



Informatica® Data Integration - Free & PayGo  
April 2023

# Introduction

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# Preface

Read *Introduction* to learn about the tasks you can perform using Informatica Intelligent Cloud Services<sup>SM</sup> Data Integration.

## CHAPTER 1

# Introducing Informatica Cloud® Data Integration-Free and PayGo

Cloud Data Integration- Free and PayGo is a single data integration and data management solution that scales to fit your needs and budget. Use it to easily extract, transform, and load small or large data sets to a cloud data warehouse quickly and securely at no cost or low cost.

Cloud Data Integration-Free and PayGo provides complete, easy-to-use capabilities for your cloud data integration and data management projects. You can use pre-built templates or create customized assets that read your data from a source, transform it based on your needs, and load it to your desired target location. You can take advantage of in-product assistance and community support to help you along the way.

Use the following details to help you choose between the Free and PayGo editions:

- Data Integration-Free. Provides full data integration capabilities but has monthly usage limits. Includes community access but not technical support.
- Data Integration-PayGo. Provides full data integration capabilities without monthly usage limits. Your monthly charges vary based on your usage. Includes community access and technical support.

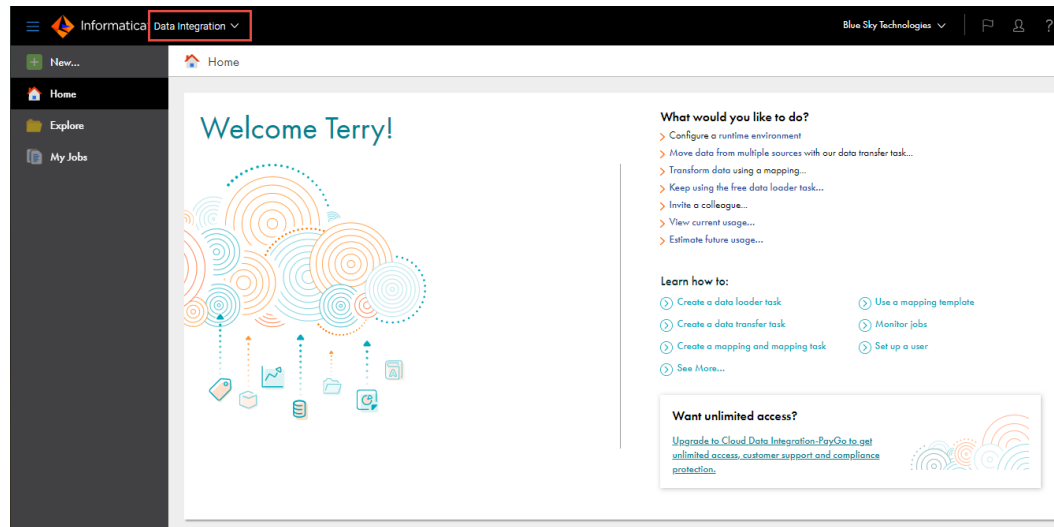
Upgrade from Data Integration-Free to Data Integration-PayGo whenever you'd like by clicking the link on the **Home** page and entering your payment information.

**Note:** Effective in the November 2022 release, Data Integration-Free and Data Integration-PayGo are available for preview.

Preview functionality is supported for evaluation purposes but is unwarranted and is not supported in production environments or any environment that you plan to push to production. Informatica intends to include the preview functionality in an upcoming release for production use, but might choose not to in accordance with changing market or technical circumstances. For more information, contact Informatica Global Customer Support.

When you log in to either edition, the Data Integration **Home** page opens by default. Data Integration is where you create your data integration projects and run the tasks that move and transform your data.

The following image shows the **Home** page:

