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Creating a Cloud Data Profile Warehouse

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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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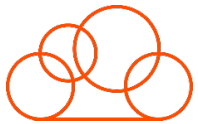
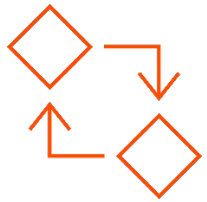
Feature Rich Success Portal



Bootstrap trial and POC Customers

Enriched Customer Onboarding experience



Product Learning Paths and Weekly Expert Sessions

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Tailored training and content recommendations

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Cloud Data Profile Warehouse

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Agenda

- What is a Profile Warehouse
- Why build a Profile Warehouse
- Who would use a Profile Warehouse
- How is it built
- Design Solution
- Technical Walk-Thru
- Aggregation and Dashboard

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What is a Cloud Data Profile (CDP) Warehouse

- A collection of metadata regarding the Profiles run in IDMC/Cloud Data Profile (CDP)
- It provides the necessary data about an Org's Profile runs to build custom dashboards for Data Quality trend analysis, and Overall Data Quality Metrics (Completeness, Timeliness, Validity, Uniqueness, Accuracy and Consistency)

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Why build a CDP Warehouse?

- Provides an overall picture of the health of the data
- If you have 3rd Party Vendor's that provide your business data, it can track how complete/accurate their data is and it can show trends to see if data is being "cleaned up"
- It can send reports to different areas of your business.
- It can act as an Audit Tool
  - Did the anomaly data get corrected after it was identified and agreed upon to fix the data?
- The data will still be saved in your infrastructure.
  - If you run out of space and need to delete old profiles within CDP
  - If your IDMC Org expires

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Who would use a CDP Warehouse?

- Data Owners
- Data Stewards
- Data Scientists
- Business Analysts
- Technical IT Resources
- Leadership, Directors, VP's, CEO's

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How is the CDP Warehouse Built?

- A set of Cloud Data Integration (CDI) mappings call a series of REST API's to obtain the data
- The REST API response data is written to csv files and then loaded into a Reporting Database (CDP Warehouse) of your choosing, i.e., PostgreSQL, Snowflake, SQL Server
- BI Reporting Dashboards are then created using the metrics out of the CDP Warehouse

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Design Solution:

- Part 1: Runs a series of CDI mappings that call REST API's that pertain to CDP and writes to csv files
- Part 2: Runs a series of CDI mappings that read the csv files and load database tables.
- Part 3: Runs a series of CDI mappings that aggregates the data from the database tables
- Part 4: Showcases the results in a BI Dashboard/s

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List of Rest API's Used – this will be explained more in the Walk-Thru

API Seq #	API Name	Profile Standard or Custom API's	Variable names	Parameter name
1	IDMC Login	https://dm-us.informaticacloud.com/ma/api/v2/user/login	NA	NA
2	Profile List	https://use4-dqprofile.dm-us.informaticacloud.com/profiling-service/api/v1/profile	NA	NA
3	Profile execution status **	https://use4.dm-us.informaticacloud.com/jls-di/api/v1/Orgs('{OrgId}')/JobLogEntries?$top={top}&$filter=(startswith(instanceName,'{profile_name}'))	profile_name	Top OrgId
4	Profile metadata details	https://use4-dqprofile.dm-us.informaticacloud.com/profiling-service/api/v1/profile/{id}	id	NA
5	Column profiling details	https://use4-dqprofile.dm-us.informaticacloud.com/metric-store/api/v1/odata/Profiles('{profileid}')/Columns?$top={top} &runKey= {runKey}	profileid	top runKey
6	Top frequent values	https://use4-dqprofile.dm-us.informaticacloud.com/metric-store/api/v1/odata/Profiles('{profileid}')/Columns('{columnid}')/ValueFrequencies?runKey={runKey}	profileid columnid	runKey
7	Column pattern data	https://use4-dqprofile.dm-us.informaticacloud.com/metric-store/api/v1/odata/Profiles('{profileid}')/Columns('{columnid}')/Patterns?$top={top}&runKey={runKey}	profileid columnid	top runKey
8	All profile runs	https://use4-dqprofile.dm-us.informaticacloud.com/profiling-service/api/v1/runDetail?profileId={profileid}	profielid	NA
9	Profile additional metadata **	https://use4.dm-us.informaticacloud.com/frs/v1/Documents('{frs_id}')?$expand=userInfo,tags	frs_id	NA
10	Rule additional metadata **	https://use4.dm-us.informaticacloud.com/frs/v1/Documents('{frs_id}')?$expand=userInfo,tags	frs_id	NA

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Cloud Data Profile Warehouse Technical Walk-Thru

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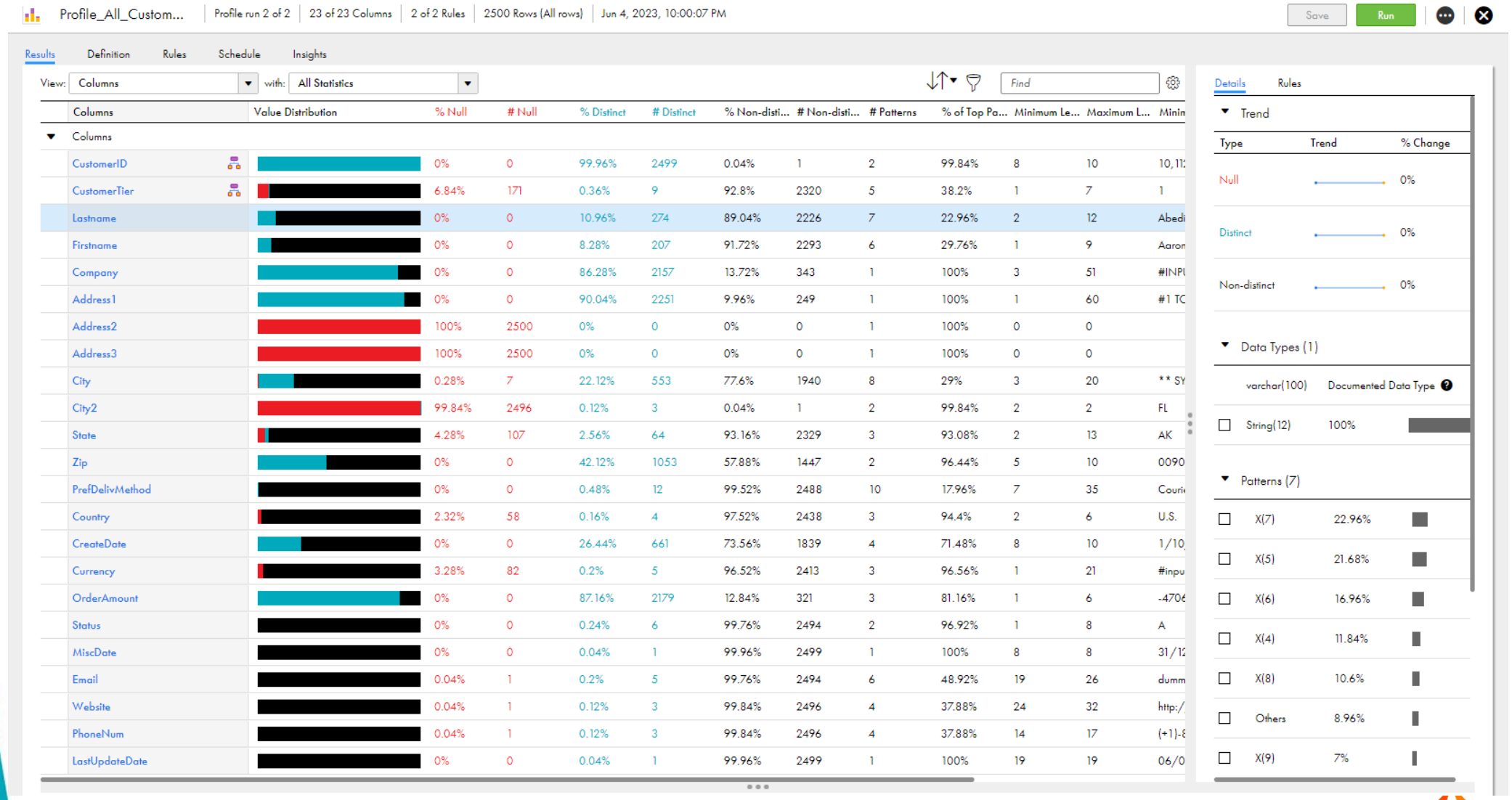
Cloud Data Profile



