

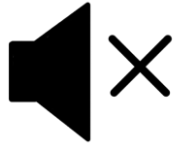
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Enterprise Data Catalog – REST API Use Case Solutions

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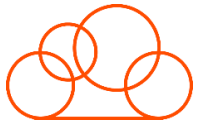


Housekeeping Tips



- Today's Webinar is scheduled for **1 hour**
- The session will include a webcast and then your questions will be answered live at the end of the presentation
- All dial-in participants will be muted to enable the speakers to present without interruption
- Questions can be submitted to "All Panelists" via the **Q&A option** and we will respond at the end of the presentation
- The webinar is **being recorded** and will be available on our **INFASupport YouTube channel** and **Success Portal** - where you can download the **slide deck** for the presentation. The link to the recording will be emailed as well.
- Please take time to complete the **post-webinar survey** and provide your feedback and suggestions for upcoming topics.

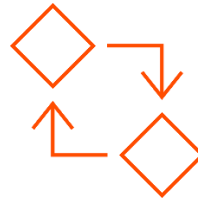
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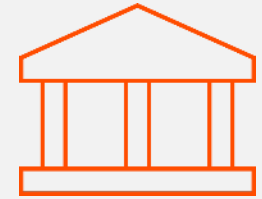
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Agenda

Overview of Swagger APIs

Use cases and solutions

Demo

Q&A

Overview of Swagger APIs

Swagger APIs

`https://<HOST>:<PORT>/access/swagger-ui.html#/`

The screenshot shows the Swagger UI interface. At the top, there is a green header with the Swagger logo and a dropdown menu labeled "Select a spec" with "default" selected. Below the header, the main title is "Catalog Administrator REST Documentation." with a "Version 10.5.1" badge. Underneath, there is a base URL: "[Base URL: inedclab0101.informatica.com:9085/access]" and a link to the API docs: "https://inedclab0101.informatica.com:9085/access/v2/api-docs". A paragraph follows: "This document contains the details of all the APIs that are exposed to user. Please find additional documentation [here](#)." Below that is a copyright notice: "© Copyright Informatica LLC 1993,2021. All rights reserved." and a link to "Informatica LLC".

The main content area shows a list of API endpoints. The first entry is "catalog-api-controller" with a description "the catalog API" and a right-pointing arrow. Below it, the word "Catalog" is displayed with a downward-pointing arrow. Underneath, there are three API endpoint cards:

- GET** `/2/catalog/configuration/app_events` Gets the application configuration. (locked)
- PUT** `/2/catalog/configuration/app_events` Updates the application configuration (locked)
- GET** `/2/catalog/configuration/email_events` Gets the email configuration. (locked)

Use cases and Solutions

Usecase:1

Would like to understand what all the tables with profile results

The screenshot displays the Informatica Enterprise Data Catalog interface. The top navigation bar includes the Informatica logo, 'Enterprise Data Catalog', 'Discovery', and 'Data Asset Analytics'. A search bar at the top right contains the text 'All *'. The left sidebar shows a navigation menu with 'Home', 'Search Results', and a selected item 'sales_sachin'. The main content area is divided into a 'Filter' section on the left and a '30 Results' section on the right. The 'Filter' section has two expandable sections: 'Resource Name' and 'Asset Type'. Under 'Resource Name', 'sales_sachin' is selected with a checkmark. Under 'Asset Type', 'Data Object' is selected. The '30 Results' section lists several tables, each with a grid icon, a title, a path, and a star rating. The first table, 'EMPLOYEE_DATA_SAMPLE', is highlighted in blue.

Filter [Show selected only](#)

Resource Name

- All
- SNOWFLAKE_AD (82)
- Oracle_DD (33)
- Oracle_Offline_Scanner (33)
- Oracle_Remote (33)
- Oracle_Scan_vivesingha_Schema (30)
- sales_sachin (30)

[Show All](#)

Asset Type

- All
- DataElement (190)
- Column (187)
- Data Object (59)

30 Results

- EMPLOYEE_DATA_SAMPLE** (5 stars)
Table in: sales_sachin > PDB01 > SJAINA
- EMPLOYEE_DATA_BKP** (5 stars)
Table in: sales_sachin > PDB01 > SJAINA
- Full Name TEST_CONTACTS** (5 stars)
Table in: sales_sachin > PDB01 > SJAINA
- COUNTRY_REFERENCE** (5 stars)
Table in: sales_sachin > PDB01 > SJAINA
- EMPLOYEE_DATA** (5 stars)
Table in: sales_sachin > PDB01 > SJAINA
- CUSTOMER_DATA** (5 stars)
Table in: sales_sachin > PDB01 > SJAINA

Solution

Python Code with API

```
requests.packages.urllib3.disable_warnings(  
    requests.packages.urllib3.exceptions.InsecureRequestWarning)  
  
search_url='https://inedclab0101.informatica.com:9085/access/2/catalog/data/search'  
username='Administrator'  
password='Administrator'  
#param_q={'core.className': '*.Table', 'core.resourceName': 'sales_sachin'/Oracle_DD}  
payload={  
    'q': 'core.className:*.Table AND core.resourceName:"sales_sachin"',  
    'pageSize': 100  
    # 'attributeId': 'com.infa.ldm.profiling.lastProfileTime'  
}  
  
headers = {  
    'Content-Type': 'application/json',  
    'Accept': 'application/json',  
    'Authorization': 'Basic QWRtaW5pc3RyYXRvcjpbZG1pbmlzdHJhdG9y'  
    # 'Authorization': 'Basic QWRtaW5pc3RyYXRvcjpbZG1pbmlzdHJhdG9y'  
}  
#headers = {"Content-Type": "application/json"}  
from requests.auth import HTTPBasicAuth  
get_response = requests.get(search_url,auth=HTTPBasicAuth(username, password),params = payl  
#print(get_response.text)
```

Result

	A	B	C
1	TableName	Profile	Last Profile Time
2	EMPLOYEE_DATA_SAMPLE	N	null
3	EMPLOYEE_DATA_BKP	N	null
4	TEST_CONTACTS	N	null
5	COUNTRY_REFERENCE	N	null
6	EMPLOYEE_DATA	N	null
7	CUSTOMER_DATA	N	null
8	cch_ISSUE	y	2021-08-04T12:04:45.000Z
9	DD_REGX_DEMO	y	2021-08-04T12:04:45.000Z
10	CUSTOMERS_21	y	2021-08-04T12:04:45.000Z
11	cch	y	2021-08-04T12:04:45.000Z
12	CUSTOMERS_DEMO	y	2021-08-04T12:04:45.000Z
13	CUSTOMERS	y	2021-08-04T12:04:45.000Z
14	REGIONS	y	2021-08-04T12:04:45.000Z
15	CUSTOMERS_DM	y	2021-08-04T12:04:45.000Z
16	NOMURA_DATA	y	2021-08-04T12:04:45.000Z
17	INVENTORIES	y	2021-08-04T12:04:45.000Z

Usecase:2

- Follow/Subscribe for all the tables which are associated to Data domains
- Change Summary Notifications

The screenshot displays the Informatica Enterprise Data Catalog interface. The top navigation bar includes the Informatica logo, 'Enterprise Data Catalog', 'Discovery', and 'Data Asset Analytics'. The left sidebar shows navigation options: 'Home', 'Search Results', and 'PhoneNumber'. The main content area is titled 'Add Business Title' and 'PhoneNumber'. Below this, there are tabs for 'Overview', 'Lineage and Impact', and 'Relationships'. The 'Overview' tab is active, showing a description: 'Validates if the input matches US phone number.' Below the description, there is a section for 'Accepted (6)' with a search box containing the word 'find'. A table lists the accepted datasets with columns for Name, Business Term, Dataset, Assigned By, and Inference Type.

<input type="checkbox"/>	Name	Business Term	Dataset	Assigned By	Inference Type
<input type="checkbox"/>	PHONE_NO		EMPLOYEE_DATA_BKP	System	Data Match : 96.4...
<input type="checkbox"/>	PHONE_NO		EMPLOYEE_DATA_SAMPLE	System	Data Match : 92%
<input type="checkbox"/>	PHONE_NO		EMPLOYEE_DATA	System	Data Match : 89.6...
<input type="checkbox"/>	PHONE_NO		EMPLOYEE_DATA_BKP	System	Data Match : 91.4...
<input type="checkbox"/>	PHONE_NO		EMPLOYEE_DATA_SAMPLE	System	Data Match : 92%

Solution

Python Code with API

```
logger=logging.getLogger()
logger.setLevel(logging.DEBUG)
#import requests
requests.packages.urllib3.disable_warnings(
    requests.packages.urllib3.exceptions.InsecureRequestWarning)

search_url='https://inedclab0101.informatica.com:9085/access/2/catalog
username='Administrator'
password='Administrator'
#param_q={'core.className':'*.Table','core.resourceName':'sales_sachi
payload={
    'q':'com.infa.ldm.profilng.dataDomainsAccepted:PhoneNumber
    # 'attributeId': 'com.infa.Ldm.profilng.LastProfileTime' Cus
}

headers = {
    'Content-Type': 'application/json',
    'Accept': 'application/json',
    'Authorization': 'Basic QWRtaW5pc3RyYXRvcjpbZG1pbmLzdHJhdG9y'
    #'Authorization': 'Basic QWRtaW5pc3RyYXRvcjpbZG1pbmLzdHJhdG9y'
}
from requests.auth import HTTPBasicAuth
get_response = requests.get(search_url,auth=HTTPBasicAuth(username, p

pr_getvalueJson = get_response.json()
get_list=pr_getvalueJson ['hits']

df=pd.DataFrame(get_list)
```

Result

The screenshot shows the Informatica Data Match tool interface. At the top, there's a header for 'Add Business Title' and 'PhoneNumber'. Below that, there are tabs for 'Overview', 'Lineage and Impact', and 'R'. The 'Overview' tab is active, showing a 'Source Description' section with the text 'Validates if the input matches US p'. Below this, there's a section for 'Accepted (6)' with a help icon. A table lists six data matches, each with a checkbox, a grid icon, the field name 'PHONE_NO', the source name 'EMPLOYEE_DAT...', the system name 'System', and the 'Data Match' percentage. A 'Following' dropdown menu is open, showing four checked options: 'All changes', 'Enrichments', 'Source Changes', and 'Collaboration Changes'. At the bottom right, there's a 'Data Owner' section with a user icon.

Checkbox	Field Name	Source Name	System	Data Match
<input type="checkbox"/>	PHONE_NO	EMPLOYEE_DAT...	System	Data Match : 96.4...
<input type="checkbox"/>	PHONE_NO	EMPLOYEE_DAT...	System	Data Match : 92%
<input type="checkbox"/>	PHONE_NO	EMPLOYEE_DATA	System	Data Match : 89.6...
<input type="checkbox"/>	PHONE_NO	EMPLOYEE_DAT...	System	Data Match : 91.4...

APIs

GET

/2/catalog/data/search Catalog search

GET

/2/catalog/data/subscriptions Gets subscriptions.

Reference links

Fetch profile results – [H2I](#)

Subscribe/Follow use case – [H2L](#)

EDC REST API [doc](#)

Scripts



EDC_search_profile_table_new.txt



Subscribe_Dataset_Datadomain.txt

DEMO

EDC – REST API Use case and Solutions



Thank you.