



Informatica® Metadata Command Center  
November 2025

# Informatica Intelligent Cloud Services Sources

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# Table of Contents

Preface. . . . .	4
<b>Chapter 1: Introduction to Informatica Intelligent Cloud Services catalog sources. . . . .</b>	<b>5</b>
Extraction and view process. . . . .	6
About the Informatica Intelligent Cloud Services catalog source. . . . .	6
Extracted metadata. . . . .	7
Compatible components. . . . .	10
<b>Chapter 2: Before you begin. . . . .</b>	<b>13</b>
Verify permissions. . . . .	13
Permissions to extract metadata. . . . .	13
Permissions to run data classification. . . . .	13
Permissions to run glossary association. . . . .	14
Get Informatica Intelligent Cloud Services source information. . . . .	14
<b>Chapter 3: Create catalog sources in Metadata Command Center. . . . .</b>	<b>15</b>
Step 1. Register a catalog source. . . . .	15
Step 2. Configure capabilities. . . . .	17
Configure metadata extraction. . . . .	18
Configure lineage discovery. . . . .	20
Configure data classification. . . . .	21
Configure glossary association. . . . .	22
Step 3. Associate stakeholders and asset groups. . . . .	22
Step 4. Run or schedule the job. . . . .	24
Step 5. Assign reference catalog source connections to endpoint catalog source objects. . . . .	25
<b>Chapter 4: View results in Data Governance and Catalog. . . . .</b>	<b>28</b>
View metadata extraction results. . . . .	28
View referenced source systems. . . . .	30
View data lineage. . . . .	31
View lineage at the catalog source level. . . . .	31
View lineage at the data set level. . . . .	31
View lineage at the data element level. . . . .	32
View classified data. . . . .	33
View glossary associations. . . . .	34

# Preface

Read *Informatica Intelligent Cloud Services Sources* to learn how to register and configure Informatica Intelligent Cloud Services sources in Metadata Command Center as catalog sources. After you configure a catalog source, you extract metadata and then view the results in Data Governance and Catalog.

## CHAPTER 1

# Introduction to Informatica Intelligent Cloud Services catalog sources

You can use Metadata Command Center to extract metadata from a source system.

A source system is any system that contains data or metadata. For example, Data Integration, MDM SaaS, and Reference 360 are source systems from which you can extract metadata through an Informatica Intelligent Cloud Services catalog source. A catalog source is an object that represents and contains metadata from the source system.

Before you extract metadata from a source system, you first create and register a catalog source that represents the source system. Then you configure capabilities for the catalog source. A capability is a task that Metadata Command Center can perform, such as metadata extraction, lineage discovery, data profiling, data classification, or glossary association.

When Metadata Command Center extracts metadata, Data Governance and Catalog displays the extracted metadata and its attributes as technical assets. You can then perform tasks such as analyzing the assets, viewing lineage, and creating links between those assets and their business context.

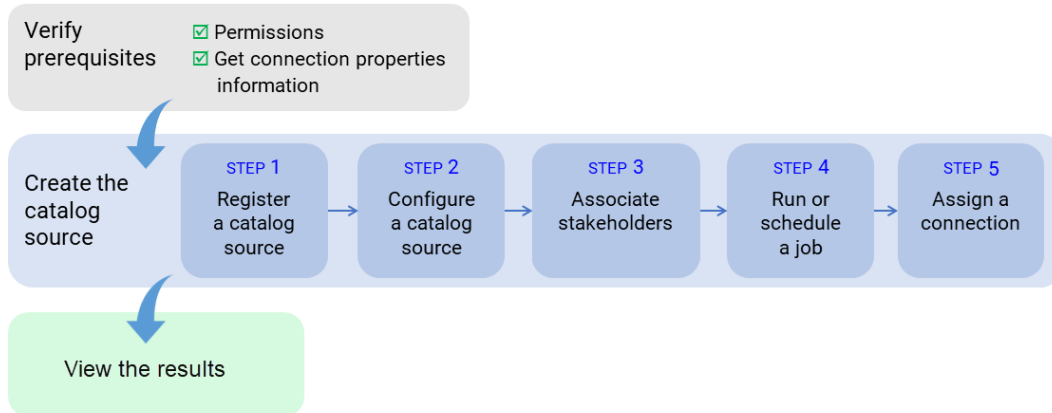
The following table describes the capabilities of the catalog source:

Capability	Description
Lineage Discovery	Builds the complete lineage of a catalog source by recommending endpoint catalog source objects to assign to reference catalog source connections. When you run the catalog source job, Metadata Command Center assigns the reference catalog source connections to CLAIRE recommended endpoint catalog source objects. You can then view the list of CLAIRE recommendations and accept or reject them.
Data Classification	Data classification is the process of identifying and organizing data into relevant categories based on the functional meaning of the data. Classifying data can help your organization manage risks, compliance, and data security.
Glossary Association	You can associate terms that are in the glossary with technical assets to provide user-friendly business names to technical assets. Glossary Association automatically associates glossary terms with technical assets or recommends glossary terms that you can manually associate with technical assets in Data Governance and Catalog.

# Extraction and view process

To extract metadata from a source system, configure the catalog source and run the catalog source job in Metadata Command Center. Then view the results in Data Governance and Catalog.

The following image shows the process to extract metadata from a source system:



After you verify prerequisites, perform the following tasks to extract metadata from Informatica Intelligent Cloud Services:

1. Register a catalog source. Create a catalog source object, select Informatica Intelligent Cloud Services, and specify values for connection properties.
2. Configure the catalog source. Specify the runtime environment and configure parameters for metadata extraction. Optionally, add filters to include or exclude source system assets from metadata extraction. You can also configure other capabilities such as data profiling and quality, data classification, or glossary association.
3. Optionally, associate stakeholders. Associate users with technical assets, giving the users permission to perform actions determined by their roles.
4. Run or schedule the catalog source job.
5. Optionally, if the catalog source job generates referenced asset objects, you can assign a connection to referenced source system assets.  
You can view the lineage with object references without performing connection assignment. After connection assignment, you can view the objects.

After you run the catalog source job, you view the results in Data Governance and Catalog.

## About the Informatica Intelligent Cloud Services catalog source

Informatica Intelligent Cloud Services is an on-demand subscription cloud service that provides access to Data Integration, MDM SaaS, and Reference 360 assets.

**Note:**

- For the business entities to appear in the data lineage, create a new Informatica Intelligent Cloud Services catalog source and run the job, instead of running the existing catalog source again.
- When you run an Informatica Intelligent Cloud Services catalog source job, you can view lineage for Informatica Intelligent Cloud Services mappings that read data from and write data to Salesforce source systems.
- You can run an Informatica Intelligent Cloud Services catalog source job to view lineage for Informatica Intelligent Cloud Services mappings that include custom queries to read data from Amazon Redshift source systems.

You can run connection-aware scans on Informatica Intelligent Cloud Services sources.

## Extracted metadata

You can use the Informatica Intelligent Cloud Services catalog source to extract metadata from Data Integration, Master Data Management SaaS, and Reference 360 source systems.

