

## Configure Informatica Cloud Data Integration-Free through Databricks Partner Connect

## Abstract

You can install Informatica Cloud Data Integration-Free through Databricks Partner Connect. The organization you create is automatically configured to load data to your Databricks lakehouse.

## Supported Versions

- Informatica Intelligent Cloud Services May 2024

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## Overview

You can install Informatica Cloud Data Integration-Free and set up an organization through Databricks Partner Connect.

Databricks automatically sets up a Data Integration-Free organization. Data Integration-Free recognizes that your organization was created through Partner Connect and automatically configures a connection to your Databricks lakehouse. You can use this connection to load data to your Databricks lakehouse.

## Intended audience

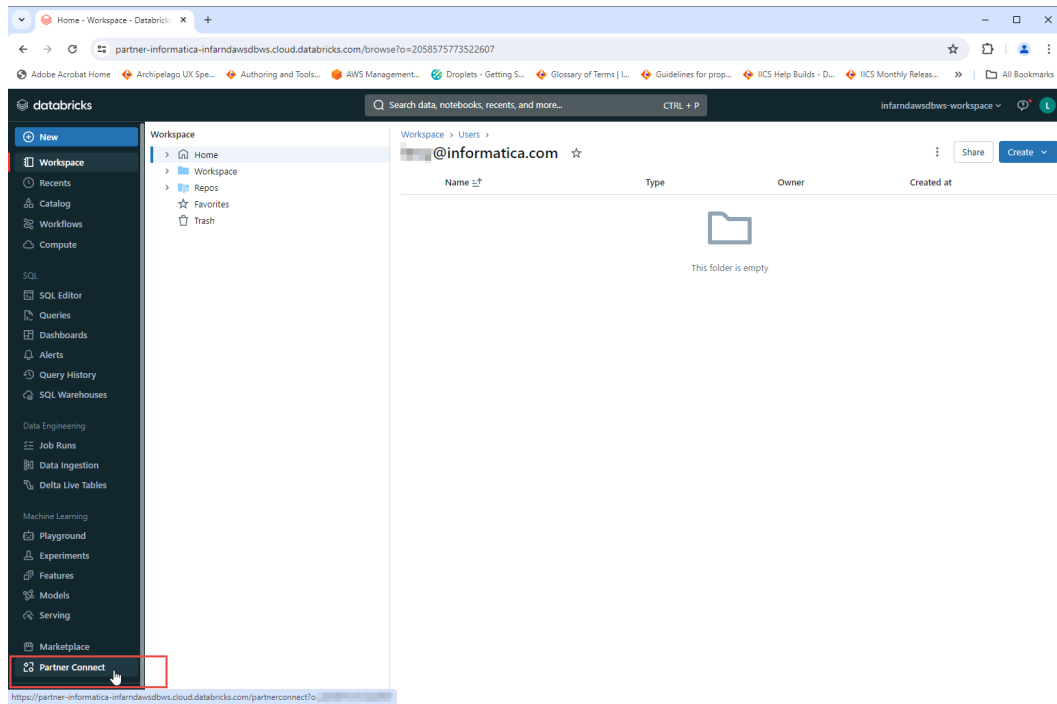
This article is written for users that are familiar with Databricks Partner Connect. Users should have a basic understanding of partner connectors.

## Configuring Data Integration-Free

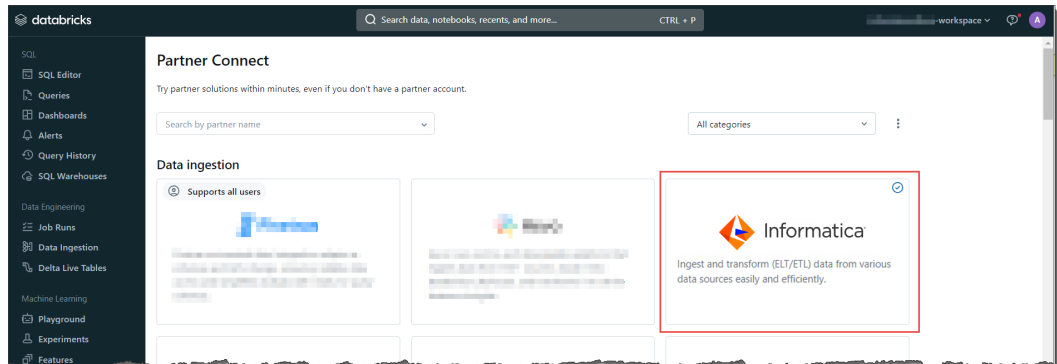
You can configure Data Integration from Partner Connect.