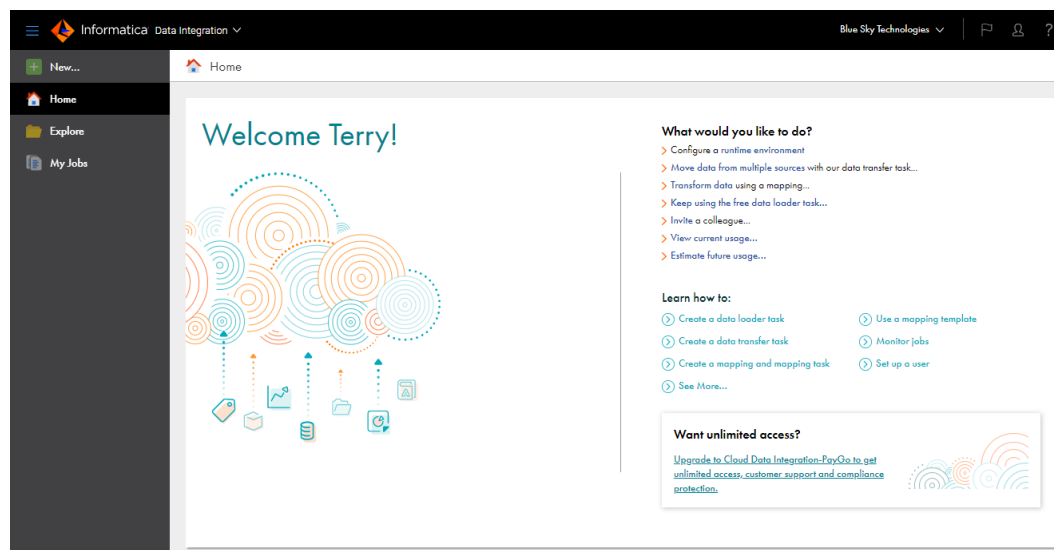


If you click **Data Integration** in the upper left corner, you can open the Administrator and Monitor services, which allow you to manage your organization and monitor your data integration projects.

## Data Integration

Use Data Integration to create your data integration projects and run the tasks that move and transform your data.

The following image shows the Data Integration **Home** page:



Use the navigation menu on the left to open the following pages:

- **New.** Create mappings that define how to transform your data and tasks that move and transform your data. Create reusable mapping components. Create taskflows that can run multiple tasks in a series or in parallel.

- **Home.** Configure a runtime environment on Microsoft Azure. Create a mapping or task. Invite colleagues to join your organization. View your current and estimated future usage. View videos to help you get started.
- **Explore.** Find and organize your mappings and tasks.
- **My Jobs.** View the status of the jobs you're currently running or have run.

For more information about Data Integration, see the *Data Integration* section of the help.

## Data integration tasks

Create data integration tasks to move and transform your data.

You can create the following types of tasks:

### Mapping tasks

Mapping tasks process data based on the data flow logic defined in a mapping.

A mapping reads data from one or more sources, transforms the data based on logic that you define, and writes it to one or more targets. Create a mapping when you need to augment or manipulate your data before you load it to a target. For example, if you need to aggregate data, calculate values, perform complex joins, normalize data, or route data to different targets, you can create a mapping to do this.

A mapping task runs the data flow logic that you've defined in the mapping. Choose this task type after you've created a mapping so that you can run the data flow logic defined in the mapping.

### Data transfer tasks

Data transfer tasks move data from one or two sources to a target. You can also choose to sort and filter the data before you load it to the target.

Choose this task type when you want to transfer data from a source object, optionally add fields from a second source object, and write the data to a new or existing target object without changing the source data. For example, if you want to move customer records from an on-premises database table to a table in your cloud data warehouse, create a data transfer task.

### Data loader tasks

Data loader tasks provide secure data loading from multi-object sources to corresponding objects in your cloud data warehouse. They can load data incrementally and provide support for schema drift.

To optimize performance, data loading occurs in parallel batches. To fine-tune the data, you can exclude certain objects and fields and also apply some simple filters. If your source data changes frequently, you can load only new and changed records each time the task runs.

Choose this task type when you need to ingest data as-is from multiple objects into your cloud data warehouse. For example, if you need to repeatedly load all the data from files in an Amazon S3 bucket to corresponding tables in Snowflake Data Cloud, create a data loader task.

If you have more complex data integration projects, you can create taskflows to run mapping and data transfer tasks serially or in parallel.

For more information about data integration tasks, see *Tasks*. For more information about taskflows, see *Taskflows*.

## Connectors

Data Integration can use a wide variety of connectors for data integration. You use connectors to create connections that provide access to data in cloud and on-premise applications, platforms, databases, and flat files.

Data Integration also provides several test connectors that you can use when you want to test your mappings and tasks using sample data rather than your actual data.

In Data Integration, some mapping and task settings are connector-specific. For more information, see the help for the relevant connector.

## Administrator

Use the Administrator service to perform administrative tasks for your organization such as configuring runtime environments, connections, and schedules and viewing asset and security logs.

To open Administrator, select it from the **My Services** page.