Metadata Command Center extracts the following objects from Informatica Intelligent Cloud Services:

**Data Integration**

- Calculation
- Data synchronization task
- Dynamic mapping task
- Dynamic mapping task instance
- Folder
- PowerCenter task
- Project
- Mapping
  - ELT (Extract Load Transform) Mapping
  - ETL (Extract Transform Load) Mapping
- Mapping task
- Mapping task instance
- Advanced mapping

**MDM SaaS**

- Attribute
- Business entity
  - A business Entity can be used in mapping tasks as sources or targets.
- Calculation
- Data Quality
- Data Quality Calculation
- Field
- Folder
- Hierarchy Field
- Hierarchy Instance

- Hierarchy Relationship
- Landing Data Set
- Landing Field
- Mapping
  - ETL (Extract Transform Load) Mapping
- Mapping task
- Mapping task instance
- Match and Survivorship
- Match and Survivorship Calculation
- MDM Hierarchy
- MDM Relationship
- Project
- Relationship Field
- Source Record Data Set
- Source Record Field
- Source System
- Source System Folder
- System field

#### **Reference 360**

- Code list
- Crosswalk
- Hierarchy
- Hierarchy data set
- Mapping
  - ETL (Extract Transform Load) Mapping
- Reference data set
- Mapping task
- Mapping task instance

Metadata Command Center extracts the following types of tasks:

- Mapping task. A mapping task defines reusable data flow logic that is not available in Data Synchronization tasks, such as specific ordering of logic or joining sources from different systems.
- PowerCenter task. The PowerCenter task imports PowerCenter workflows to Informatica Cloud and runs them as Informatica Cloud tasks.
- Data synchronization task. The Data Synchronization task synchronizes data between a source and target.
- Mapping task instance. Instance is an execution of a mapping task.

**Note:** Metadata Command Center also extracts these tasks when they are run from taskflows.

You can extract advanced mappings with the following transformation types:

- Mapplet
- MappletInput



- MappletOutput
- Aggregator
- Sorter
- Expression
- Filter
- Joiner
- Lookup
- Normalizer
- Rank
- Router
- Sequence
- Union
- AccessPolicy

To extract advanced mappings, use the following connectors:

- Amazon Redshift V2
- Amazon S3 V2
- Databricks Delta
- Google BigQuery V2
- Google Cloud Storage V2
- Hive Connector
- Microsoft Azure Data Lake Storage Gen2
- Microsoft Azure Synapse SQL
- Microsoft Fabric Data Warehouse
- Microsoft Fabric Lakehouse
- Microsoft Fabric OneLake
- Snowflake Cloud Data Warehouse

You can override the parameters of a task in a mapping task when you use the following connectors:

- Amazon Redshift V2
- Databricks Delta
- Google BigQuery V2
- Microsoft Azure Synapse SQL
- Microsoft Fabric Data Warehouse
- Microsoft Fabric Lakehouse
- Microsoft Fabric OneLake
- Snowflake Cloud Data Warehouse

## Compatible components

Metadata Command Center extracts metadata from mappings, mapping tasks, mapping task instances, and advanced mappings in an Informatica Intelligent Cloud Services catalog source.

You can extract metadata from mappings that contain the following components:

- AddressValidation Transformation - Custom
- Aggregator - Transformation
- Amazon Athena (AmazonAthena\_amazonathena Reader) - Reader
- Amazon Redshift (AmazonRSCloudAdapter Reader) - Reader
- Amazon Redshift (AmazonRSCloudAdapter Writer) - Writer
- Amazon Redshift (AmazonRedshiftV2\_amazonredshift Reader) - Reader
- Amazon Redshift (AmazonRedshiftV2\_amazonredshift Writer) - Writer
- Amazon S3 (AmazonS3 Reader) - Reader
- Amazon S3 (AmazonS3 Writer) - Writer
- Amazon S3 (AmazonS3V2\_amazons3 Reader) - Reader
- Amazon S3 (AmazonS3V2\_amazons3 Writer) - Writer
- Azure Blob (AzureBlobV3\_blob Reader) - Reader
- Azure Blob (AzureBlobV3\_blob Writer) - Writer
- Azure Data Lake Storage Gen2 (adlsgen2\_adlsg2 Reader) - Reader
- Azure Data Lake Storage Gen2 (adlsgen2\_adlsg2 Writer) - Writer
- Azure Data Warehouse (AzureDWV3\_table Reader) - Reader
- Azure Data Warehouse (AzureDWV3\_table Writer) - Writer
- Business 360 Flat End Point (mdmflat\_flatmdmentity Writer) - Writer
- Business Entity (mdmV1\_businessentity Reader) - Reader
- Business Entity (mdmV1\_businessentity Writer) - Writer
- DB2 Warehouse (Db2Warehouse\_table Reader) - Reader
- Databricks Delta (databricksdelta\_databricksdelta Reader) - Reader
- Databricks Delta (databricksdelta\_databricksdelta Writer) - Writer
- Db2 Warehouse (Db2Warehouse\_table Writer) - Writer
- Expression - Transformation
- File (File Reader) - Reader
- File (File Writer) - Writer
- Filter - Transformation
- Generic JDBC (GenericJDBCAdapter Reader) - Reader
- Generic JDBC (GenericJDBCAdapter Writer) - Writer
- Google Big Query (GoogleBigQueryV2\_table Reader) - Reader
- Google Big Query (GoogleBigQueryV2\_table Writer) - Writer
- Google Cloud Storage (GoogleCloudStorageV2\_storage Reader) - Reader
- Google Cloud Storage (GoogleCloudStorageV2\_storage Writer) - Writer
- Google Storage (googlestoragev2\_storage Reader) - Reader

- Google Storage (googlestoragev2\_storage Writer) - Writer
- Hive (hiveadapter\_table Reader) - Reader
- Hive (hiveadapter\_table Writer) - Writer
- JDBC (JDBC\_V2\_table Reader) - Reader
- JDBC Writer (JDBC\_V2\_table Writer) - Writer
- Java Transformation - Custom
- Joiner - Transformation
- KeyGenerator Transformation - Custom
- Lookup Procedure - Transformation
- Mapplet - Transformation
- Microsoft Fabric One Lake (onelake\_onelake Reader) - Reader
- Microsoft Fabric One Lake (onelake\_onelake Writer) - Writer
- MicrosoftExcel (MicrosoftExcel Reader) - Reader
- Normalizer - Transformation
- Operational Data Provisioning Browser (ODP\_browser Reader) - Reader
- Postgres (PostgreSQLadapter\_table Reader) - Reader
- Postgres (PostgreSQLadapter\_table Writer) - Writer
- RESTv2 (RESTv2 Reader) - Reader
- Rank - Transformation
- Relational Table (Relational Reader) - Reader
- Relational Table (Relational Writer) - Writer
- Router - Transformation
- SAP Business Explorer (SAPBExQuery Reader) - Reader
- SAP Business Warehouse (SAPBWREADER Reader) - Reader
- SQL Transform - Custom
- Salesforce (SalesForce Reader\_New) - Reader
- Salesforce (SalesForce Writer\_New) - Writer
- Salesforce (Salesforce Reader) - Reader
- Salesforce (Salesforce Writer) - Writer
- Sequence - Transformation
- SharePoint Online (SharepointOnline Reader) - Reader
- Snowflake Data Warehouse (SnowflakeCloudDataWarehouse Reader) - Reader
- Snowflake Data Warehouse (SnowflakeCloudDataWarehouse Writer) - Writer
- Snowflake Data Warehouse (SnowflakeCloudDataWarehouseV2\_table Reader) - Reader
- Snowflake Data Warehouse (SnowflakeCloudDataWarehouseV2\_table Writer) - Writer
- Sorter - Transformation
- Stored Procedure - Transformation
- Teradata Parallel Transporter (Teradata Parallel Transporter Reader) - Reader
- Teradata Parallel Transporter (Teradata Parallel Transporter Writer) - Writer

- TokenStandardiser Transformation - Custom
- Transaction Control - Transformation
- Union Transformation - Custom
- Unstructured Data Transformation - Custom
- Update Strategy - Transformation
- WebServices Consumer - Custom
- WorkdayH (WorkdayH Reader) - Reader
- WorkdayH (WorkdayH Writer) - Writer
- XML (XML Reader) - Reader
- XML (XML Writer) - Writer

## CHAPTER 2

# Before you begin

Before you create a catalog source, ensure that you have the information required to connect to the source system.