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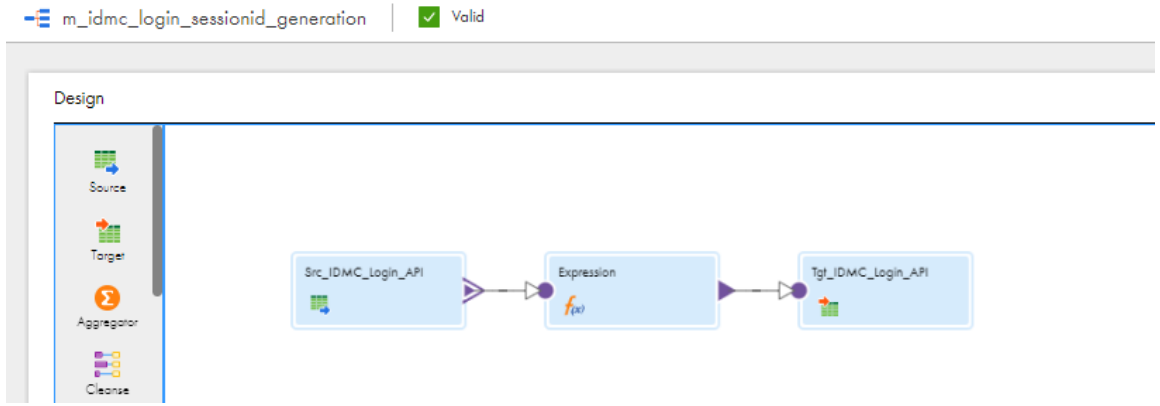
API: IDMC Login

Mapping



Request

Request Message

Operation: IICS_Login_API

```
{
  "body" : {
    "@type" : "xxxxxxx",
    "username" : "xxxxxxxxx",
    "password" : "xxxxxxxxx"
  }
}
```

Response

```
"icSessionId"
"i2g6Q6kXUCwkQ65NzAau0S"
```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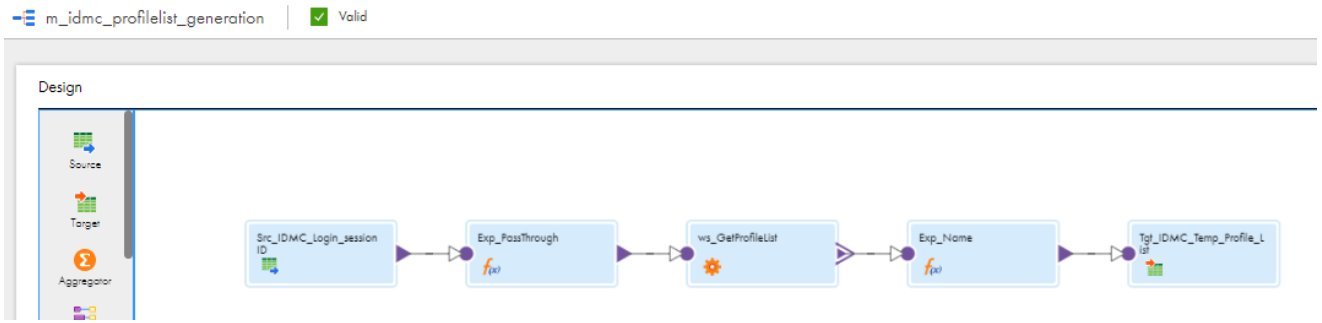
API: Profile List

Mapping



Request

No input required for this API

Response

```
SELECT * FROM "REPORTING".idmc_temp_profile_list order by audit_createtime desc;
```

idmc_temp_profile_list 1

SELECT profile_id,profilekey,profile_name,'' as orgid,frsid,audit_cr | Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	profilekey	profile_name	orgid	frsid	audit_createtime
1	a899d6ba-37c0-455a-b2e8-9c82473d12d4	610	activity_hcp		3I1LLZJNvEnisFAnrT7BkH	2023-05-17 13:01:05.000
2	8b7af114-4190-4810-9bdd-bb23dc5f1214	559	activity_hcp_delta		2rdeAWFyNPsknjKOvwHoaC	2023-05-17 13:01:05.000
3	205b5082-7c4c-4f6c-bb35-7b720023f12c	560	activity_hcp_simple		dhaADIKP3mniqMsWSuSRCL	2023-05-17 13:01:05.000
4	86114eb0-1c85-4e4c-9f01-ee667a7cb2ce	612	activity_log_hcpj		8QoejTrXZUJgB3WSBQFZOJ	2023-05-17 13:01:05.000
5	40242a03-cc10-429c-ac3f-6a09b16a80d8	556	aggspend_address		fMzTsGNssgfbxokBoxkneu	2023-05-17 13:01:05.000
6	55c3328d-41b7-430b-b889-443a2630417b	564	aggspend_addrxref		jyKnW5Wh24MhxtNhxr9pYj	2023-05-17 13:01:05.000
7	ad1b921d-8697-4b8f-8a02-6de0ba920a4c	557	aggspend_affl		8fUykrrZba9hHLEkxcXrMI	2023-05-17 13:01:05.000
8	56dec120-d513-4fb9-8e00-2b32050b0aea	607	aggspend_bpal		1c6EYyan2mPfseKk4kjBIT	2023-05-17 13:01:05.000
9	dff69c63-cc74-438a-aa10-c6777b4bbd69	606	aggspend_customer		aXzXNozqmEEdk7gBYA4Mgw	2023-05-17 13:01:05.000
10	f6836d3f-18e6-441e-a816-c9517d1aaf4c	609	aggspend_extension		8qcSjEq244Kh17VggdVMGq	2023-05-17 13:01:05.000

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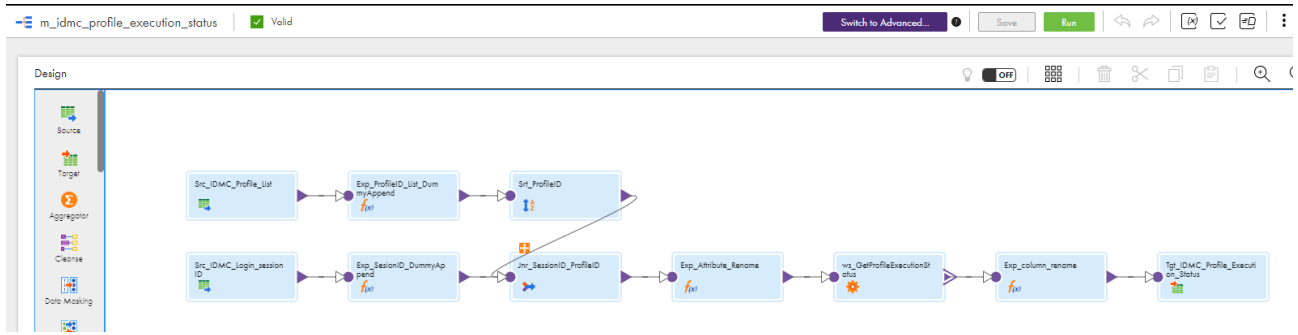
API: Profile execution status