The following image shows the **Organization** page in Administrator:

The screenshot shows the Informatica Administrator interface. On the left is a navigation menu with options: Organization, Metering, Runtime Environ..., Connections, Schedules, and Logs. The main content area is titled 'Blue Sky Technologies' and 'Specify the organization details.' It is divided into two columns: 'Overview' and 'Address'. The 'Overview' column contains fields for Name (Blue Sky Technologies), ID (3KImRQXWuadqSSTf-VA1), Environment Type (Production), Description, and Number of Employees (Fewer than 10 employees). The 'Address' column contains fields for Address 1, Address 2, Address 3, City, State, Zip Code, and Country (United States). Below these fields is a 'History' section showing 'Created By: ma', 'Updated By: ma', 'Created On: Sep 16, 2022, 9:36 AM', and 'Updated On: Sep 16, 2022, 9:36 AM'. At the bottom is an 'Authentication' section.

Use the navigation menu on the left to open the following pages:

- **Organization.** Manage organization details such as your organization's name and address, authentication settings, time zone, and whether to enable CLAIRE recommendations.
- **Metering.** View your organization's usage details and estimate your future usage and costs.
- **Runtime Environments.** Manage your organization's runtime environments. Download and install a Secure Agent.
- **Connections.** Create and manage the connections that are available to all users in your organization.
- **Schedules.** Create and manage the schedules that you use for running tasks.
- **Logs.** View the asset and security logs for your organization.

For more information about Administrator, see the *Administrator* section of the help.

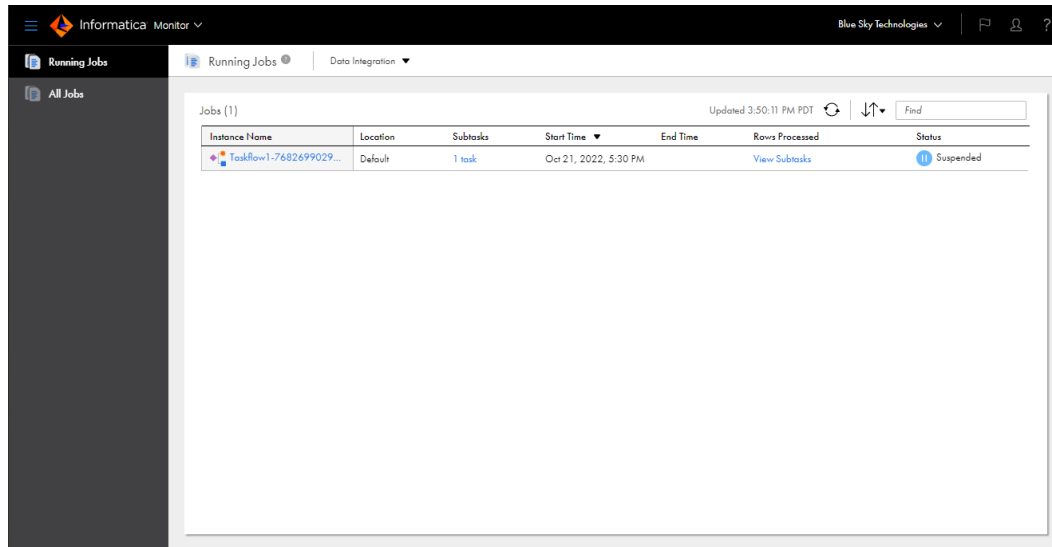


# Monitor

Use Monitor to monitor the jobs you and other users in your organization are running or have run. A job is an instance of a mapping, task, or taskflow.

To open Monitor, select it from the **My Services** page.

The following image shows the **Running Jobs** page in Monitor:



Use the navigation menu on the left to open the following pages:

- **Running Jobs.** Provides runtime details about the Data Integration jobs that are running or have completed within the last five minutes.
- **All Jobs.** Provides details about all Data Integration jobs in the organization, including jobs that are running, completed successfully, or failed.

To view details about a specific job, click the job name.

For more information about monitoring your jobs, see the *Monitor* section of the help.

## Informatica Intelligent Cloud Services security

Informatica Intelligent Cloud Services uses authentication and encryption to ensure that data is secure and available only to users within the organization. Informatica Intelligent Cloud Services uses industry approved algorithms to encrypt sensitive information. All customer data is encrypted at rest using an AES-256 key. Data in transit is encrypted using the TLS 1.2 protocol.