Complete the following prerequisite tasks:

- Ensure that you have the required permissions.
- Verify that the administrator created the Reference 360 Business Analyst user role.
- Associate mappings with mapping tasks.
- Ensure that the mapping tasks were run at least once in the last 18 months. This ensures that the required metadata is available in the Informatica Intelligent Cloud Services repository.

**Note:** You can ignore the status of the mapping task.

## Verify permissions

To extract metadata and to configure other capabilities that a catalog source might include, you need account access and permissions on the source system. The permissions required might vary depending on the capability.

### Permissions to extract metadata

Ensure that you have the required permissions to enable metadata extraction.

Verify that you have configured the following permissions in Administrator:

- To access mapping tasks in Data Integration, verify that you have the following permissions:
  - Read access for all Data Integration assets.
  - Enable the **Data Integration Data Previewer** user role in Administrator.
- To access MDM SaaS assets, verify that you have the following permissions:
  - Read access for all assets on the **Assets** tab of the MDM Configuration service.
  - Enable **Asset - export** on the **Features** tab of the Administrator service.
- To access Reference 360 assets, verify that you enabled the **Reference 360 Business Analyst** user role in Administrator.

### Permissions to run data classification

You can perform data classification with the permissions required to perform metadata extraction.

## Permissions to run glossary association

You can perform glossary association with the permissions required to perform metadata extraction.

## Get Informatica Intelligent Cloud Services source information

Before you configure the catalog source, ask the Informatica Intelligent Cloud Services administrator for values of connection properties that you need to configure the catalog source.

You don't need to create a connection object for Informatica Intelligent Cloud Services. You provide this information when you configure the catalog source.

The following table describes the properties that you need:

Property	Description
IICS URL	The URL to access Informatica Intelligent Cloud Services. The following is the IICS URL format: <code>https://&lt;domain name&gt;/identity-service/home</code> For example, <code>https://dm1-us.informaticacloud.com/identity-service/home</code>
IICS User	The user name to connect to Informatica Intelligent Cloud Services.
IICS Password	The password associated with the user name.

**Note:** To perform a connection-aware scan, run the catalog source job. After the job completes, assign connections and run the job again. For more information about the types of connection scans and assigning connections, see *Administration*.

## CHAPTER 3

# Create catalog sources in Metadata Command Center

Use Metadata Command Center to configure a catalog source for Informatica Intelligent Cloud Services and run the catalog source job.

When you configure a catalog source, you define the source system that you want to extract metadata from. Configure filters to include or exclude source system metadata before you run the job.

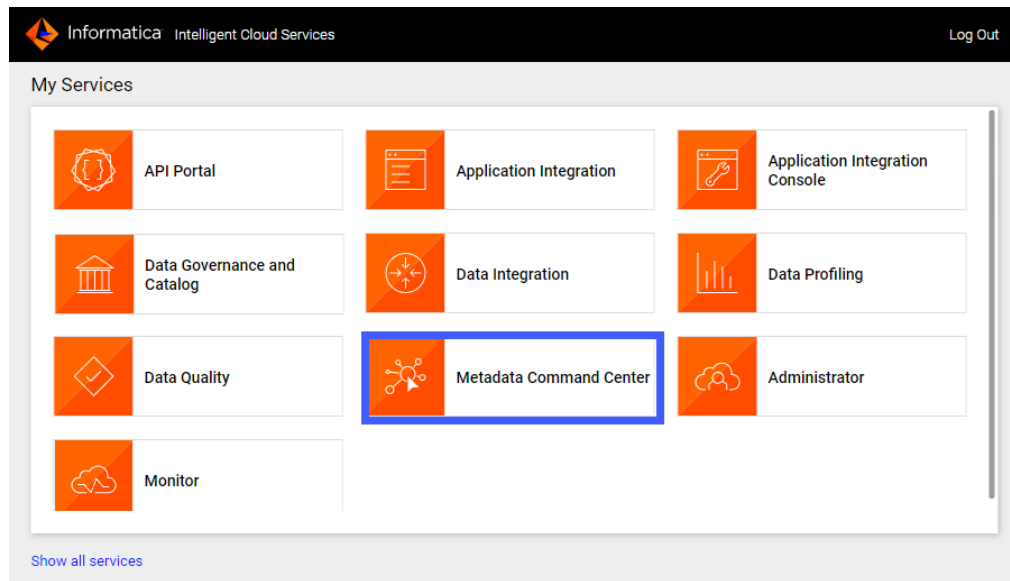
To provide stakeholders access to technical assets, you can assign access through roles. To view lineage for any system that the source system references, create a catalog source and a connection associated with the referenced source system after you run the job.

## Step 1. Register a catalog source

When you register a catalog source, provide general information and connection values.

1. Log in to Informatica Intelligent Cloud Services.  
The **My Services** page appears.
2. Click **Metadata Command Center**.

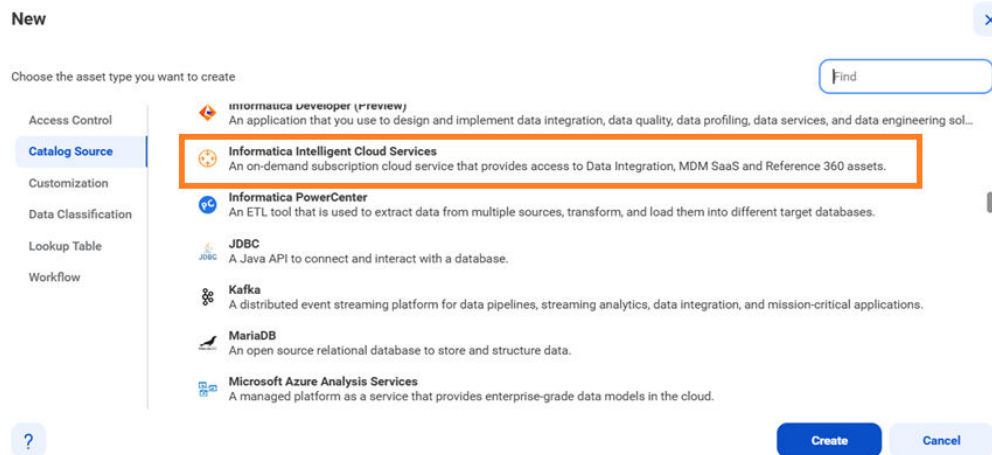
The following image shows the Metadata Command Center box on the **My Services** page:



The Metadata Command Center home page appears.

3. Click **New**.
4. Select **Catalog Source** from the list of asset types.
5. Select Informatica Intelligent Cloud Services from the list of catalog source types.

The following image shows the Informatica Intelligent Cloud Services catalog source:



6. Click **Create**.



The following image shows the Informatica Intelligent Cloud Services registration information:

**New Catalog Source**

1 Registration 2 Configuration 3 Associations 4 Schedule

**General Information**

Name: \*

Description:

**Connection Information**

Catalog Source Type: Informatica Intelligent Cloud Services

IICS URL: \* ?

IICS User: \* ?

IICS Password: \* ?