1. Log in to [Databricks Partner Connect](#).

2. Select **Partner Connect** from the navigation menu on the left.




3. Under **Data ingestion**, select the **Informatica** tile.



4. Select the appropriate catalog and click **Next**.

## Connect to partner ×

 Informatica

Ingest and transform (ELT/ETL) data from various data sources easily and efficiently.

Select a catalog for Informatica Cloud Data Integration to write to

**Catalog**


Privileges granted on catalog databricks\_demo\_pc: USE CATALOG CREATE SCHEMA

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Next Cancel

5. Select the schema you want to use and click **Add**.

## Connect to partner ×

 Informatica

Ingest and transform (ELT/ETL) data from various data sources easily and efficiently.

Choose the schemas that you want to use with Informatica Cloud Data Integration.

**SQL warehouse**

**Catalog**  **Schema**

Add

**i** Informatica Cloud Data Integration requires that the same catalog is used for reading and writing data.


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Next Back

You must use the same catalog for reading and writing data.

- Verify the privileges for the catalog and schema and click **Next**.

## Connect to partner ×

 Informatica

Ingest and transform (ELT/ETL) data from various data sources easily and efficiently.

Choose the schemas that you want to use with Informatica Cloud Data Integration.

SQL warehouse

✓ RnD\_... Pro 2XS

Catalog Schema

📁 databricks\_demo\_pc 🔒 📁 default Add

ⓘ Informatica Cloud Data Integration requires that the same catalog is used for reading and writing data.


The following privileges will be granted

Object	Privileges
<span>📁 databricks_demo_pc</span>	USE CATALOG CREATE SCHEMA
<span>📁 default</span>	USE SCHEMA SELECT

×

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Next Back



7. Verify the resources and click **Next**.

## Connect to partner ×

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Informatica

Ingest and transform (ELT/ETL) data from various data sources easily and efficiently.  
By clicking Next, Databricks will create the following resources.


User ⓘ	INFORMATICA_CLOUD_DATA_INTEGRATION_USER
	<code>USE CATALOG</code> <code>CREATE SCHEMA</code> on databricks_demo_pc
Privileges	<code>USE SCHEMA</code> <code>SELECT</code> on databricks_demo_pc.default
	<code>CAN USE</code> on RnD_██████████_SqlWh
Personal access token ⓘ	<Autogenerated and managed>

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NextBack

8. Enter your email address and click **Connect to Informatica Cloud Data Integration**.

## Connect to partner ✕



Databricks has created resources to connect with Informatica Cloud Data Integration. To sign in to your Informatica Cloud Data Integration account, click **Connect to Informatica Cloud Data Integration**.