For more information, see the [Informatica Intelligent Cloud Services Trust Center](#).

## CHAPTER 2

# Data integration tools

Informatica Intelligent Cloud Services provides the following tools that you can use to satisfy your data integration business needs:

- Projects
- Assets
- Templates
- Explore page

## Projects

Informatica Intelligent Cloud Services assets are organized in projects. You can create multiple folders within a project to contain the assets that you need for your project.

For example, you might have a business need to provide monthly analyses of your company's sales activity. You create a project called Monthly Sales Analysis. You create folders that contain the assets that you use on a monthly basis to integrate data from various systems to perform your analysis.

The types of assets that you use in your projects depends on the services that you use. For example, a Data Integration project can include assets such as mappings, tasks, and taskflows.

## Assets

In Data Integration, assets are mappings, taskflows, and tasks such as mapping tasks, data transfer tasks, and data loader tasks. Assets also include components such as mapplets, user-defined functions, and shared sequences.

Create the assets you need to satisfy your business needs. Templates are available for certain asset types. You can use a template as-is, or you can use it as head start and customize it to meet your needs.

You can use assets in multiple projects. All assets must be part of at least one project. If you create an asset without specifying a project, the asset is created in the Default project.

# Templates

When you create assets such as mappings, mapping tasks, or taskflows, you can either create the asset from scratch or use a template. Data Integration offers a variety of data manipulation templates to jump-start your project. Templates include pre-built logic that you can use for data integration, cleansing, and warehousing tasks.

To help you create assets quickly, Data Integration provides the following types of templates:

## Mapping templates

Mapping templates are mappings in which the transformation logic and required parameters are defined for you. Data Integration provides mapping templates for integrating data, cleansing data, and loading slowly changing dimension tables. For example, the **Merge two data sources** mapping template is a mapping that merges two sources so that if a field in one source is empty, the value from the other source is used.

Create a mapping from a template when you want to reuse the logic in one of the template mappings, but you also want to customize the mapping to meet your needs. When you finish the mapping, create a mapping task to run it.

For example, you want to merge two sources so that if a field in one source is empty, the value from the other source is used. However, you also need to sort the data before loading it to the target. Create a mapping based on the **Merge two data sources** mapping template, and add a Sorter transformation to sort the data before loading it to the target. Then, create a mapping task to run the mapping.

## Mapping task templates

Mapping task templates are mapping tasks that are based on the template mappings. Use a mapping task template when you want to run one of the template mappings without changing the transformation logic. When you create the mapping task, you only need to supply the runtime information such as the runtime environment, source and target information, and values for other mapping parameters.

For example, you want to augment data from a relational source with additional fields from a reference table. Create a mapping task based on the **Augment Data with Lookup** template. In the mapping task wizard, enter the runtime information such as the runtime environment, source table, target table, lookup table, and lookup condition.

## Taskflow templates

Taskflow templates are taskflows that contain common control flow logic.

Use taskflow templates to organize tasks in common ways such as sequentially, in parallel, or based on a decision. When you create a taskflow based on a template, the flow is pre-defined. Add and remove tasks to reflect the actual task flow.

# Explore page

Use the **Explore** page to work with your Informatica Intelligent Cloud Services projects and assets.

## Finding projects and assets on the Explore page

Use any of the following methods to find your projects and assets on the **Explore** page:

- Explore by projects and folders. View all projects or select a particular project.

- Explore by asset types. View all assets or view assets of a particular type.
- Explore by tags. View assets associated with a particular tag.
- Search for projects or assets. To search all projects, folders, and assets in the organization, view the **Explore** page by **All Projects**, and then enter a name or description in the Find box. Or, to narrow your search, view the **Explore** page by **Asset Types** and select an asset type from the **All Assets** list. Then, in the Find box, enter a name or description in full or part.
- Sort the search results. Sort the **Explore** page by name, asset type, last update date, create date, or description. When you sort by type, the **Explore** page groups assets by asset type. It does not list the asset types in alphabetical order.
- Filter the objects on the page. To filter objects, click the **Filter** icon. To apply a filter, click **Add Field**, select the property to filter by, and then enter the property value. The filters available depend on how you view the page. You can specify multiple filters.  
For example, to find all the assets in your organization with the tag SW Region, view the **Explore** page by **All Assets** and then click the **Filter** icon. Add the **Tags** filter and enter "SW Region."