7. In the **General Information** section, enter a name and an optional description for the catalog source.

**Note:** You can rename a catalog source after you create it, but to apply the change to all associated objects you must rerun the metadata extraction job.

After you save the catalog source, you can update the description in Metadata Command Center and Data Governance and Catalog. The update appears only in the service in which you update it.

8. In the **Connection Information** area, select the connection that you created in Administrator.

**Note:** To create or edit a catalog source, you need permissions on the connection to the source system. Select a connection that you have access to, or ask the administrator to grant the necessary permissions to the connection that you want to use.

9. Click **Next**.

The **Configuration** page appears.

## Step 2. Configure capabilities

When you configure the Informatica Intelligent Cloud Services catalog source, you define the settings for the metadata extraction capability and other optional capabilities.

The metadata extraction capability extracts source metadata from external source systems. You can also configure other capabilities that the catalog source includes.

You can save the catalog source configuration at any point after you enter the connection information. After you save the catalog source, you can choose to run the catalog source job. To run the job once, click **Run**. To run metadata extraction and other capabilities on a recurring schedule, configure schedules on the **Schedule** tab.

## Configure metadata extraction

When you configure the Informatica Intelligent Cloud Services catalog source, you choose a runtime environment, define filters, and enter configuration parameters for metadata extraction.

Before you configure metadata extraction, configure runtime environments in the Informatica Intelligent Cloud Services Administrator.

1. In the **Connection and Runtime** area, choose a serverless runtime environment or the Secure Agent group where you want to run catalog source jobs.

**Note:** Serverless runtime environment options are available if the catalog source works with a serverless runtime environment.

2. Choose to retain, delete, or deprecate objects that are deleted from the source system in the catalog with the **Metadata Change Option**.
  - **Retain.** Retains objects that are deleted from the source system in the catalog. If you update or add a filter, the catalog retains objects extracted from the previous job and extracts additional objects that match the current filter. Objects deleted from the source system are not deleted from the catalog. Enrichments added on deleted objects and relationships are retained.
  - **Delete.** Deletes metadata from the catalog based on objects deleted from the source system and changes you make to the filter. Enrichments added on deleted objects and relationships are also permanently lost. Objects renamed in the source system are removed and recreated in the catalog.
  - **Deprecate.** The lifecycle of objects imported into the catalog moves to Obsolete based on objects deleted from the source system and changes you make to the filter. This does not impact enrichments added on deprecated objects and relationships. Objects renamed in the source system are removed and recreated in the catalog. When you run the catalog source job again for other capabilities such as data classification, relationship discovery, or glossary association, the job doesn't consider obsolete objects. Obsolete objects remain in the catalog until they are purged when you run a **Purge Obsolete Objects** job on the **Explore** page.

**Note:** You can also change the configured metadata change option when you run a catalog source.

3. In the **Filters** area, define one or more filter conditions to apply for metadata extraction:
  - a. Select **Yes**.
  - b. From the Include/Exclude list, choose to include or exclude metadata based on the filter parameters.
  - c. From the Object type list, select **Data Integration**, **MDM SaaS**, or **Reference 360**.
  - d. For Data Integration object type, select **All types** as the filter criteria.
  - e. For MDM SaaS object type, select **Hierarchy**, **Relationship**, or **Business Entity** as the filter criteria.
  - f. For Reference 360 object type, select **Code List** or **Hierarchy** as the filter criteria.
  - g. Click **Select**.
  - h. In the **Select Values** dialog box, enter a value to specify the object location.

The following image shows the filter condition options:

Each pattern can contain wildcards. Use a question mark to represent a single character. For example, A? matches A1, Ab. Use an asterisk to represent multiple characters. For example, A\* matches A, Ab, ABC. If an object name contains an asterisk, use double quotes. When you enter values for filters, enclose them in double quotes if you include spaces before or after the string value.

Examples:

- To include or exclude all mapping tasks located in the project named 'Project1', enter `Project1`
- To include or exclude all mapping tasks starting with the name Task\_ located in 'Project1', enter `Project1/*/Task_*`
- To include or exclude all mapping tasks starting with the name Task\_ from Folder1 located in 'Project1', enter `Project1/Folder1/Task_*`
- To include or exclude code lists with names that start with 'Enterprise' in reference data sets with names that start with 'Reference' and end with 'Set', enter `Reference*Set/Enterprise*`
- To include or exclude code lists with names that start with 'CountryCodes' followed by one character in the 'Country' reference data set, enter `Country/CountryCodes?`
- To include or exclude all hierarchies with names that start with 'HierarchyNo' followed by one character, enter `HierarchyNo?`
- To include or exclude the 'FullHierarchyName' hierarchy, enter `FullHierarchyName`
- To include or exclude all business entities with names that start with 'Objectname' located in 'Project1' or in any folder in 'Project1', enter `Project1/*/Objectname*`
- To include or exclude all relationships with names that start with 'Rel\_' followed by a single character located in 'Project1' or in any folder in 'Project1', enter `Project1/*/Rel_?`

To include or exclude multiple objects, click the **Add** icon to add filters with the OR condition.

4. Optionally, in the **Configuration Parameters** area, enter properties to override default context values and job parameters.

The following table describes the property that you enter for Catalog Source Configuration Options:

Parameter	Description
Parameter file path replacements	<p>Before you run the job, define values for the mapping parameters in the parameter file that is accessible by the Secure Agent. If the Secure Agent for Data Governance and Catalog and Data Integration run on different machines, then copy the parameter files to the Data Governance and Catalog Secure Agent machine.</p> <ul style="list-style-type: none"> <li>- In <b>Path</b>, specify the path to the parameter files for the mapping tasks. For example, <code>/cdi/agent/parameterfiles/path</code></li> <li>- In <b>Replacement</b>, specify the path to the Data Integration parameter file that you copied to the Data Governance and Catalog Secure Agent machine. For example, <code>/cdgc/agent/parameterfiles/path</code></li> </ul>

The following table describes the property that you can enter for additional settings:

**Note:** The **Additional Settings** section appears when you click **Show Advanced**.

Property	Description
Expert Parameters	Enter additional configuration options to be passed at runtime. Required if you need to troubleshoot the catalog source job. <b>Caution:</b> Use expert parameters when it is recommended by Informatica Global Customer Support.

5. Configure additional capabilities for the catalog source by clicking on the tabs.

## Configure lineage discovery

Enable the lineage discovery capability and use CLAIRE to build complete lineage by recommending endpoint catalog source objects to assign to reference catalog source connections.

1. Click the **Lineage Discovery** tab.
2. Select **Enable Lineage Discovery**.
3. In the **Filters** area, define one or more filter conditions to apply for lineage discovery.

To define filters, you can choose to select catalog source types, asset groups, or enter a catalog source name or search from a list of catalog sources.

- a. Select **Yes** to view filter options.
- b. From the Include/Exclude list, choose to include or exclude catalog sources for lineage discovery based on the filter parameters.
- c. From the filter type list, select catalog source type, catalog source name, or asset group.
- d. In the filter value field, select the required catalog source types, or click the Search button and select catalog sources or asset groups.

Filters can contain the asterisk wildcard to represent multiple characters or empty text.

