1543869223878,  
"last_updated_date_str": "12/04/2018 02:03:43 AM",  
"last_updated_by_name": "Administrator",  
"schedule_on": 1543869223856,  
"paused_at_step": 0,  
"percent_complete": 100,  
"job_action_type": null,  
"child_job_id": -1  
}
```

CHAPTER 4

Self-Service Portal

You can use the SSP REST API to perform self-service portal tasks.

You can use the following REST APIs to perform self-service portal tasks:

Method	REST API	Description
GET	datapacks	Returns a list of data packs.
GET	datapackId	Returns table data from a specific data pack. You can download the data in a ZIP file.
GET	JobId	Returns information on a specific job.
POST	Jobs	Performs a deploy or reset of a data pack.

Data Packs

The datapacks request lists all data packs. If you include query parameters in the request, it returns data packs that match the query parameters.

Resource URL

/ssp/v1/datapacks

HTTP Request

```
GET http(s)://<host>:<port>/api/public/ssp/v1/datapacks
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Query Parameters

The request includes the following parameters:

Parameter	Description
Filter	Filters based on criteria.
Sort	Sorts based on criteria. You can enter more than one field name as criteria. By default, sorts in ascending order of criteria. For example, to sort based on ID in descending order enter: id:desc
Start	The start index of the list.
Size	The number of records that you want to return.

Sample Request

```
GET http://<host>:6605/api/public/ssp/v1/datapacks
```

Sample Response

```
[
  {
    "id": "1a2351ea-3e0d-488b-ac38-f6734e91f66a",
    "name": "DataPackFromPlan",
    "refObjectType": "DatasetVersion",
    "refObjectId": "9cd8baeb-f08a-4150-8da2-b1cc91fc0a4b"
  },
  {
    "id": "98346892-a0c4-4c3c-b4b8-e03f68c0ec81",
    "name": "subDatapackFromDataset",
    "refObjectType": "DatasetVersion",
    "refObjectId": "7d189a61-984b-4f10-b795-cb6877852e66"
  },
  {
    "id": "fa2d1ddf-cddc-41f4-b136-473d9232a773",
    "name": "DatapackFromDataset",
    "refObjectType": "DatasetVersion",
    "refObjectId": "467a4795-0fd1-4a3e-b783-0e7636a63925"
  }
]
```

Datapacks/{datapackId}

The datapacks/{datapackId} request returns table data from a specific data pack. The response includes a file that you can download to view the data in a data pack.

Resource URL

```
/ssp/v1/datapacks/{dataPackID}
```

HTTP Request

```
GET http(s)://<host>:<port>/api/public/ssp/v1/datapacks/{dataPackID}
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
dataPackId	ID of the data pack.

Request Query Parameters

The request includes the following parameter:

Parameter	Description
exportType	Select the file type to export data pack details. You can choose CSV. If you do not choose an option, the API exports data pack details in JSON format.

Sample Request

```
http://<host>:6605/api/public/ssp/v1/datapacks/bfc399d0-0ca7-4a59-8093-ddcbf45eba43?  
exportType=CSV
```

Sample Response Header

```
content-disposition: attachment; filename = subDatapackFromDataset.zip  
content-length: 4166  
content-type: application/zip  
date: Tue, 04 Dec 2018 05:13:14 GMT  
server: Informatica
```

The response body contains a link to download the file.

Jobs

The jobs request performs a deploy or a reset or restore of a specific data pack.

Resource URL

```
/ssp/v1/jobs
```

HTTP Request

```
POST http(s)://<host>:<port>/api/public/ssp/v1/jobs
```


Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Body

The request body includes the following property values:

Property	Data Type	Description
data_pack_name	String	Required. Name of the data pack.
job_type	String	Required. You can choose from: <ul style="list-style-type: none">- Deploy. Creates the workflows required to perform reset and restore.- Reset. Runs the workflow to reset a data pack to a target connection.- Restore. Runs the workflow to restore a data pack to a target connection.
target_connection_name	String	Required. Connection to use as the target for the job.
target_connection_schemaname	String	Schema in the target connection.
target_jdbc_connection	String	The connection that contains the JDBC connection string of the ODBC target database. Required to disable and enable constraints in the plan. Required if the target connection type is ODBC.
reset_criteria	String	Enter reset criteria if you want to reset specific data from a data pack. Enter row-level tags as reset criteria.
integration_service_name	String	Required. The name of the Integration Service to run the task.
schedule_on	Integer	Date and time at which you want to schedule the job to run. Enter the time in milliseconds.

Sample Request

```
http://<host>:6605/api/public/ssp/v1/jobs
```

Sample Request Body

```
{  
  "data_pack_name": "DataPackFromPlan",  
  "job_type": "Deploy",  
  "target_connection_name": "SRC_OT1543865636189"  
}
```

Sample Response

```
{
  "id": 244,
  "name": "Generate Workflow",
  "description": "Creates a workflow to reset data pack: DataPackFromPlan",
  "status": "In Queue",
  "start_date": 0,
  "end_date": 0,
  "job_type": "Generate Workflow",
  "created_by_name": null,
  "creation_date": 1543903617179,
  "creation_date_str": "12/04/2018 11:36:57 AM",
  "last_updated_date": 1543903617179,
  "last_updated_date_str": "12/04/2018 11:36:57 AM",
  "last_updated_by_name": null,
  "schedule_on": 0,
  "paused_at_step": 0,
  "percent_complete": 0,
  "job_action_type": null,
  "child_job_id": -1
}
```

Jobs/{jobid}

The jobs/{jobid} request returns information on jobs that match a specific job ID.

Resource URL

/ssp/v1/jobs/{jobId}

HTTP Request

```
GET http(s)://<host>:<port>/api/public/ssp/v1/jobs/<job ID>
```

Request Header

The request header includes the following headers:

Header	Description
accept	Use the following value: application/json
Authorization	Required. Use the following value: Basic <user name>

Request Path Parameters

The request includes the following path parameter:

Parameter	Description
jobid	Required. ID of the job.

Sample Request

```
GET http://<host>:6605/api/public/ssp/v1/jobs/241
```

Sample Response

```
{
  "id": 241,
  "name": "Generate Workflow",
  "description": "Creates a workflow to reset data pack: subDatapackFromDataset. This workflow is used in reset tasks that you configure to truncate tables.",
  "status": "Succeeded",
  "start_date": 1543900451115,
  "end_date": 1543900480218,
  "job_type": "Generate Workflow",
  "created_by_name": "Administrator",
  "creation_date": 1543900429203,
  "creation_date_str": "12/04/2018 10:43:49 AM",
  "last_updated_date": 1543900429203,
  "last_updated_date_str": "12/04/2018 10:43:49 AM",
  "last_updated_by_name": "Administrator",
  "schedule_on": 1543900429170,
  "paused_at_step": 0,
  "percent_complete": 100,
  "job action type": null,
  "child_job_id": -1
}
```