Mapping



Request

Profile Name
Org ID

Response

```
SELECT * FROM "REPORTING".idmc_profile_execution_status ORDER BY audit_createtime DESC;
```

idmc_profile_execution_status 1

SELECT profile_id,profile_lastrunkey ,assetid,runid,status,assettype | Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	profile_lastrunkey	assetid	runid	status	assettype	starttime	endtime	updatetime	duration
1	3406a023-dacf-4964-b6c6-74f92506ea37	1	c100969c-76a6-4789-a5e8-dca19a6c390c	1	COMPLETED	PROFILE	2023-05-17 08:18:26.000	2023-05-17 12:34:56.000	2023-05-17 12:34:56.000	15,390
2	341f29b7-c492-4fd5-8a94-1a4904c0f38f	1	99672f9c-142c-4274-b5f1-49381e31113e	1	FAILED	PROFILE	2023-05-17 11:16:44.000	2023-05-17 11:25:58.000	2023-05-17 11:25:58.000	554
3	3406a023-dacf-4964-b6c6-74f92506ea37	1	c100969c-76a6-4789-a5e8-dca19a6c390c	1	RUNNING	PROFILE	2023-05-17 08:18:26.000	[NULL]	2023-05-17 08:19:40.000	9,880
4	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1	8af935e9-f2f3-424e-9cf1-49b916765a7b	1	COMPLETED	PROFILE	2023-05-16 19:35:52.000	2023-05-16 19:36:43.000	2023-05-16 19:36:43.000	51
5	e00070ef-173d-4c95-8433-67b5a4090aa0	185	222ef00f-3ba1-426c-a3ea-5ad31f05955c	527	COMPLETED	PROFILE	2023-05-16 13:30:54.000	2023-05-16 13:33:00.000	2023-05-16 13:33:00.000	126
6	e00070ef-173d-4c95-8433-67b5a4090aa0	184	8e28b2d9-c4d8-47e1-8eb8-511c415e2457	524	COMPLETED	PROFILE	2023-05-15 13:30:55.000	2023-05-15 13:32:55.000	2023-05-15 13:32:55.000	120
7	e00070ef-173d-4c95-8433-67b5a4090aa0	183	01f1db01-20ce-4118-b488-748ad6134091	521	COMPLETED	PROFILE	2023-05-14 13:30:48.000	2023-05-14 13:32:34.000	2023-05-14 13:32:34.000	106
8	e00070ef-173d-4c95-8433-67b5a4090aa0	181	12838ec2-54e2-4165-abd5-990c9e5fb571	515	COMPLETED	PROFILE	2023-05-12 13:30:52.000	2023-05-12 13:32:55.000	2023-05-12 13:32:55.000	123
9	e00070ef-173d-4c95-8433-67b5a4090aa0	180	8831b37d-4265-4c3a-8392-0fe2b1e82d55	512	COMPLETED	PROFILE	2023-05-11 13:30:55.000	2023-05-11 13:32:45.000	2023-05-11 13:32:45.000	110
10	a1786aca-54cf-4f48-bf7f-da6851c3a54d	2	ad958e5f-4081-4c33-8a0f-1cea3f53b2a3	4	COMPLETED	PROFILE	2023-05-11 08:56:11.000	2023-05-11 08:56:49.000	2023-05-11 08:56:50.000	38

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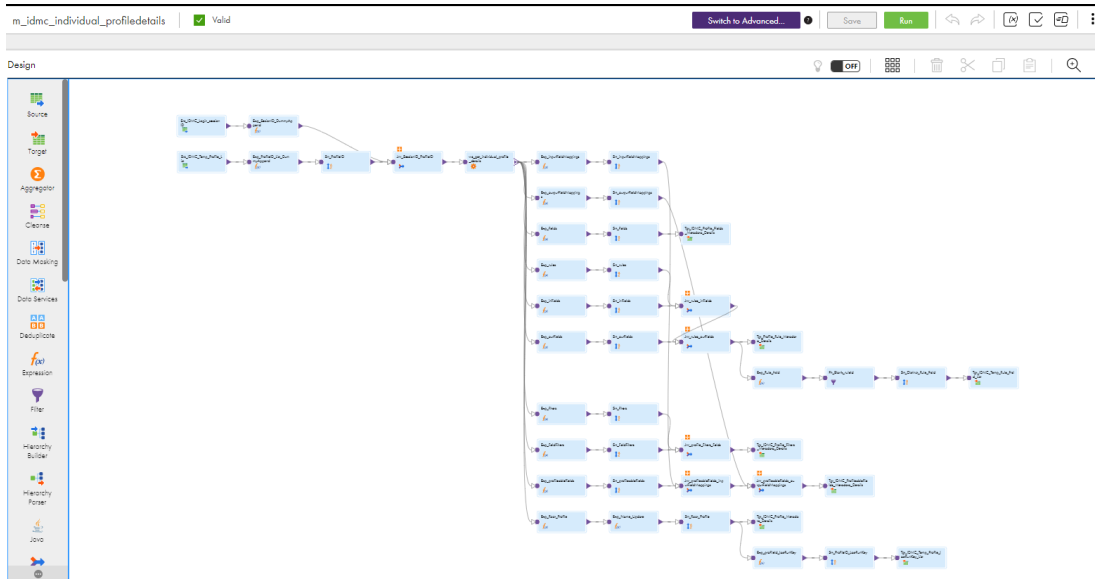
API: Profile metadata details

Mapping



Request

Profile ID

Response

```
SELECT * FROM "REPORTING".idmc_profile_metadata_details ORDER BY audit_createtime DESC;
```

idmc_profile_metadata_details 2

SELECT profile_id, 'masked profile name' as profile_name,'maskec | Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	profile_name	profile_orgid	profile_createdbyname	profile_createtime	profile_lastrunkey	isfilterenabled	drilldowntype
1	589999bc-f933-42e8-a85a-37de184eea7f	masked profile name	masked Orgld	CDP Developer	2023-05-17 09:47:35.000	[NULL]	false	ON
2	0d612d69-4627-4fe3-9b82-3f3abec27986	masked profile name	masked Orgld	CDP Developer	2023-05-17 09:54:27.000	[NULL]	false	ON
3	25edc60c-33a8-4efc-a4ce-a7667b92e15f	masked profile name	masked Orgld	CDP Developer	2023-05-17 10:01:34.000	[NULL]	false	ON
4	3406a023-dacf-4964-b6c6-74f92506ea37	masked profile name	masked Orgld	CDP Developer	2023-05-17 07:37:16.000	1	false	ON
5	341f29b7-c492-4fd5-8a94-1a4904c0f38f	masked profile name	masked Orgld	CDP Developer	2023-05-17 08:35:42.000	[NULL]	false	ON
6	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	masked profile name	masked Orgld	CDP Developer	2023-05-16 07:34:23.000	1	false	ON
7	e00070ef-173d-4c95-8433-67b5a4090aa0	masked profile name	masked Orgld	CDP Developer	2022-09-26 02:04:11.000	185	true	ON
8	e00070ef-173d-4c95-8433-67b5a4090aa0	masked profile name	masked Orgld	CDP Developer	2022-09-26 02:04:11.000	184	true	ON
9	e00070ef-173d-4c95-8433-67b5a4090aa0	masked profile name	masked Orgld	CDP Developer	2022-09-26 02:04:11.000	183	true	ON