**Tip:** Filtering is available on other pages in addition to the **Explore** page.

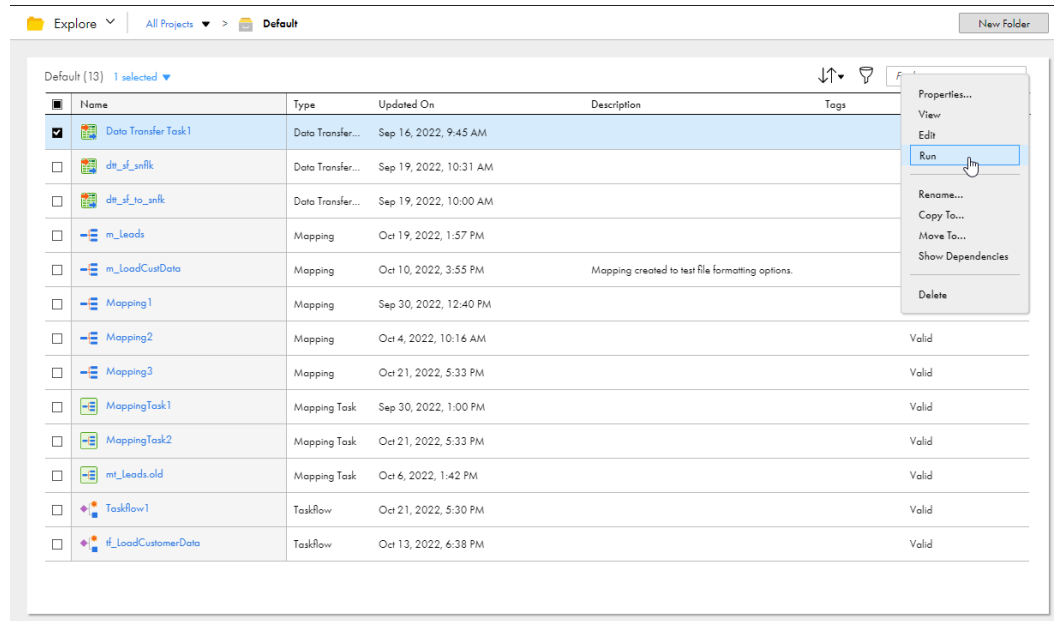
You can see projects, folders, and assets for all of the services that you use. If you select an asset to open it or perform an action, and the asset is created in a different service than the one you have open, the service opens in a new browser tab.

You can't use the following characters:

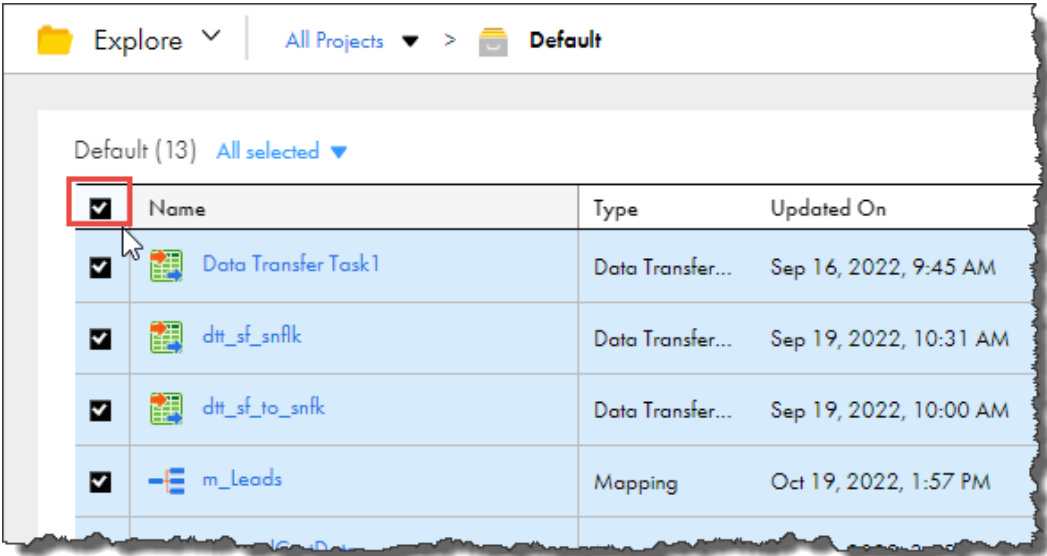
# ? ' | { } " ^ & [ ] / \

## Working with projects and assets on the Explore page

Perform actions on projects, folders, and assets on the **Explore** page. To see what actions you can perform on an object, in the row that contains the object, click the **Actions** icon, as shown in the following image:

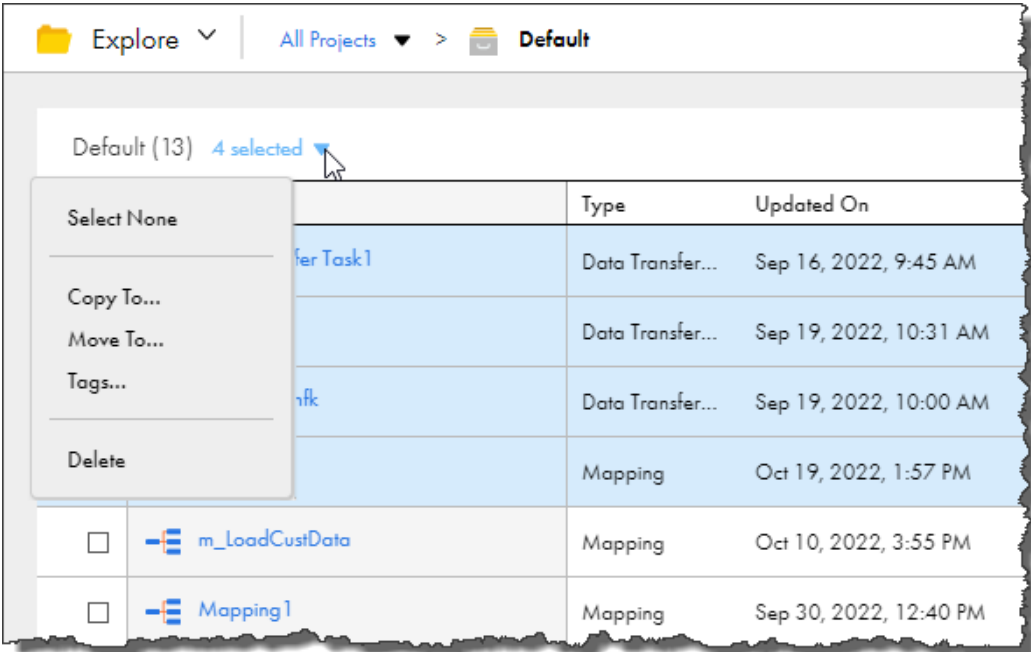


You can also perform an action on multiple objects at one time. Select the check box to the left of each object, or select the Select All check box to select all of the objects that are displayed on the current page. The following image shows the Select All check box in use:



After you select the objects, click **Actions** in the row of any of the selected objects.

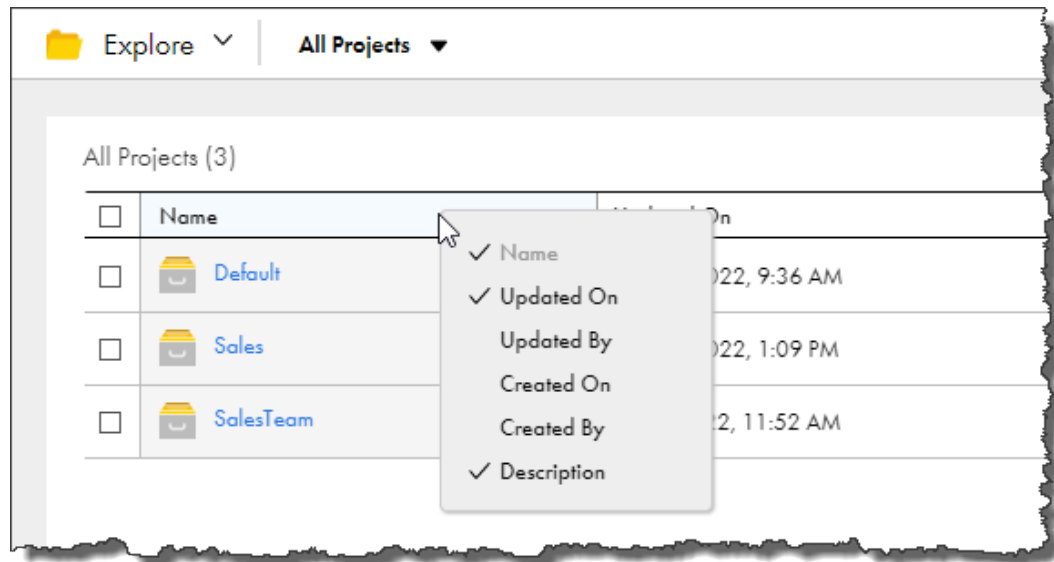
Alternatively, you can use the Selection menu to choose the action, as shown in the following image:



### Customizing the Explore page

You can display, hide, or rearrange columns on the **Explore** page. To display or hide columns, right-click the column heading area and select or clear the column headings in the list. The headings in the list depend on whether projects, assets, or tags are in view on the **Explore** page.

In the following example, the **Updated By**, **Created On**, and **Created By** columns will be hidden when **All Projects** is selected:



To rearrange columns, click a column heading and drag it to a different location.

## CHAPTER 3

# Informatica resources

In addition to the online help, you can find information about Informatica Intelligent Cloud Services using the following resources.

## Informatica Intelligent Cloud Services web site

You can access the Informatica Intelligent Cloud Services web site at <http://www.informatica.com/cloud>. This site contains information about Informatica Cloud integration services.

## Informatica Intelligent Cloud Services Communities

Use the Informatica Intelligent Cloud Services Community to discuss and resolve technical issues. You can also find technical tips, documentation updates, and answers to frequently asked questions.

Access the Informatica Intelligent Cloud Services Community at:

<https://network.informatica.com/community/informatica-network/products/cloud-integration>

Developers can learn more and share tips at the Cloud Developer community:

<https://network.informatica.com/community/informatica-network/products/cloud-integration/cloud-developers>

## Informatica Intelligent Cloud Services Marketplace

Visit the Informatica Marketplace to try and buy Data Integration Connectors, templates, and maplets:

<https://marketplace.informatica.com/>

# Informatica Intelligent Cloud Services Trust Center

The Informatica Intelligent Cloud Services Trust Center provides information about Informatica security policies and real-time system availability.

You can access the trust center at <https://www.informatica.com/trust-center.html>.

Subscribe to the Informatica Intelligent Cloud Services Trust Center to receive upgrade, maintenance, and incident notifications. The [Informatica Intelligent Cloud Services Status](#) page displays the production status of all the Informatica cloud products. All maintenance updates are posted to this page, and during an outage, it will have the most current information. To ensure you are notified of updates and outages, you can subscribe to receive updates for a single component or all Informatica Intelligent Cloud Services components. Subscribing to all components is the best way to be certain you never miss an update.

To subscribe, go to <https://status.informatica.com/> and click **SUBSCRIBE TO UPDATES**. You can then choose to receive notifications sent as emails, SMS text messages, webhooks, RSS feeds, or any combination of the four.

## Informatica Product Availability Matrices

Product Availability Matrices (PAMs) indicate the versions of the operating systems, databases, and types of data sources and targets that a product release supports. You can browse the Informatica PAMs at <https://network.informatica.com/community/informatica-network/product-availability-matrices>.

## Informatica Documentation

Use the Informatica Documentation Portal to explore an extensive library of documentation for current and recent product releases. To explore the Documentation Portal, visit <https://docs.informatica.com>.

If you have questions, comments, or ideas about the product documentation, contact the Informatica Documentation team at [infa\\_documentation@informatica.com](mailto:infa_documentation@informatica.com).

## Data Integration connector documentation

You can access documentation for Data Integration Connectors at the Documentation Portal. To explore the Documentation Portal, visit <https://docs.informatica.com>.

## Informatica Knowledge Base

Use the Informatica Knowledge Base to find product resources such as how-to articles, best practices, video tutorials, and answers to frequently asked questions.



To search the Knowledge Base, visit <https://search.informatica.com>. If you have questions, comments, or ideas about the Knowledge Base, contact the Informatica Knowledge Base team at [KB\\_Feedback@informatica.com](mailto:KB_Feedback@informatica.com).

## Informatica Global Customer Support

You can contact a Customer Support Center by telephone or online.

For online support, click **Submit Support Request** in Informatica Intelligent Cloud Services. You can also use Online Support to log a case. Online Support requires a login. You can request a login at <https://network.informatica.com/welcome>.

The telephone numbers for Informatica Global Customer Support are available from the Informatica web site at <https://www.informatica.com/services-and-training/support-services/contact-us.html>.

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