Email

Connection details ▼

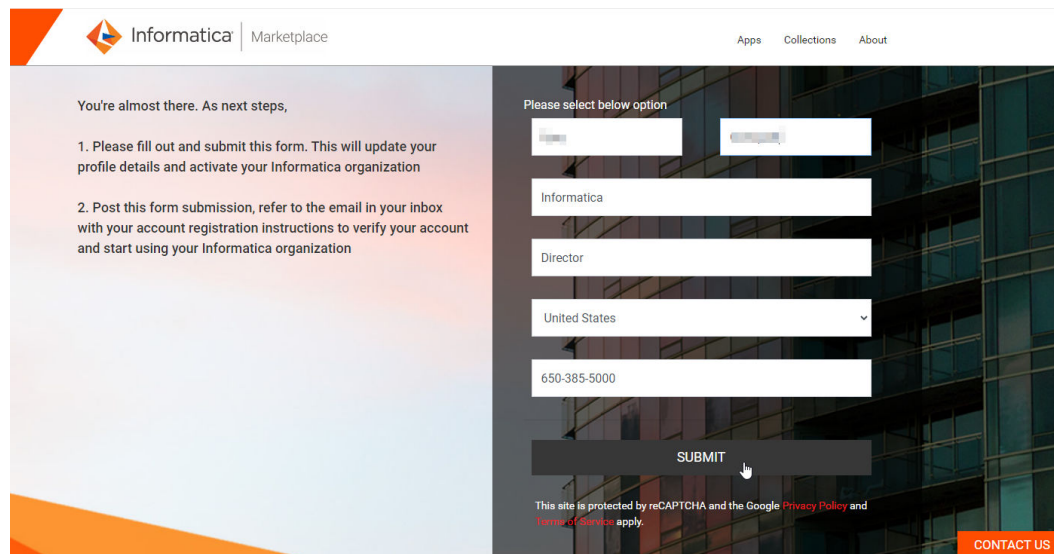
By clicking **Connect to Informatica Cloud Data Integration**, you are instructing Databricks to provide all of the above information in connection details in addition to your name and email address to Informatica Cloud Data Integration. Informatica Cloud Data Integration's processing of this information and your use of Informatica Cloud Data Integration's products and services are governed solely by Informatica Cloud Data Integration's [terms and conditions](#) and Informatica Cloud Data Integration's [privacy policy](#) and not your agreement with Databricks. Please contact Informatica Cloud Data Integration support if you have questions about connecting with Informatica Cloud Data Integration prior to continuing.

**Connect to Informatica Cloud Data Integration**

The email address you enter will become the username for the administrator account in your Informatica Intelligent Cloud Services organization.

After you click **Connect to Informatica Cloud Data Integration**, you'll be taken to the Data Integration sign-up page.

9. On the Informatica **Marketplace** page, enter your information, and then click **Submit**.



The screenshot shows the Informatica Marketplace registration page. The header includes the Informatica logo and 'Marketplace' text, with navigation links for 'Apps', 'Collections', and 'About'. The main content area is split into two columns. The left column contains instructions: 'You're almost there. As next steps, 1. Please fill out and submit this form. This will update your profile details and activate your Informatica organization 2. Post this form submission, refer to the email in your inbox with your account registration instructions to verify your account and start using your Informatica organization'. The right column is a registration form with the following fields: 'Please select below option' (with two radio buttons), 'Informatica' (text input), 'Director' (text input), 'United States' (dropdown menu), and '650-385-5000' (text input). A 'SUBMIT' button is at the bottom of the form. A footer note states: 'This site is protected by reCAPTCHA and the Google Privacy Policy and Terms of Service apply.' A 'CONTACT US' button is in the bottom right corner.

Your Informatica Intelligent Cloud Services organization will be created. You'll also receive an email from Informatica asking you to verify your account.

10. In the email you receive, click **Verify me now**.
11. On the Informatica Intelligent Cloud Services **Create Your Account** page, enter your password, security question, and security question answer, and then click **Submit**.
12. When prompted to receive periodic updates about products, solutions, and events, choose **Yes** or **No**.  
You'll be logged into Data Integration.

## Creating a mapping to load data to Databricks

To load data from your data source to your Databricks lakehouse, you create a mapping. A mapping defines reusable data flow logic that you can use to load data to Databricks. When you download and install Data Integration through Partner Connect, a connection to your Databricks destination is automatically configured for you.