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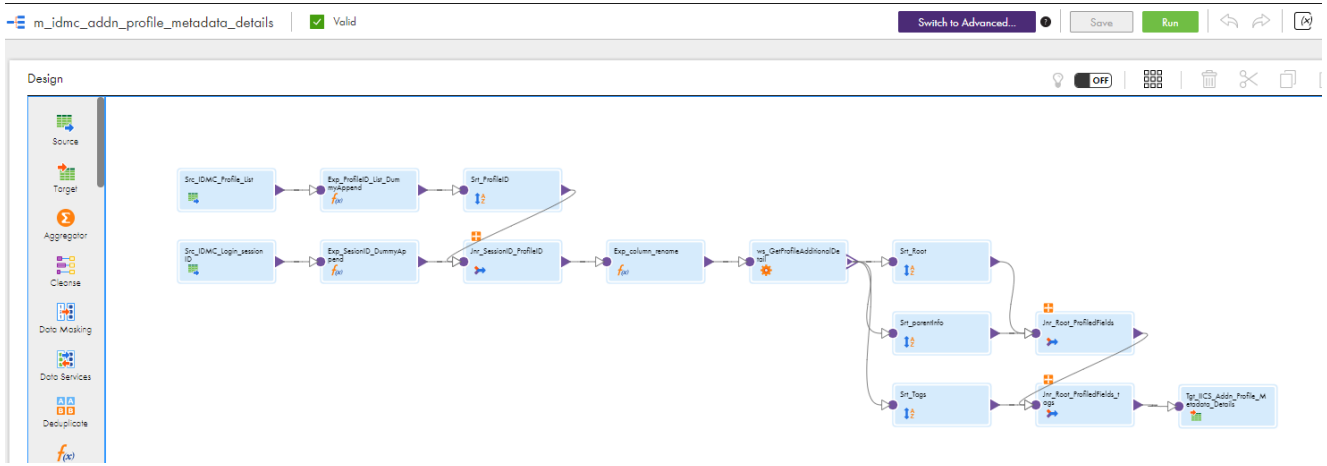
API: Profile additional metadata

Mapping



Request

FRS ID

Response

```
SELECT * FROM "REPORTING".idmc_addn_profile_metadata_details ORDER BY audit_createtime DESC;
```

idmc_addn_profile_metadata_details 1

SELECT profile_id, 'masked profile name' as profile_name,frs_id,cr

Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	profile_name	frs_id	createdtime	lastupdatedtime	profile_lastrunkey	parentname	parenttype	tags_name
1	0e3bbd7a-5710-4f09-a723-2d1b772c0d37	masked profile name	d0Lb1UU4DcKbWIZDfMLb0O	2022-10-07 07:21:52.000	2022-10-07 07:21:52.000	1	Default	Project	[NULL]
2	1622dcb3-20da-4b03-933b-9a42aeb46243	masked profile name	4rgODaGQtC5cCRiGRVY6Sh	2022-12-05 18:39:44.000	2022-12-06 14:54:07.000	[NULL]	DWH_US_CDP	Project	[NULL]
3	1bc79000-f795-4989-8e56-cc70ead95c25	masked profile name	3g8mpi5X1Z3docgCVqQYeW	2022-09-21 08:32:19.000	2022-09-21 08:32:59.000	[NULL]	DWH_UK_CDP	Project	[NULL]
4	3018af42-e115-4db7-acad-57562c083b93	masked profile name	2TUWGDrM101barvv8Q05mL	2022-11-08 22:10:54.000	2022-12-07 20:29:20.000	7	DWH_UK_CDP	Project	HCP
5	4095cb60-aabf-4724-8bdf-0b3503e0ce36	masked profile name	c9VtnwSxJyBc9ujSQUGo62	2023-01-11 13:18:00.000	2023-01-11 13:18:00.000	1	DWH_US_CDP	Project	[NULL]
6	533ad4e3-7cdb-44d6-9336-046ae2c62931	masked profile name	2NG9R5c3COwhWr0rzehL28	2021-05-26 19:08:07.000	2021-05-26 19:17:49.000	3	Default	Project	[NULL]
7	62d68da7-7157-410d-9f9e-709d378a15f2	masked profile name	kpOl6TesT23emrz6cLadiT	2023-01-13 07:20:09.000	2023-01-18 07:24:26.000	3	DWH_US_CDP	Project	[NULL]
8	69f5c381-de1b-4e3b-a90f-cb85a95c5b90	masked profile name	3rrNZiDCcPHfVdSyuFKqKR	2022-09-28 15:26:49.000	2022-12-07 19:57:17.000	13	DWH_UK_CDP	Project	Employee
9	69f5c381-de1b-4e3b-a90f-cb85a95c5b90	masked profile name	3rrNZiDCcPHfVdSyuFKqKR	2022-09-28 15:26:49.000	2022-12-07 19:57:17.000	13	DWH_UK_CDP	Project	No_Filters

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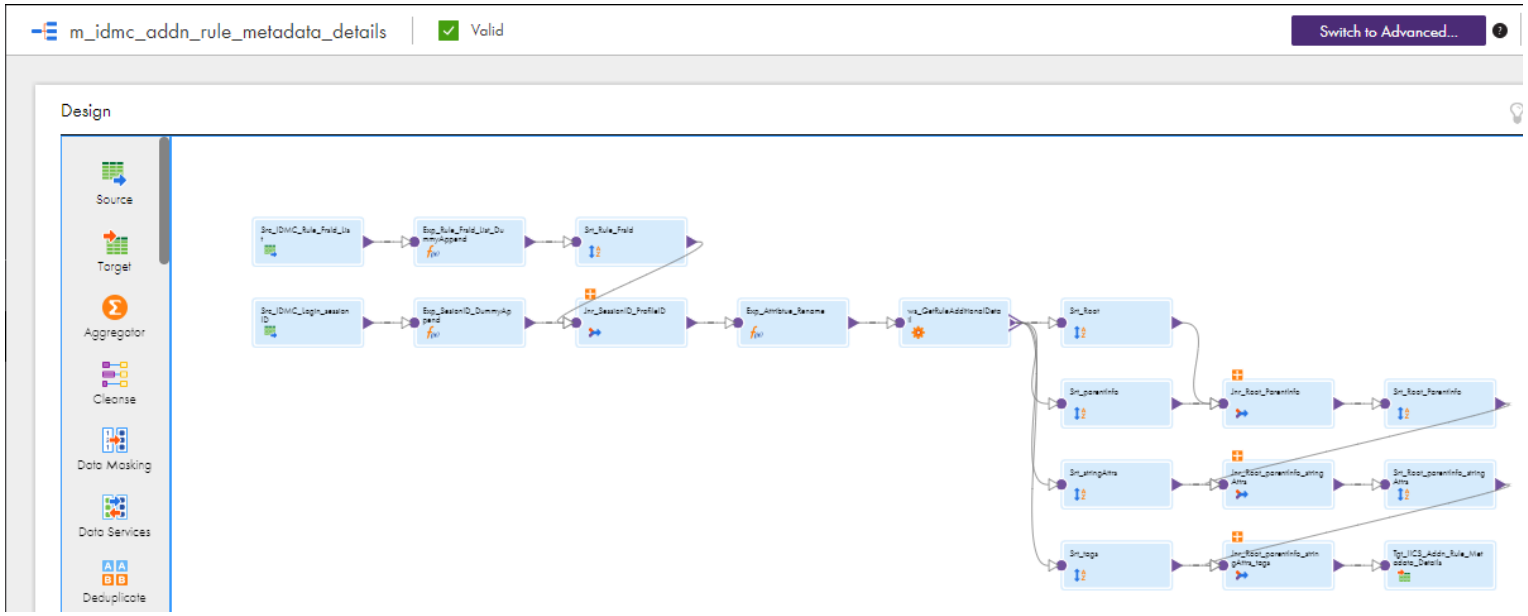
API: Rule additional metadata