The following image shows the filter condition options:

Enable Lineage Discovery: ☒

**Filters**

Specify lineage discovery filters: ☒ No ☒ Yes

> Show supported wildcards and examples

Include	Catalog Source Type	Select Catalog Source Types	+	-
Exclude	Catalog Source Name	Select Catalog Sources	+	-
Exclude	Asset Group	Select Asset Groups	+	-

Examples:

- To include or exclude all Oracle catalog sources, select **Catalog Source Type** as the filter type and select `Oracle` in the filter value field.
- To include or exclude the 'Oracle\_Retail' catalog source, select **Catalog Source Name** as the filter type and search for the catalog source or enter `Oracle_Retail` in the filter value field.

- To include or exclude all catalog sources with names that start with 'Oracle', select **Catalog Source Name** as the filter type and search for the catalog source or enter `Oracle*` in the filter value field.
- To include or exclude all catalog sources with names that end with 'Retail', select **Catalog Source Name** as the filter type and search for the catalog source or enter `*Retail` in the filter value field.
- To include or exclude all catalog sources with names that contain 'Ret', select **Catalog Source Name** as the filter type and search for the catalog source or enter `*Ret*` in the filter value field.
- To include or exclude all catalog sources that are part of the 'Financial Group' asset group, select **Asset Group** as the filter type and search `Financial Group` in the filter value field.

**Note:** You can't add more than one include or exclude filter for the same filter type.

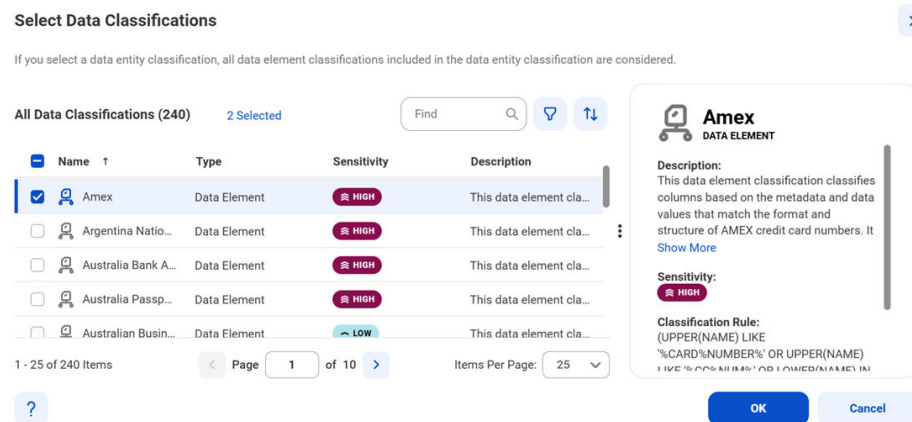
- Optionally, to define an additional filter with an AND condition, click the **Add** icon.

For more information about lineage discovery, see *Lineage discovery* in the *Administration* help.

## Configure data classification

Enable the data classification capability to identify and organize data into relevant categories based on the functional meaning of the data.

- Click the **Data Classification** tab.
  - Select **Enable Data Classification**.
  - Choose one or both of the following options:
    - **Generated Data Classifications.** CLAIRE automatically generates data classifications for the data elements.
    - **Data Classification Rules.** Choose from predefined or custom data classifications.
- Click **Add Data Classification**. The following image shows the **Select Data Classifications** dialog box:



- Select the data classifications that you want to use.
- Click **OK**.

## Configure glossary association

Enable the glossary association capability to associate glossary terms with technical assets, or to get recommendations for glossary terms that you can manually associate with technical assets in Data Governance and Catalog.

Metadata Command Center considers all published business terms in the glossary while making recommendations to associate your technical assets.

1. Click the **Glossary Association** tab.
2. Select **Enable Glossary Association**.
3. Select **Enable auto-acceptance** to automatically accept glossary association recommendations.
4. Specify the **Confidence Score Threshold for Auto-Acceptance** to set a threshold limit based on which the glossary association capability automatically accepts the recommended glossary terms.  
**Note:** Specify a percentage from 80 to 100. If the score is higher than the specified limit, the glossary association capability automatically assigns a matching glossary term to the data element.
5. Select **Enable Below-threshold Recommendations** to receive glossary association recommendations below the auto-acceptance threshold. If you enable auto-acceptance, you can enable below-threshold recommendations to receive glossary recommendations below the auto-acceptance threshold.
6. Specify the **Confidence Score Threshold for Recommendations** to set a threshold based on which the glossary association capability makes recommendations  
If you enable auto-acceptance, specify a percentage from 80 to the selected auto-acceptance threshold. You can accept or reject the recommended glossary terms that fall within this range in Data Governance and Catalog.  
If you disable auto-acceptance, specify a percentage from 80 to 100 inclusive.
7. Choose to automatically assign business names and descriptions to technical assets. You can then choose to retain existing assignments and only assign business names and descriptions to assets that don't have assignments, or allow overwrite of existing assignments.  
By default, existing assignments are retained.
8. Optional. Choose to ignore specific parts of data elements when making recommendations. Select **Yes** and enter prefix and suffix keyword values as needed.  
Click **Select** to enter a keyword. You can enter multiple unique prefix and suffix keywords. Keyword values are case insensitive.
9. Optional. Choose specific top-level business glossary assets to associate with technical assets. Selecting a top-level asset selects its child assets as well. Select **Top-level Glossary Assets** and specify the assets on the **Select Assets** page.
10. Optional. Choose to use abbreviations and synonym definitions from lookup tables for accurate glossary association. Select **Yes** to enable, and then click **Select** to upload a lookup table.
11. Click **Next**.  
The **Associations** page appears.

## Step 3. Associate stakeholders and asset groups

Associate users or user groups within a stakeholder role as stakeholders for technical assets in Data Governance and Catalog. Also, you can choose to assign technical assets extracted from the catalog source

to asset groups. You can then use access policies to control permissions on assets that are assigned to asset groups.

Verify that the administrator assigned users and user groups to the stakeholder role that you want to associate with technical assets.

1. To associate users or user groups as stakeholders with technical assets extracted from the catalog source, perform the following steps:

- a. On the **Associations** page, click **Stakeholders**.
- b. Select **Assign Stakeholders**.
- c. Select a stakeholder role.
- d. Click **Select** to add users and user groups from the stakeholder role as stakeholders for the technical assets.

The **Add Users & User Groups** dialog box displays a list of users and user groups assigned to the selected stakeholder role.

	Full Name	Email	User Name	Status
<input type="checkbox"/>	gov owner_09			Active

? OK Cancel

- e. Select one or more users or user groups to assign as stakeholders for the technical assets, and click **OK**.

Only the selected users and user groups belonging to the specified stakeholder role are granted the permissions to technical assets.

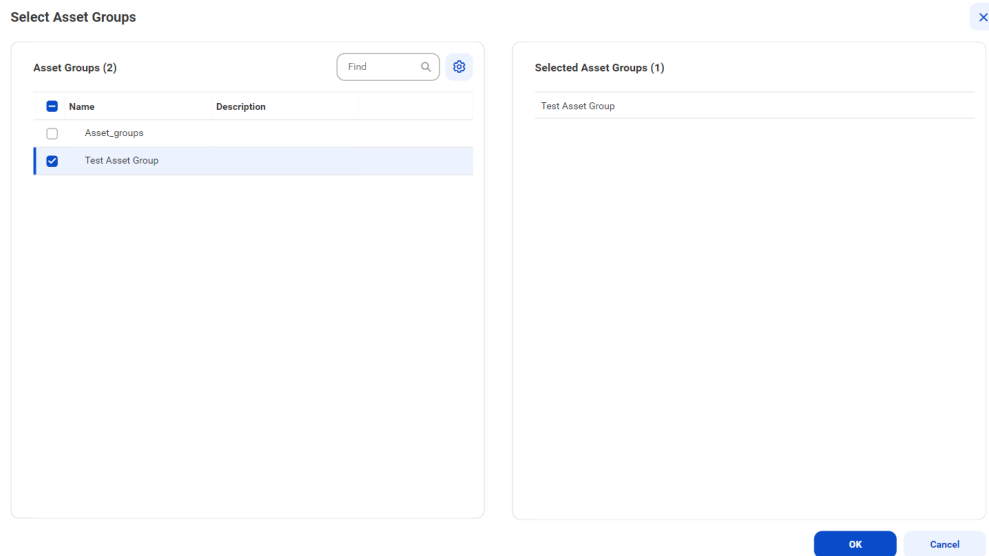
- f. To assign users or user groups from another stakeholder role, click **Add** and then repeat the steps.
2. To assign asset groups to technical assets extracted from the catalog source, perform the following steps:

- a. On the **Associations** page, click **Asset Groups**.
- b. Select **Assign Asset Groups**.
- c. Click **Select**.