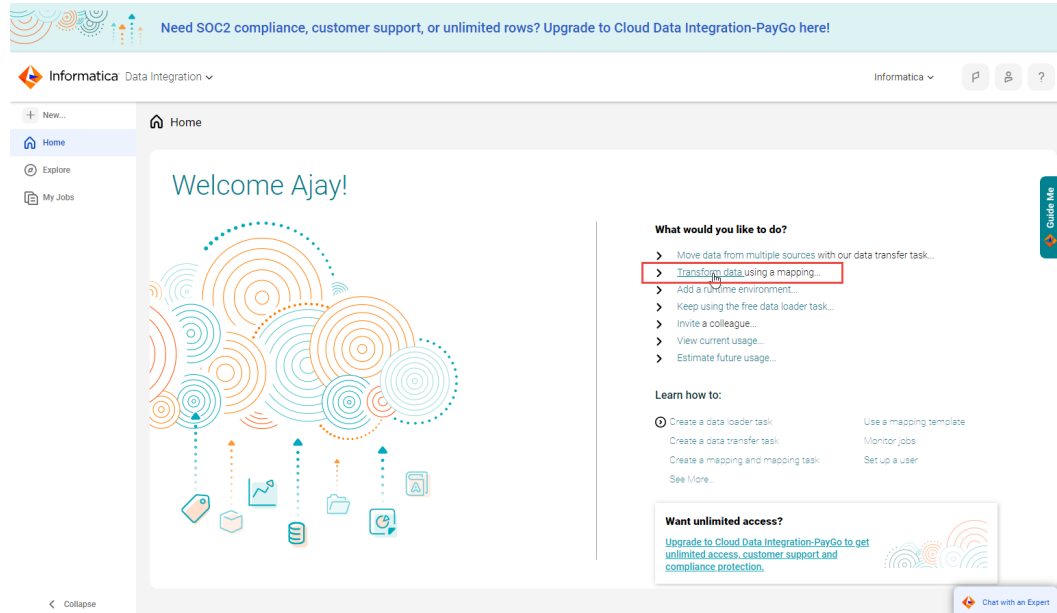
A mapping needs a runtime environment. A runtime environment is the execution platform that runs Informatica Intelligent Cloud Services assets such as tasks and taskflows. You must have at least one runtime environment in your organization so that you can run tasks.

If you're reading data from a cloud data warehouse, you can use the Informatica Cloud Hosted Agent as your runtime environment. The Hosted Agent is managed by Informatica and is already installed for you.



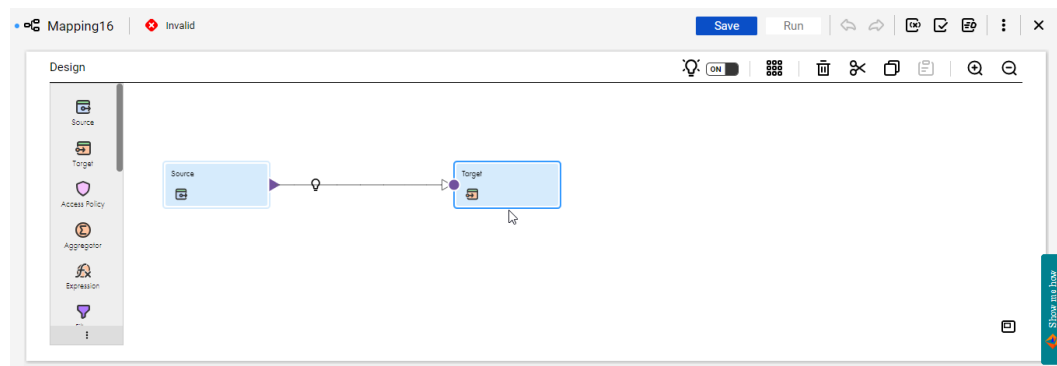
If you're reading data from an on-premises or other type of data source, you can download and install a Secure Agent from the **Home** page or from the **Runtime Environments** page in Administrator. For more information, see [Configuring a runtime environment](#) in the *Getting Started* guide.