Mapping



Request

FRS ID

Response

```
SELECT * FROM "REPORTING".idmc_addn_rule_metadata_details ORDER BY audit_createtime DESC;
```

idmc_addn_rule_metadata_details 1

SELECT profile_id,rule_id,name as rule_name, rule_frsid,documenttype,strin... (documenttype IN ('RULE_SPECIFICATION')) AND (stringattrs_name IN ('DIMENSION','EXCEPTION','INSIGHT'))

	profile_id	rule_id	rule_name	rule_frsid	documenttype	stringattrs_name	stringattrs_value	parentname	parenttype	tags_name
1	62d68da7-7157-410d-9f9e-709d378a15f2	5bffb2f2-7ab8-4fc2-96b7-238d363842fd	Discount Check	aAVhpszRA6xhn3uDddWi2X	RULE_SPECIFICATION	DIMENSION	VALIDITY	DWH_UK_CDP	Project	[NULL]
2	62d68da7-7157-410d-9f9e-709d378a15f2	5bffb2f2-7ab8-4fc2-96b7-238d363842fd	Discount Check	aAVhpszRA6xhn3uDddWi2X	RULE_SPECIFICATION	EXCEPTION	false	DWH_UK_CDP	Project	[NULL]
3	62d68da7-7157-410d-9f9e-709d378a15f2	af9f901f-7db1-43f6-b8e1-4f41c55dab5e	Null_Check	8DSY2IFM9ezgCAeRzJg2i4	RULE_SPECIFICATION	EXCEPTION	false	Default	Project	[NULL]
4	62d68da7-7157-410d-9f9e-709d378a15f2	af9f901f-7db1-43f6-b8e1-4f41c55dab5e	Null_Check	8DSY2IFM9ezgCAeRzJg2i4	RULE_SPECIFICATION	DIMENSION	COMPLETENESS	Default	Project	[NULL]
5	69f5c381-de1b-4e3b-a90f-cb85a95c5b90	831697af-866e-4ca3-bec5-15dfc631d95f	Rule_Null_Empty_String_test	3vbQNfxR00ViF1AxndIV2C	RULE_SPECIFICATION	DIMENSION	VALIDITY	DWH_UK_CDP	Project	Employee_Bonus
6	69f5c381-de1b-4e3b-a90f-cb85a95c5b90	831697af-866e-4ca3-bec5-15dfc631d95f	Rule_Null_Empty_String_test	3vbQNfxR00ViF1AxndIV2C	RULE_SPECIFICATION	EXCEPTION	false	DWH_UK_CDP	Project	Employee_Bonus
7	8b9d989a-8f90-4333-afda-d87a32579d5d	fa082f09-b608-4152-b1ab-f4fdc20bc59b	Month_Check_Jain	1aSnFIcYPpiI0LHSBlvF4p	RULE_SPECIFICATION	DIMENSION	ACCURACY	Default	Project	[NULL]
8	8b9d989a-8f90-4333-afda-d87a32579d5d	bc65af92-cdb4-4c8e-8c50-b5bd9fda4110	Null_Check_Jain	84EXb8aYwyUi6GyyTY9wKU	RULE_SPECIFICATION	DIMENSION	VALIDITY	Default	Project	[NULL]

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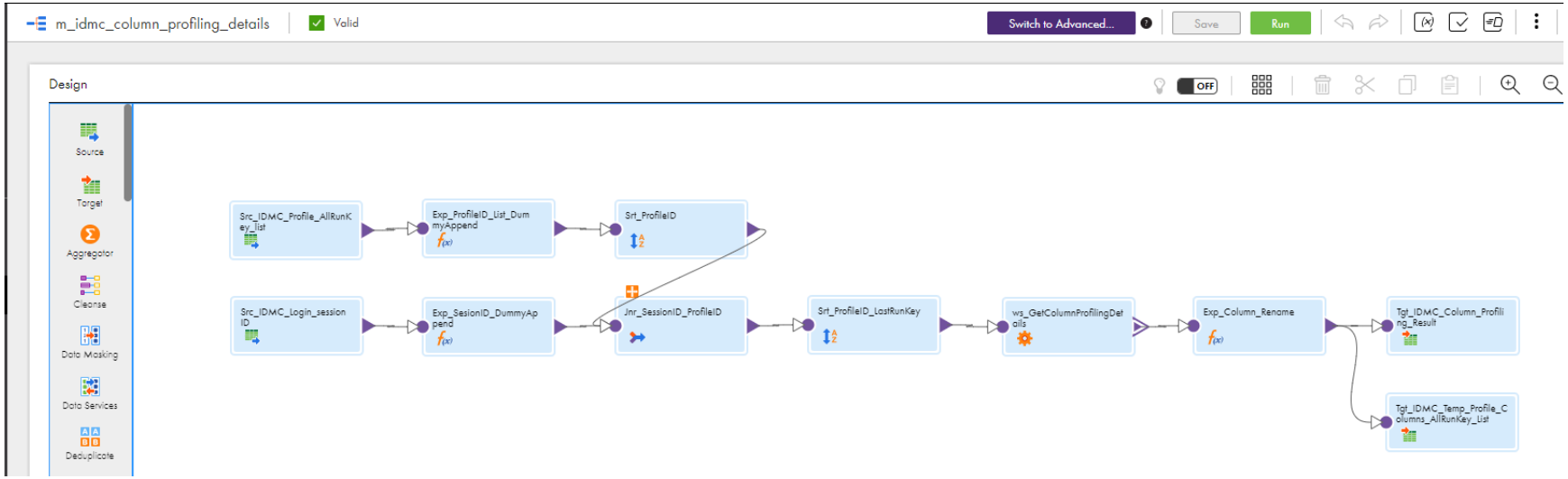
API: Column profiling details

Mapping



Request

Profile ID
runKey

Response

```
SELECT * FROM "REPORTING".idmc_column_profiling_result ORDER BY audit_createtime DESC;
```

idmc_column_profiling_result 1

SELECT profile_id, columnid,columnname,columntype, maximumlength, minimuml | Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	columnid	columnname	columntype	maximumlength	minimumlength	nulcount	nulpercent	blankcount	blankpercent	totalrows
1	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	c1030220-bb90-42a9-b8b2-1aa8699ab2ae	AUD_LD_BTCH_ID	DATASOURCEFIELD	14	10	0	0	0	0	6,409
2	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	2ed4babe-3239-4e05-b2a1-564311d89162	LOT_EXPIRATION_DATE	DATASOURCEFIELD	19	19	2,839	44.3	0	0	6,409
3	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	ead314d9-5d2b-430c-a928-334531b5f548	BUSINESS_KEY	DATASOURCEFIELD	107	42	0	0	0	0	6,409
4	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	3420f2ec-98c2-49c4-b424-d2a440955014	MFG_TYPE	DATASOURCEFIELD	11	10	0	0	0	0	6,409
5	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	662cabcc-0237-48c0-9263-c5bde1f298f9	MATERIAL_QUANTITY	DATASOURCEFIELD	15	1	1	0.02	0	0	6,409
6	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1545476d-cb86-4f2d-8465-f7de8936f430	DOSE_NUM	DATASOURCEFIELD	2	1	3,199	49.91	0	0	6,409
7	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	825e2a44-dd26-4749-ab21-887b1d78378e	MFG_START_DATE	DATASOURCEFIELD	19	19	2,838	44.28	0	0	6,409
8	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	3ce8b059-90c8-4599-92f9-8cd36ef1f062	WO_ID	DATASOURCEFIELD	10	7	0	0	0	0	6,409

