

EDM APIs For Facility Golden Records- Setup for test environment

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About the API

EDM has rolled out a “Single Source of truth” for Facility master data, and it is now available for use. This Single Source of Truth – also known as a “Golden Record” – has established consistent Facility names, addresses, finance numbers and other related Facility data elements. This was achieved through collaboration with multiple system owners in determining the authoritative source for each data element, and it is intended to provide business systems with higher confidence and a standardized corporate perspective with respect to Facility data.

Similarly, the EDM team is planning the development of Golden Records for the Customer, Asset, and Product data domains as well.

How to consume the Facility data thru an API for golden records?

EDM developed an API for the consumers who want to access the facility golden records.

1. The Facility data API is available in 2 formats:
 - a. JSON
 - b. XML.
2. The URL can be called using Curl command line tool/utility or via any interface that can consume a Rest web service.
3. Due to high data volumes, web service calls that do not filter the data should not be accessed via a web browser.

Prerequisite

1. A user should be available in the Informatica EDM DQ tool
 - a. A Request in the EAccess for service account by the source application
 - b. Service Account should be mapped to a USER Group
([NAT_EDQ_API_FACILITY](#)) in DQ
 - c. The service user should be in the LDAP group.



Prerequisites for Using EDM APIs

- > A method for making API GET requests such as cURL(a command line utility) is installed and running
- > A DEVSUB system test account should be requested in eAccess with user group 'NAT_EDQ_API_FACILITY' for accessing the API call. Please see the slide #4 for how to request a DEVSUB service account.
- > Call the API URL using VIP URL
- > If there is a network issue, please contact the EDM team for resolution



Examples on How to request access the EDM API?



Steps

- Login to a Linux box via putty or similar.
- Run the cURL command as below: (Examples)

API URL for the **DEV Environment**

To view Full EDM extract:

API call using JSON format

Curl -x proxy.usps.gov:8080

["https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?"](https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?) -v -u
DEVSUB/username:password

API call using XML Format

Curl -x proxy.usps.gov:8080

["https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_XML/get_DQ_L_MDM_GOLD_REC_XML/?"](https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_XML/get_DQ_L_MDM_GOLD_REC_XML/?) -v -u
DEVSUB/username:password

With Filters- You may test with filters before the full extract because of the large file size.

curl -x proxy.usps.gov:8080

["https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?filterCondition=FDB='1438410'"](https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?filterCondition=FDB='1438410') -v -u DEVSUB/username:password

Save/Output the file to your local Linux box

Examples below:

- curl -v -k -x proxy.usps.gov:8080 --anyauth
"https://edqdev.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?filterCondition=FDB_ID=' 1438410' " -u apitest:apitest > apitest.out 2> apitest.log

How to request a DEVSUB Service test account for API

eACCESS for Devsub service account

[Home](#) [My Access](#) [My History](#) [My Accounts](#) [Help](#) [User Guides](#) [Log Off](#)

Search for an Application for yourself

[Click here to request access for another person](#)

☒ Application ☐ Database Resource ☐ Unix
☐ Distribution List ☐ Special Request ☐ Test Application *

Enter the application name:

Search Results

ACE Engineering (DEVSUB)	EIR
DEVSUB - Security Group Membership	EIR
DEVSUB Virtual Desktop	EIR

Request Setup Information

(Required information when submitting a request.)

Options displayed will depend upon System chosen

Action* [?](#)

Enter the DEVSUB Group Name or enter multiple group names separated by a comma*

Dependent Request Setup Information

Options displayed will depend upon Request Setup Info selected

Enter the test account name or enter multiple test account names separated by a comma*

Request Related Processing Instructions

Date needed (mm/dd/yyyy) [Clear Date](#)

Is this request associated with a detail assignment?
☒ No ☐ Yes

Submitted To Manager

Request service account with EDM_API_XXX, where xxx is your EIR Acronym ex: SV for surface visibility