1. From the **Home** page in Data Integration, choose **Transform data using a mapping**.



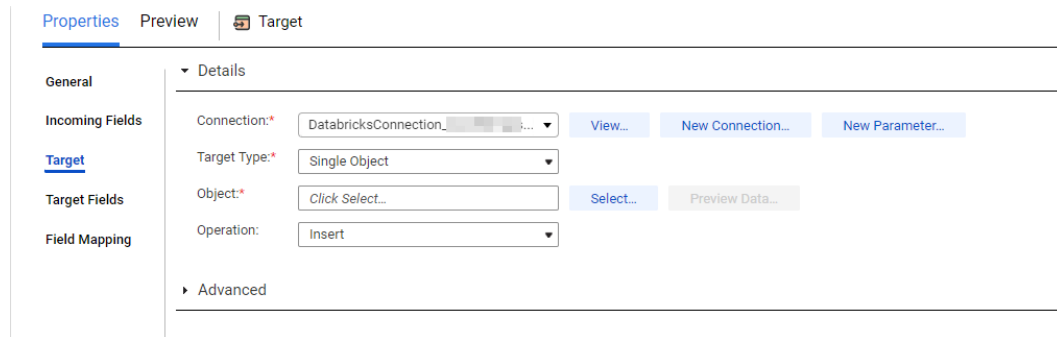
You can also choose **New > Mapping** from the navigation menu on the left.

2. In the Mapping Designer, select the Target transformation.



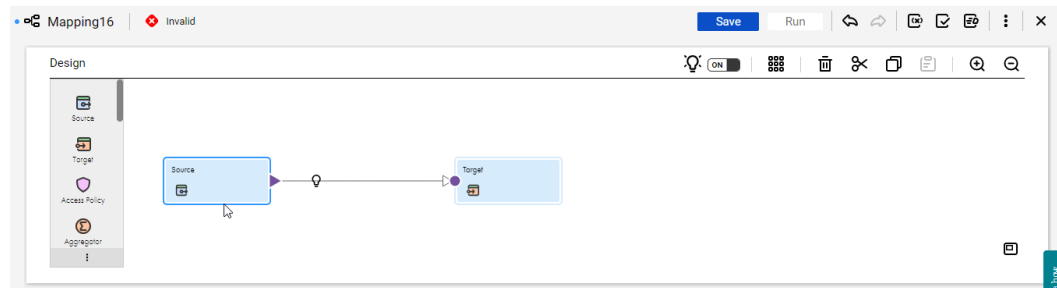
The Target transformation represents your data destination.

3. On the **Target** tab, choose the connection to your Databricks destination.



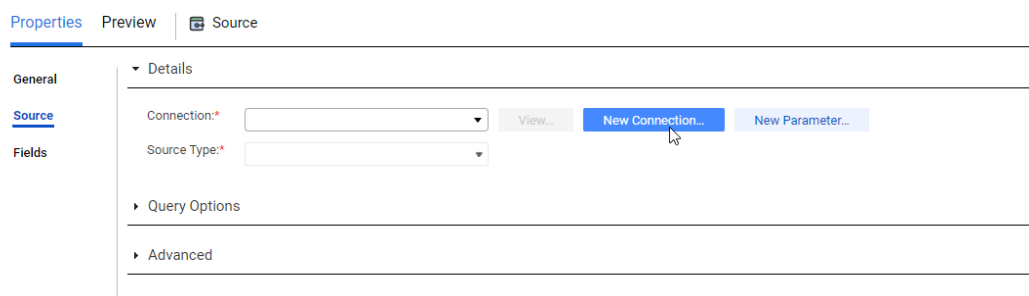
Note that the connection is created for you based on the catalog you chose when you installed Data Integration from Partner Connect.

4. Click **Select** next to **Object**, choose the table that you want to load data to, and click **OK**.  
Note that the schema you chose when you installed Data Integration appears in the **Packages** list.
5. In the Mapping Designer, select the Source transformation.



The Source transformation represents your data source. The source is the table or object that you're reading the data from.

6. On the **Source** tab, select **New Connection**.



7. Enter a connection name and choose the type, for example, Google BigQuery V2.

**New Connection** X

Create a connection to access a database, file, application, or platform. To create a connection with actual data, select Actual Data, enter the connection properties, and click OK. To use sample data, select Sample Data.