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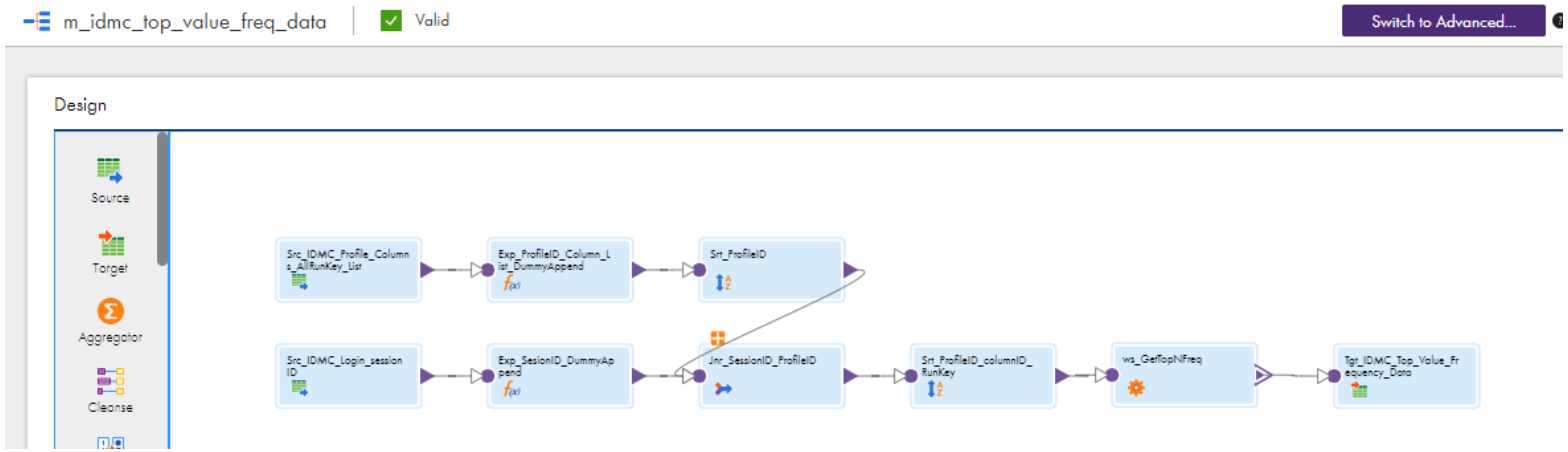
API: Top frequent values

Mapping



Request

Profile ID
Column ID
runKey

Response

```
SELECT * FROM "REPORTING".idmc_top_value_frequency_data  ORDER BY audit_createtime DESC;
```

idmc_top_value_frequency_data 1

SELECT * FROM "REPORTING".idmc_top_value_frequency_data ORDER BY audit_creat | Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	columnid	runkey	rowidentifier	frequency	columnvalue	isoutlier	percent	length
4	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	6067c5dd-baef-49de-85c0-50726b409b4e	1	2	621	0001	[NULL]	9.6895	4
5	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	6067c5dd-baef-49de-85c0-50726b409b4e	1	1	804	0002	[NULL]	12.54486	4
6	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	6067c5dd-baef-49de-85c0-50726b409b4e	1	4	332	0003	[NULL]	5.18022	4
7	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	6067c5dd-baef-49de-85c0-50726b409b4e	1	9	81	0005	[NULL]	1.26385	4
8	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	7f19aea8-fd8d-4280-87d4-869ff4603b4c	1	1	281	001	true	4.38446	3
9	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	6067c5dd-baef-49de-85c0-50726b409b4e	1	3	511	0010	[NULL]	7.97316	4

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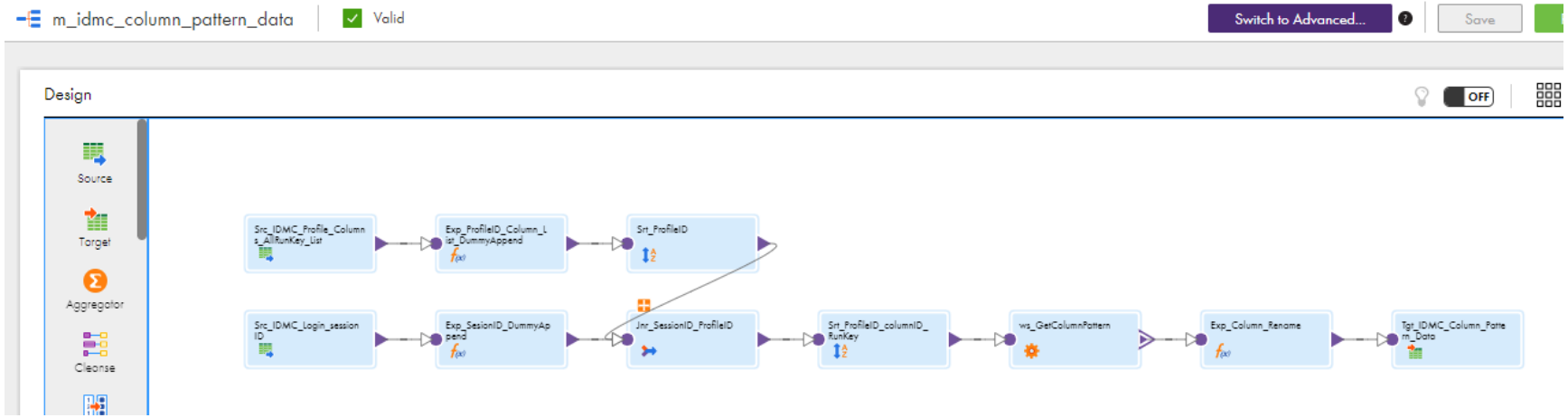
API: Column pattern data

Mapping



Request

Profile ID
Column ID
runKey

Response

```
SELECT * FROM "REPORTING".idmc_column_pattern_data  ORDER BY audit_createtime DESC;
```

idmc_column_pattern_data 1

SELECT profile_id, columnid,totalrows,domaintype,inferreddatatype,patternlabel,sati: Enter a SQL expression to filter results (use Ctrl+Space)

	profile_id	columnid	totalrows	domaintype	inferreddatatype	patternlabel	satisfiedcount	satisfiedcountpercent
1	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	ead314d9-5d2b-430c-a928-334531b5f548	6,409	Pattern	String(107) [100.00%]	Others	4,612	71.96
2	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	010175ad-ad98-4126-9b36-57ab1d52722e	6,409	Pattern	[NULL]	NULL	6,409	100
3	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	152a07dd-a709-401c-aa1a-37a7ca7176d4	6,409	Pattern	Date Time {mm/dd/year HH24:mi:ss: 100.00%}{dd/mm/year HH24:mi:ss: 38.66%} [100.00%]	99/99/9(4)b99:99:99	3,210	50.09
4	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	152a07dd-a709-401c-aa1a-37a7ca7176d4	6,409	Pattern	Date Time {mm/dd/year HH24:mi:ss: 100.00%}{dd/mm/year HH24:mi:ss: 38.66%} [100.00%]	NULL	3,199	49.91
5	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1545476d-cb86-4f2d-8465-f7de8936f430	6,409	Pattern	Integer(2) [100.00%]	9	3,207	50.04
6	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1545476d-cb86-4f2d-8465-f7de8936f430	6,409	Pattern	Integer(2) [100.00%]	NULL	3,199	49.91
7	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1545476d-cb86-4f2d-8465-f7de8936f430	6,409	Pattern	Integer(2) [100.00%]	Others	3	0.05
8	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1d0d4400-f3b2-43fa-9a49-54dbdd201b53	6,409	Pattern	Integer(7) [95.05%]	999	914	14.26
9	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1d0d4400-f3b2-43fa-9a49-54dbdd201b53	6,409	Pattern	Integer(7) [95.05%]	9(7)	5,171	80.68
10	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	1d0d4400-f3b2-43fa-9a49-54dbdd201b53	6,409	Pattern	Integer(7) [95.05%]	Others	324	5.06