The **Select Asset Groups** dialog box displays the list of asset groups.

If you enabled an access policy that includes an asset group, you can only view assets that belong to that asset group.

3. Select the asset groups to which you want to assign technical assets extracted from the catalog source, and click **OK**.



4. Choose to save and run the job or to schedule a recurring job.
  - To save and run the job, click **Save** and then **Run**.
  - To schedule a recurring job, click **Next** to open the **Schedule** page.

## Step 4. Run or schedule the job

Choose to run a catalog source job manually, or configure it to run on schedule.

**Note:** You can't run multiple jobs simultaneously.

You can choose to perform a full or an incremental metadata extraction. A full metadata extraction extracts all objects from the source to the catalog. An incremental metadata extraction extracts only the changed and new objects since the last successful catalog source job run. Incremental metadata extraction doesn't remove deleted objects from the catalog and doesn't extract metadata of code-based objects if applicable.

When you run an incremental metadata extraction job with a filter to include metadata from objects, the job extracts only the objects that have the latest timestamp since the last successful job.

**Note:** The incremental extraction option appears if it is available for the catalog source.

### Run the job manually

Click **Save** to save the catalog source and click **Run**. On the **Run Catalog Source Job** window, click **Run** to run the job.

You can override the capabilities that you selected while configuring your catalog source on the **Configuration** page. The first time you run the catalog source job, the metadata extraction capability is mandatory. From the second run onwards, you can choose to override the configured metadata change option. You can retain, delete, or deprecate objects that are deleted from the source in the catalog. For subsequent runs of the catalog source job, the metadata extraction capability is optional.

**Note:** You can choose incremental metadata extraction for subsequent runs only after one full metadata extraction job completes successfully. Incremental metadata extraction jobs run with the **Retain** metadata change option even if you set the option to **Delete** or **Deprecate** in the catalog source.



**Note:** To run a catalog source job, you need permissions on the connection to the source system. To run a catalog source job for catalog sources that reference other source systems, you need permissions on the connections for all the reference source systems.

### Run the job on a schedule

You can choose to run metadata extraction and other capabilities on a recurring schedule. You can't choose incremental metadata extraction and full metadata extraction in the same schedule. To create a schedule for incremental metadata extraction, you must have completed at least one full metadata extraction job successfully. If not, first create a schedule for a full metadata extraction.

If an incremental metadata extraction is scheduled to run when the last run details aren't available, the job first performs a full metadata extraction, followed by incremental metadata extraction on subsequent runs.

For example, this can happen in the following scenarios:

- You create schedules for both incremental metadata extraction and full metadata extraction, but schedule the incremental extraction to run before the first full metadata extraction job.
- You create schedules for both incremental metadata extraction and full metadata extraction, but delete the full metadata extraction schedule before its first run.

1. On the **Schedule** tab, select **Run on Schedule**.  
The **Schedule** configuration page opens.
2. Click the checkbox corresponding to each capability that you want to include in the schedule.
3. Enter the start date, time zone, and the interval at which you want to run the job.
4. You can manage additional schedules using the following options:
  - To create a new schedule, click the **Add** button.
  - To delete a schedule, click the **Delete** button.
  - To enable or disable a schedule, click the **Enable Schedule** toggle button.

**Note:** You can create a maximum of one schedule per capability that you enable. If you purged a catalog source or did not run the metadata extraction job, the catalog source job runs metadata extraction before running other scheduled capabilities.

**Note:** To create a schedule, you need permissions on the connection to the source system. If you lose permissions on the connection after you create a schedule, the scheduled jobs continue to run.

5. Click **Save** to save the schedule.

### Monitor job status

After the job runs, you can monitor the status of the job on the **Overview** page of the job.

For more information about job monitoring, see *Administration*.

## Step 5. Assign reference catalog source connections to endpoint catalog source objects

When you run the catalog source job, if the catalog source references another source system, a reference catalog source and connection get created that point to the reference source system. To view the complete lineage for your catalog source, you can perform connection assignment from the reference catalog source connection to the objects in the reference source system. A reference source system might be a database,

such as Oracle. You must first create and run an endpoint catalog source that connects to the reference source system.

**Important:** The first job that runs is a connectionless scan and might result in a partial or incomplete lineage. To perform a connection-aware scan, after the first job completes, assign connections and run the job again.

**Note:** You can view the lineage with reference objects without creating a connection assignment. After connection assignment, you can view the actual objects.

1. On the **Configure** page, select the **Lineage** tab, and then select the **Lineage Discovery** tab. On the **Catalog Sources** panel, select the required catalog source and click the **Assign Connections** tab.

The **Assign Connections** tab displays a list of assigned and unassigned connections along with details for each connection. Use filters to view the connections based on the connection names. Click the **Add Filter** menu to add filters.

2. Select the connection to the reference source system and click **Assign**.

The connection name appears prefixed to the reference catalog source name on the **Hierarchy** tab of your catalog source in Data Governance and Catalog.

The **Assign Connection** dialog box appears with a list of recommended objects from the endpoint catalog sources. Click **All** to view all endpoint catalog source objects.

3. Select one or more endpoint objects to assign to the selected connection and click **Assign**.

You can filter the list in the **Assign Connection** dialog box by name, type, or endpoint.

The following table lists the types of reference source systems that you can connect to and the class type that the endpoint objects must belong to:

Reference source system	Endpoint object class type
Amazon Redshift	Database
Amazon S3	Bucket
File System	File System <b>Note:</b> You can connect to Microsoft Excel and flat files in File System source systems.
Google BigQuery	Database
IBM Db2 for LUW	Database
Microsoft Azure Blob Storage	Container
JDBC	Database
Microsoft Azure Data Lake Storage Gen2	Container
Microsoft Azure Synapse Data Warehouse	Database
Microsoft Fabric Data Lakehouse	Database
Microsoft Fabric Data Warehouse	Database
Oracle	Database

Reference source system	Endpoint object class type
Microsoft SQL Server	Database
PostgreSQL	Database
SFTP File System	File System
Salesforce	Organization
Snowflake	Database
Teradata Database	Database
Workday	Organization
MDM SaaS	Project

When you click **Assign**, Metadata Command Center creates links between matching objects in the connected catalog sources, and it calculates the percentage of matched and unmatched objects. The higher the percentage of matched objects, the more accurate the lineage that you view in Data Governance and Catalog.

4. Run the catalog source job again. If you configured the catalog source job to run on a regular schedule, the next scheduled run picks up the updated details. If you didn't configure a schedule, run the catalog source job again to view complete lineage.

