

EDM APIs For Facility Golden Records- User Guide For Production Setup.

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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 system service account should be requested in eAccess with user group 'NAT_EDQ_API_FACILITY' for accessing the API call. Please see the slide #6 for how to request a service account.
- > Call the API URL using VIP URL
- > If there is a network issue, please contact the EDM team for resolution





Steps

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

To view Full EDM extract: [API URL for the Production Environment](#)

API Call using JSON Format

Curl -x proxy.usps.gov:8080

["https://edq.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?"](https://edq.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?) -v -u

USA/username:password

API Call using XML Format

Curl -x proxy.usps.gov:8080 ["https://edq.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_XML/get_DQ_L_MDM_GOLD_REC_XML/?"](https://edq.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_XML/get_DQ_L_MDM_GOLD_REC_XML/?)

-v -u USA/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://edq.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?filterCondition=FDB_ID='1438410'"](https://edq.usps.gov/DataIntegrationService/RestService/REST_get_DQ_L_MDM_GOLD_REC_JSON/get_DQ_L_MDM_GOLD_REC_JSON/?filterCondition=FDB_ID='1438410') -v -u USA/username:password

Please see slide#5 for more filters.

Save/Output the file to your local Linux box

Examples below:

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

Filter parameters

You may use any of the below **filterCondition=** to filter your API call for the GET Request. Below are few examples.

Facility data object input data	?filterCondition=	Data Type/description	Precisi on	Scal e
Facility ID (FDB)	FDB_ID	String <ul style="list-style-type: none"> The primary key to the FDB database, used to uniquely identify each facility record 	7	0
Facility NASS Code	NASS_CD	String <ul style="list-style-type: none"> The designation representing a node on the transportation network 	18	0
Locale Key (AMS)	LOCALE_KEY	String <ul style="list-style-type: none"> The primary key to the AMS database, use to uniquely identify each locale record 	6	0
Facility Physical Address	FACILITY_PHYS_ADDR_TXT	String <ul style="list-style-type: none"> Street Address of Facility/Property. 	200	0
Facility Physical Address	FACILITY_PHYS_ADDR_LINE1_TXT	String <ul style="list-style-type: none"> Street Address of Facility/Property. 	50	0
Facility Physical Address	FACILITY_PHYS_ADDR_LINE2_TXT	String <ul style="list-style-type: none"> Street Address of 	50	0

Status code of the facility status.	FACILITY_STATUS_CD	String <ul style="list-style-type: none"> Represents the Status of the Facility. A for Active, S for Suspended 	2	0
Facility status description	FACILITY_STATUS_DESC	String <ul style="list-style-type: none"> Facility status description 	50	0
Federal Standard Requisitioning and Issue Procedures(FEDS TRIP)	FACILITY_FEDSTRIP_ID	String <ul style="list-style-type: none"> 	6	0
Facility Finance Number	FACILITY_FINANCE_NUM	String <p>The finance number associated with a facility. The finance number can be associated to more than one facility.</p>	6	0
Facility Finance unit Number	FACILITY_UNIT_NUM	String <p>The unit number is 4 digits numeric value associated to a 6 digit Finance number. Finance number Plus Unit number make up the 10 digit UnitFinanceNumber that is associated to a facility.</p>	4	0

eACCESS for service account for API Access

A manager can request account by using eAccess and following steps below:

From eAccess -> Quick Links -> Special Accounts -> Request Service Account -> Windows Domain Service Account -USA

Step1



Home > Request Access Menu > Service Special Accounts

Below is a listing of the types of service special accounts available for request. To request an account, click the link to

Request Service Special Accounts

What are Service Accounts?

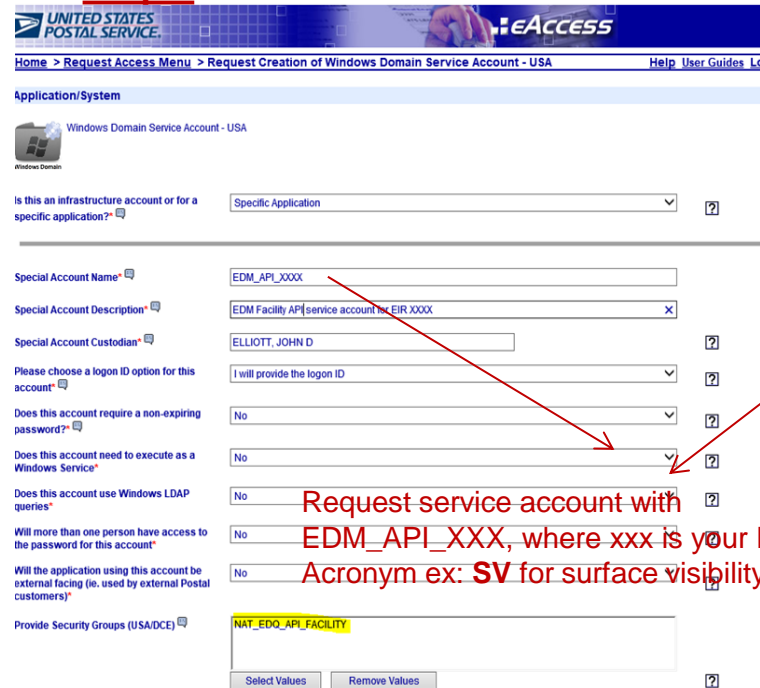
Service accounts are used by one information system to access another information system, most often to facilitate some type of interface between the two systems. Because one of the systems has to log on to the other system, a logon ID is required. Service accounts are tightly controlled because the logon ID may be used to inappropriately access or modify information on the target system if they are compromised.

NOTE: Windows Domain Service Accounts can only be requested by users with the Manager role.

Type of Service Accounts

- Application Layer Service Account
- DB2 Database Service Account
- IDMS Database Service Account
- MS SQL Database Service Account
- Mainframe Service Account
- Oracle Database Service Account
- Teradata Database Service Account
- UDS Service Account
- Windows Domain Service Account - DEVSUB
- Windows Domain Service Account - RED Domain
- Windows Domain Service Account - USA**
- Windows Domain Service Account - USPIS
- Windows Domain Service Account - USPISD
- Windows Domain Service Account - WTENC
- Windows Local Server Service Account

Step 2



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

Step 3

Ident Request Setup Information

Displayed will depend upon Request Setup Info selected

Application*

Logon ID to be used for the

ve name of the host computer, then click 'Select Values' button.
at to add another host computer name.
r only one computer name at a time.
ot enter more than 15 characters.
ot add spaces.
ot add commas.

request will be denied if the instructions above are not followed.

ne(s) of host computer(s)

To PCES Manager

ving Manager for this Request

ADYANI (103520) - WASHINGTON, DC

ere to Change the PCES Manager

Manager has been populated based on your profile