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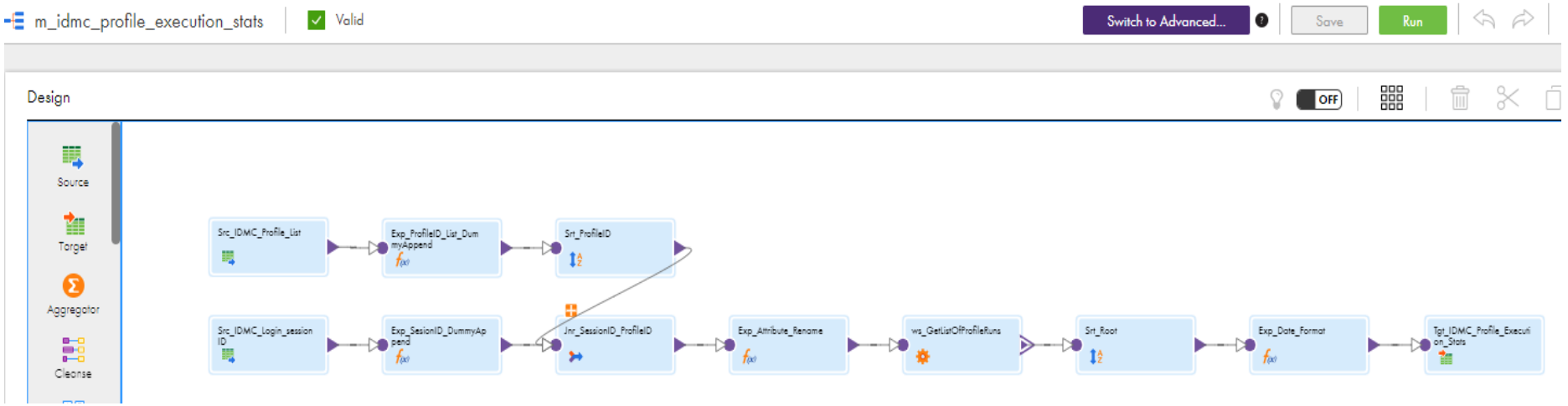
API: All profile runs

Mapping



Request

Profile ID

Response

```
SELECT * FROM "REPORTING".idmc_profile_execution_stats  ORDER BY audit_createtime DESC;
```

idmc_profile_execution_stats 1

SELECT profileid, run_id ,runkey,samplingtype,profile_starttime ,profile_endtime, prof | Enter a SQL expression to filter results (use Ctrl+Space)

	profileid	run_id	runkey	samplingtype	profile_starttime	profile_endtime	profile_executiontime	status	rowsprocessed	numberofdscolumns	numberofrules	runcostinmb
1	c03bbe6a-a701-4812-aafe-c39e9fa29bb5	f14e26d5-b527-4551-9629-2cbcd7296f8a	1	ALL_ROWS	2023-05-16 07:35:51.000	2023-05-16 07:36:43.000	52	COMPLETED	6,409	37	[NULL]	1.6797494888
2	e00070ef-173d-4c95-8433-67b5a4090aa0	d2fb0cdb-d039-45ba-bece-1defa0aeaba9	185	ALL_ROWS	2023-05-16 01:30:53.000	2023-05-16 01:33:00.000	127	COMPLETED	77,150	137	6	4.6721086502
3	e00070ef-173d-4c95-8433-67b5a4090aa0	a8acca65-d822-4f3e-a5cd-6f5f9f946908	184	ALL_ROWS	2023-05-15 01:30:55.000	2023-05-15 01:32:54.000	119	COMPLETED	77,150	137	6	4.671040535
4	e00070ef-173d-4c95-8433-67b5a4090aa0	af0f9e8b-25ab-460c-ba37-4937d64c44fd	183	ALL_ROWS	2023-05-14 01:30:47.000	2023-05-14 01:32:33.000	106	COMPLETED	77,150	137	6	4.670964241
5	e00070ef-173d-4c95-8433-67b5a4090aa0	b746d64e-5e85-44a4-82a7-164db137c120	182	ALL_ROWS	2023-05-13 01:30:46.000	2023-05-13 01:32:28.000	102	COMPLETED	77,150	137	6	4.6715135574
6	e00070ef-173d-4c95-8433-67b5a4090aa0	a73d4510-574f-4cc9-a58c-67a6e9dbf668	181	ALL_ROWS	2023-05-12 01:30:52.000	2023-05-12 01:32:55.000	123	COMPLETED	77,150	137	6	4.6709337234
7	e00070ef-173d-4c95-8433-67b5a4090aa0	ee895afd-276f-4dfc-b9ff-9f0beb8245ad	180	ALL_ROWS	2023-05-11 01:30:55.000	2023-05-11 01:32:44.000	109	COMPLETED	77,150	137	6	4.6709184647
8	a1786aca-54cf-4f48-bf7f-da6851c3a54d	868acd7b-8d7b-414e-96da-3af17f682fc8	1	ALL_ROWS	2023-05-11 08:54:30.000	2023-05-11 08:55:07.000	37	COMPLETED	27,458	[NULL]	1	0.0022182465
9	a1786aca-54cf-4f48-bf7f-da6851c3a54d	2b6a67d4-e2ed-41de-8a56-ba37f8742e62	2	ALL_ROWS	2023-05-11 08:56:10.000	2023-05-11 08:56:49.000	39	COMPLETED	27,458	[NULL]	1	0.0022182465
10	e00070ef-173d-4c95-8433-67b5a4090aa0	64434600-4c54-4095-ad84-227161248aa6	179	ALL_ROWS	2023-05-10 01:30:54.000	2023-05-10 01:32:13.000	79	COMPLETED	77,150	137	6	4.6713609695

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Reporting Data Aggregate and Dashboard

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Profile Run Aggregate

```
select *  from "Profile_Metrics_Agg_Table" pmat ;
```

Profile_Metrics_Agg_Table 1

SELECT case when "Source"='Veeva' then 'SRC_TYP_1' when "Source"= Enter a SQL expression to filter results (use Ctrl+Space)

	source	domain	table	Overall_DQ_Score	dq_completeness	dq_timeliness	dq_validity	dq_uniqueness	dq_accuracy	dq_consistency	run_date	run_key
1	SRC_TYP_1	DATA_DOMAIN_1	TBL_1	61.72	84.38	[NULL]	[NULL]	39.06	[NULL]	[NULL]	2022-09-14 06:41:11.000	1
2	SRC_TYP_1	DATA_DOMAIN_1	Default	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	2022-10-07 07:22:24.000	1
3	SRC_TYP_1	DATA_DOMAIN_1	Default	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	[NULL]	2023-01-23 06:45:15.000	2
4	SRC_TYP_1	DATA_DOMAIN_1	TBL_1	67.19	89.58	[NULL]	[NULL]	44.79	[NULL]	[NULL]	2022-09-16 07:01:29.000	4
5	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-21 02:31:59.000	101
6	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-20 02:31:59.000	100
7	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-19 02:32:13.000	99
8	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-17 02:32:28.000	97
9	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-16 02:32:28.000	96
10	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-15 02:32:27.000	95
11	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-14 02:32:22.000	94
12	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-13 02:34:38.000	93
13	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-12 02:32:44.000	92
14	SRC_TYP_2	DATA_DOMAIN_2	Default	58.79	100	[NULL]	73.03	3.35	[NULL]	[NULL]	2023-02-10 02:32:09.000	90