## CHAPTER 4

# View results in Data Governance and Catalog

After Metadata Command Center runs a job, you can view the results in Data Governance and Catalog where the catalog source and its elements are called technical assets. You can view a catalog source as a hierarchy. Expand each technical asset to see its components.

When referenced source systems are connected to a catalog source, you can expand the hierarchy to see details about the technical asset's component elements.

You can view the data lineage of an asset contained within a catalog source to see individual elements such as data sources, calculations, and filters. When you view data lineage, you can see the individual upstream elements that contribute data or expressions to each component of a data flow or catalog source.

## View metadata extraction results

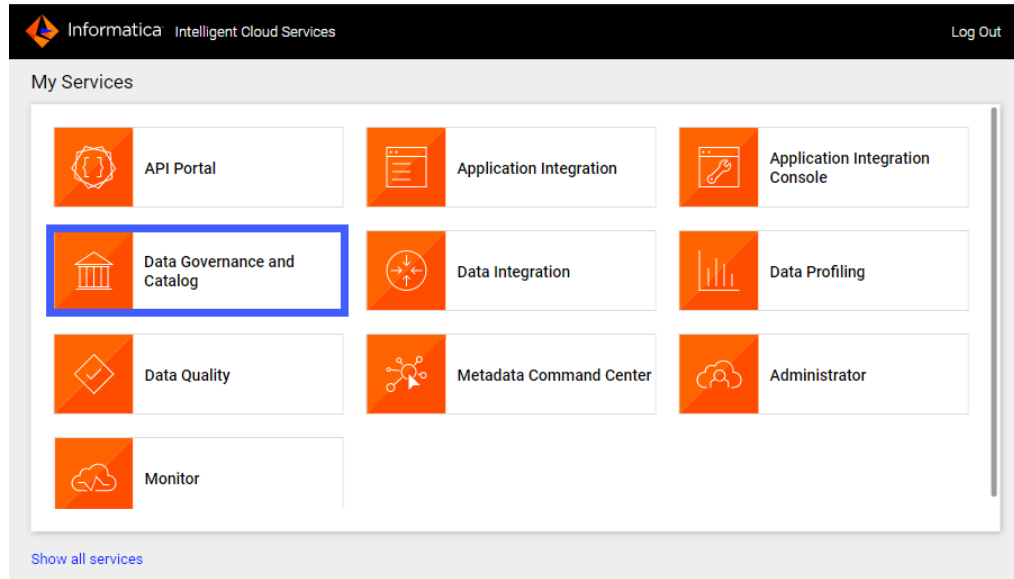
After a job runs in Metadata Command Center, view the results in Data Governance and Catalog. You can view details about source system contents as hierarchical displays and trace data lineage.

1. Log in to Informatica Intelligent Cloud Services.

The **My Services** page appears.

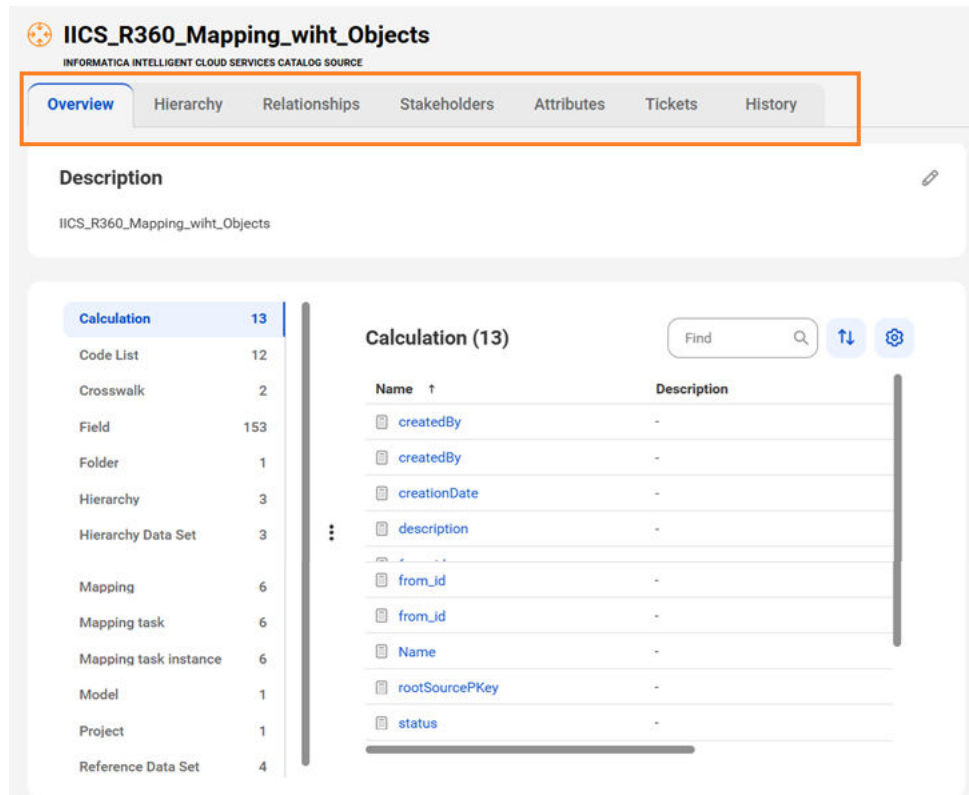
2. Click Data Governance and Catalog.

The following image shows the Data Governance and Catalog box on the **My Services** page:



3. On the Data Governance and Catalog home page, click the number in the **Technical Assets** panel.  
The **Technical Assets** page opens.
4. Select **Catalog Source** in the **Filter** list.  
The list of catalog sources opens.
5. Search for the catalog source from which you extracted metadata, and click the name.  
The **Overview** tab of the asset opens.

The following image shows a sample asset page:



6. View the asset from different perspectives by clicking on the tabs.

**Note:** You can view the calculation properties such as expression, control conditions, and calculation complexity in the **Overview** tab of a calculation asset.

For more information about working with assets, see *Working with Assets* in the Data Governance and Catalog help.

## View referenced source systems

Drill down into the referenced source systems that are referenced by catalog sources.

1. Browse to the catalog source that you want to view.
2. Click the **Hierarchy** tab to view the catalog source as a hierarchy.
3. Find an asset with the type **Reference Catalog Source**.

The following image shows an expanded view of a referenced catalog source:

Name	Type	Description
> B360_QE	Project	-
▼ IICS_Resource_IICS-RS	Reference Catalog Source	-
▼ IICS-RS	Reference Data source	-
▼ employee	Reference Data Set	-
@ deptid	Reference Data element	-
@ empid	Reference Data element	-
> IICS_Resource_S3_hawkqe	Reference Catalog Source	-
> IICS_Resource_ADLS_e2e	Reference Catalog Source	-
> IICS_Resource_IICS-TERADATA	Reference Catalog Source	-

4. Click to expand the referenced source to see its components.

## View data lineage

Data lineage is a visual representation of the flow of data across the systems in your organization. Lineage depicts how the data flows from the system of its origin to the system of its destination.

Data lineage views are available for technical assets in the catalog source. You can view lineage at the catalog source, data set, or data element level.

The lineage at the catalog source level shows how data flows from one catalog source to another. The lineage at the data set and the data element levels show how other technical assets such as files or tables contribute to the selected asset.

If linking catalog sources is available for your catalog source, you can use Metadata Command Center to generate data lineage based on rules or by generating automated lineage with CLAIRE. You can choose source and target catalog sources and objects to link and generate lineage.