Connect to:  Actual Data  Sample Data

**Connection Details**

Connection Name:\*

Description:

Type:\*

Runtime Environment:\*

Service Account Email

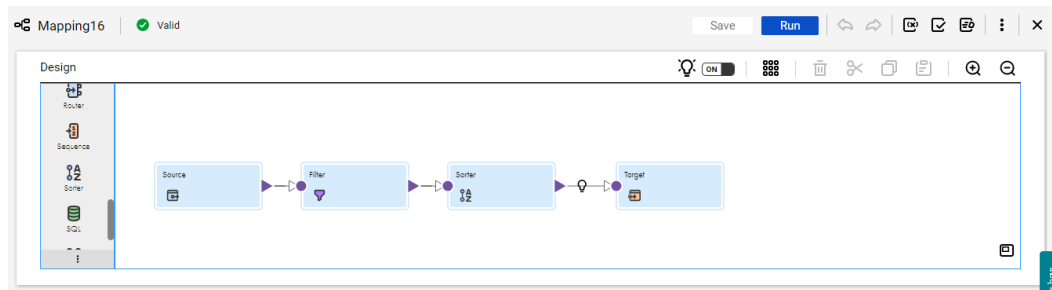
Service Account Key

Project ID\*

▶ **Advanced Settings**

Type	Google BigQuery V2
Runtime Environment	The name of the runtime environment where you want to run tasks. Select a Secure agent, Hosted Agent, or serverless runtime environment.
Service Account Email	The client_email value from the Google service account key JSON file.
Service Account Key	The private_key value from the Google service account key JSON file.
Project ID	The project_id value from the Google service account key JSON file. If you have created multiple projects with the same service account, enter the ID of the project that contains the

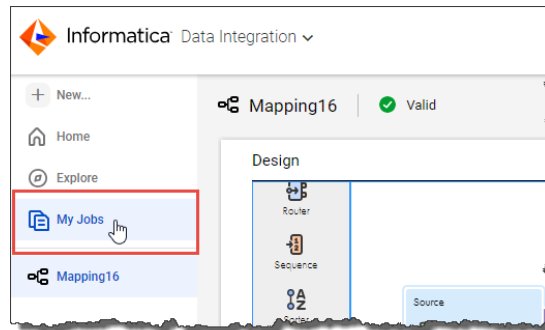
8. Select a runtime environment and enter the connection details.  
If you're reading data from a cloud data warehouse, you can select the Informatica Cloud Hosted Agent. Otherwise, you'll need to create a runtime environment before you can create the connection. For more information, see [Configuring a runtime environment](#) in the *Getting Started* guide.
9. Click **Test** to test the connection to your data source.
10. When the connection is successful, click **OK**.  
Data Integration creates a connection to the data source.
11. Click **Select** next to **Object**, choose the table or object that you want to read data from, and click **OK**.
12. Enter the source details, if required.  
The source details vary based on the connection type.
13. Optionally, add transformations to the mapping.



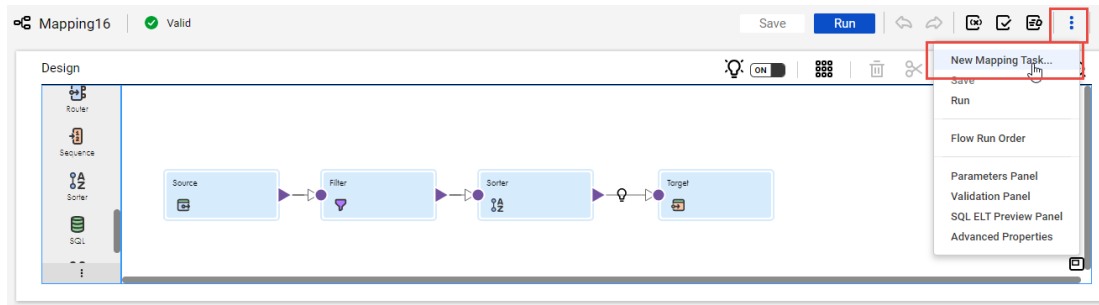
14. Click **Save** to save and validate the mapping.

15. Click **Run** to run the mapping.

To monitor the mapping run, select **My Jobs** in the navigation menu on the left.



When the mapping runs successfully, you can create a mapping task to run the mapping on demand or on a schedule.



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