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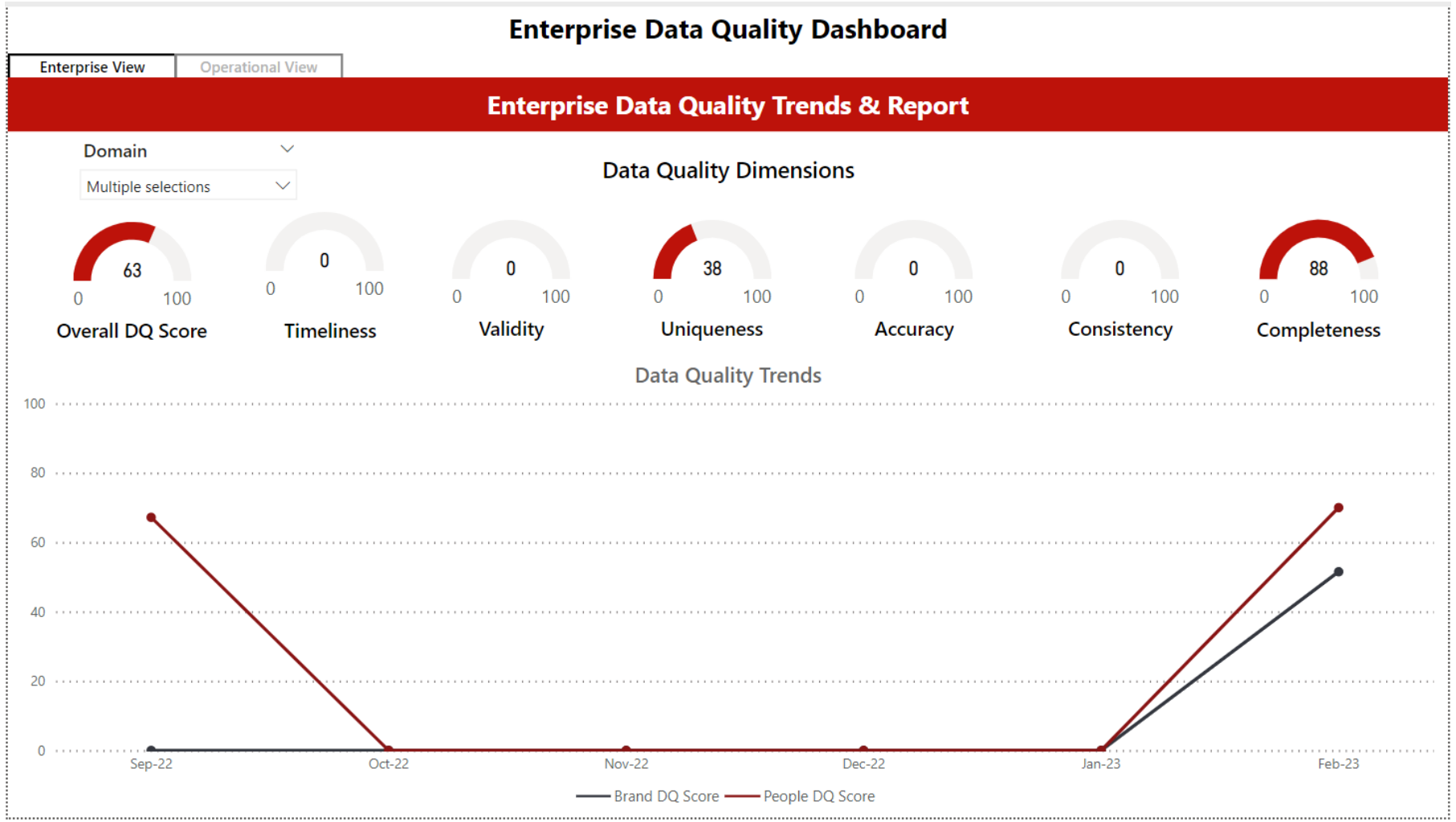
Enterprise Data Quality Dashboard



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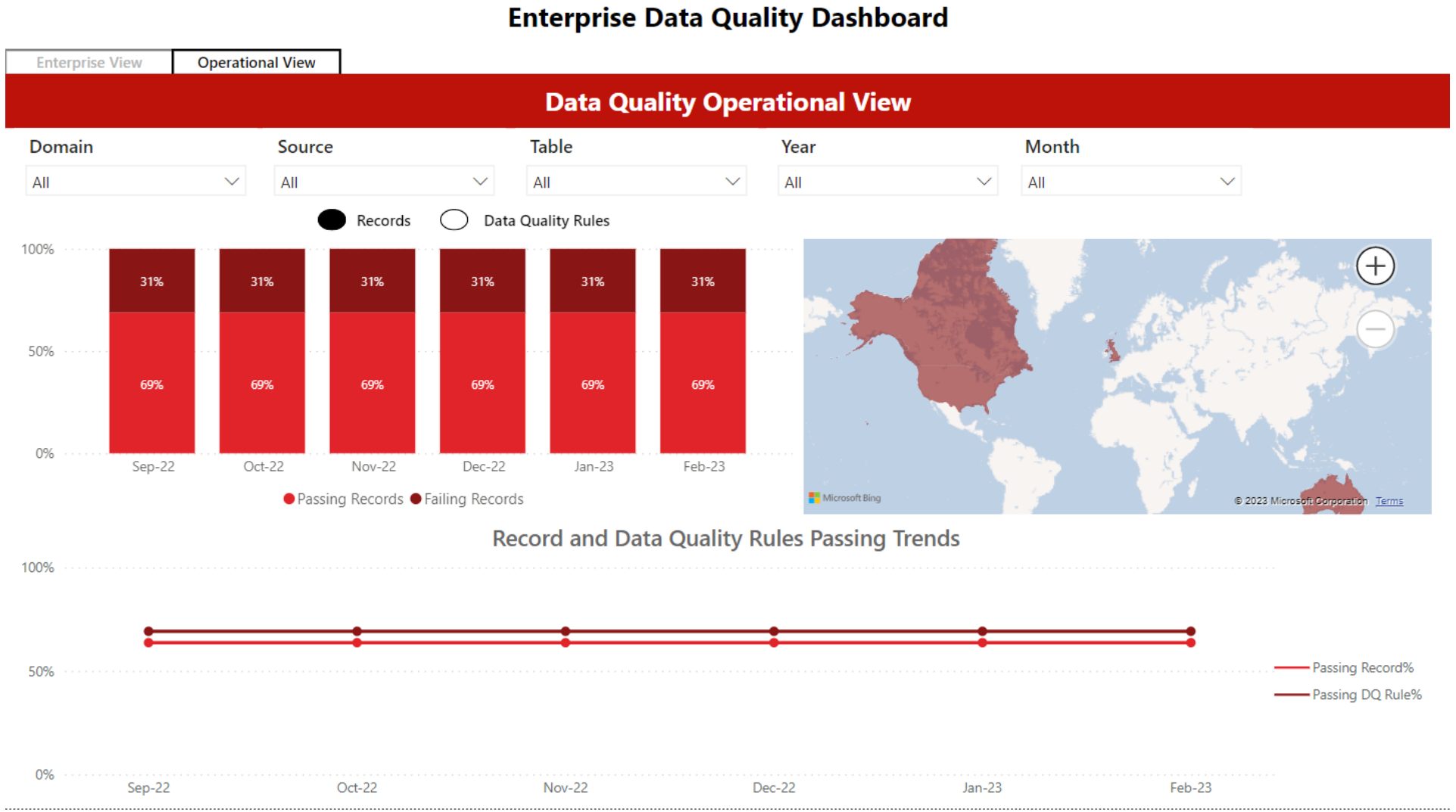
Enterprise Data Quality Dashboard



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Finally, Thank you for partaking in this Tech Tuesday

If you would like to learn more about creating your own Profile Warehouse, reach out to your Informatica Account Executive to have Professional Services assist you.

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Questions

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