To determine whether linking catalog sources is available for your catalog source, navigate to the **Configuration** tab of the **Link Catalog Sources** page. The catalog source must appear in the list of source and target catalog sources.

For information about linking catalog sources, see *Link catalog sources* in the Administration help.

### View lineage at the catalog source level

The catalog source level shows how data flows from one catalog source to another with the lineage aggregating data from the data set and data element levels.

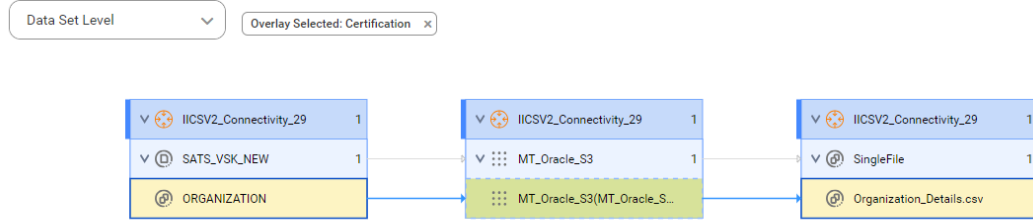
To view data lineage at the catalog source level, open a technical asset, click the **Lineage** tab, and then verify that the level is set to **Catalog Source Level**.

### View lineage at the data set level

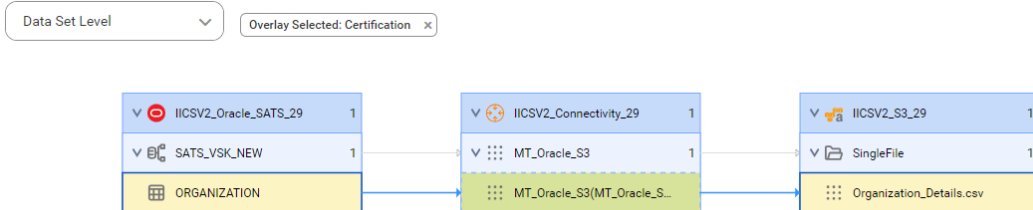
The data set level is a view that shows individual sets of data in the data flow.

To view lineage at the data set level, open a technical asset, click the **Lineage** tab, and then verify that the level is set to **Data Set Level**.

The following image shows how the target file gets data from the source table before connection assignment:



The following image shows how the target file gets data from the source table after connection assignment:

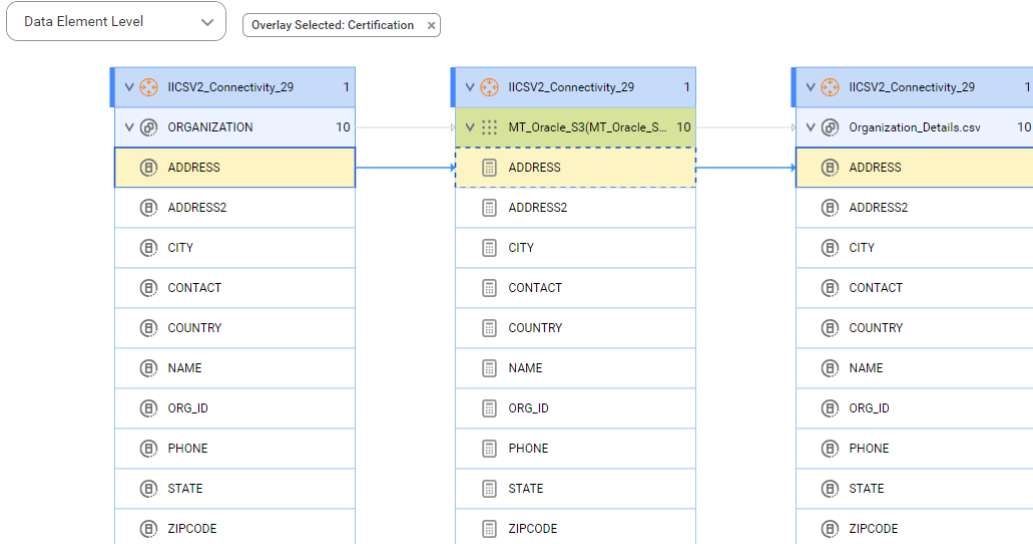


## View lineage at the data element level

The data element level displays details of the data set level. At the data element level, you can see the input sources for expressions or commands and calculations or transformations on the data.

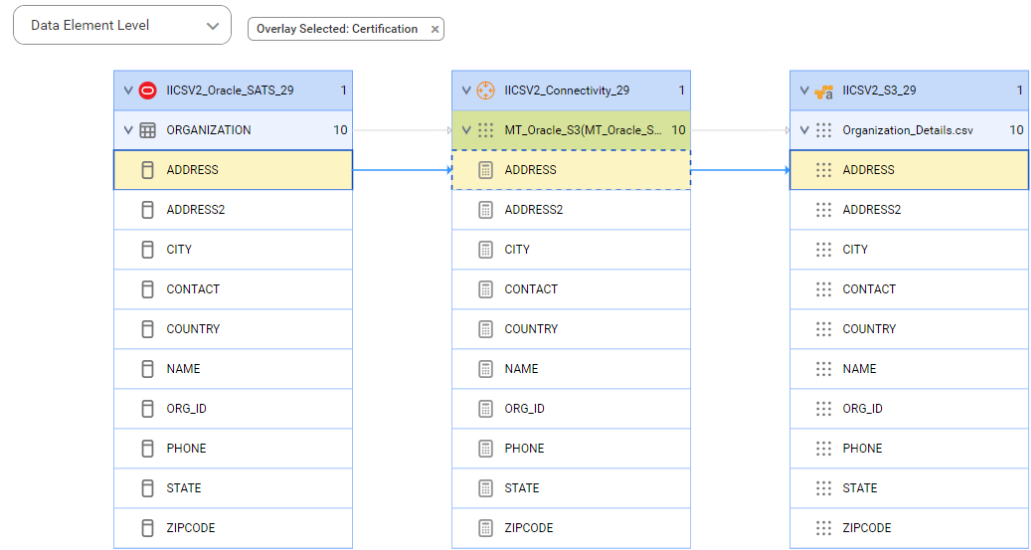
To view data lineage at the data element level, open a technical asset, click the **Lineage** tab, and then verify that the level is set to **Data Element Level**.

The following image shows how the target file column gets data from the source table column before connection assignment:





The following image shows how the target file column gets data from the source table column after connection assignment:



# View classified data

When you add data classification rules to a catalog source in Metadata Command Center, the system identifies the columns and tables that match the rules and displays one or more matched data classifications on the column or table asset pages in Data Governance and Catalog.

The following image shows a column asset page with the inferred data element classifications that match the column data and metadata:

Overview

Lineage

Relationships

Data Quality

Stakeholders

Properties

Tickets

History

Catalog Source Definition

Glossaries

Accepted (0)

Click here to add Glossary assets

CLAIRE Recommendations (1)

BEYONDWE

Declined (0)

No declined Glossary assets.

Data Element Classifications

Accepted (1)

Amex

Declined (0)

No declined Classification assets.

For more information about data classification assets, see *Asset Details* in the Data Governance and Catalog help.

# View glossary associations

When you enable the glossary association capability for a catalog source in Metadata Command Center, you can view the accepted glossary assets in Data Governance and Catalog.

The **Overview** tab for a technical asset in the catalog source displays glossary assets in the Accepted and CLAIRE Recommendations sections.

The **Glossaries** panel shows the automatically accepted and CLAIRE® recommended terms.

The following image shows a sample asset page:

