



Informatica® Cloud Data Profiling
May 2022

Monitor

Informatica Cloud Data Profiling Monitor

May 2022

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Preface

Use *Monitor* to learn how to view and monitor jobs, imports, and exports that are running or have run in Data Profiling.

Informatica Resources

Informatica provides you with a range of product resources through the Informatica Network and other online portals. Use the resources to get the most from your Informatica products and solutions and to learn from other Informatica users and subject matter experts.

Informatica Network

The Informatica Network is the gateway to many resources, including the Informatica Knowledge Base and Informatica Global Customer Support. To enter the Informatica Network, visit <https://network.informatica.com>.

As an Informatica Network member, you have the following options:

- Search the Knowledge Base for product resources.
- View product availability information.
- Create and review your support cases.
- Find your local Informatica User Group Network and collaborate with your peers.

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.

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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 Velocity

Informatica Velocity is a collection of tips and best practices developed by Informatica Professional Services and based on real-world experiences from hundreds of data management projects. Informatica Velocity represents the collective knowledge of Informatica consultants who work with organizations around the world to plan, develop, deploy, and maintain successful data management solutions.

You can find Informatica Velocity resources at <http://velocity.informatica.com>. If you have questions, comments, or ideas about Informatica Velocity, contact Informatica Professional Services at ips@informatica.com.

Informatica Marketplace

The Informatica Marketplace is a forum where you can find solutions that extend and enhance your Informatica implementations. Leverage any of the hundreds of solutions from Informatica developers and partners on the Marketplace to improve your productivity and speed up time to implementation on your projects. You can find the Informatica Marketplace at <https://marketplace.informatica.com>.

Informatica Global Customer Support

You can contact a Global Support Center by telephone or through the Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<https://www.informatica.com/services-and-training/customer-success-services/contact-us.html>.

To find online support resources on the Informatica Network, visit <https://network.informatica.com> and select the eSupport option.

CHAPTER 1

Monitoring Data Profiling jobs

In Data Profiling, you can monitor data profiling jobs and view the logs created for import asset and export asset operations. To monitor jobs, you need the Administrator, Designer, or Monitor user role.

When you run a data profiling task or when you perform an action on the profile results, Data Profiling creates a job. Based on the profile options you choose for a profile run, one or more subtasks are created for each job. The job statistics appear on the **My Jobs** page. The page lists the running and completed jobs.

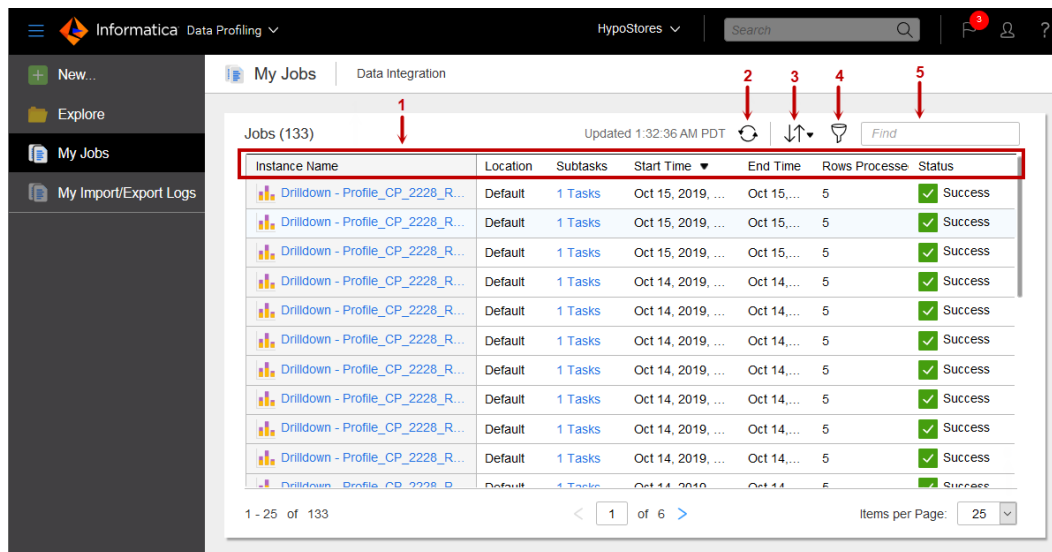
To ensure that the information on this page is current, the service polls the Informatica Intelligent Cloud Services repository every five seconds. Information can become out-of-date when a job status changes or when a user starts a job.

Data Profiling creates logs when you import or export assets. You can monitor your imports and exports on the **My Import/Export Logs** page. For information about monitoring imports and export in Monitor, see *Monitor* in the Monitor help.

My Jobs page

On the **My Jobs** page, you can monitor the jobs for the data profiling tasks that you run. The page lists the data profiling jobs that were run within the last three days and the 1000 most recent jobs that are more than three days old.

The following image shows the **My Jobs** page in Data Profiling and the actions that you can perform on the page:



1. View. Right-click a property name to choose the properties that you want to view on the page.
2. Refresh. Refresh the page to view the current information about the jobs.
3. Sort. Choose a property to sort the properties in ascending or descending order.
4. Filter. Add one or more properties and enter values to filter the results.
5. Find. Enter a keyword to search for results.

The status message at the top of the page indicates whether the information on the page is up-to-date. If the information is out-of-date, the status message displays **Updates Available**. To refresh the page, click the **Updates Available** message or the **Refresh** icon.

When a job completes, you can drill down on the job to view the job details. To drill down on a job, click the instance name.

For more information about monitoring jobs, see *Monitor* in the Monitor help.

Job properties

The **All Jobs**, **Running Jobs**, and **My Jobs** pages display the job properties such as the name, start time, and status. You can right-click the column heading area to display or hide specific properties.

By default, the following properties are displayed for each data profiling job:

Property	Description
Instance name	Name of the job.
Location	Project and folder path where the task exists.
Subtasks	Shows the number of subtasks created for the job. To view the job properties, click the entry in this column. To close the subtask view, click Data Integration from the menu at the top of the page.
Start time	Date and time that the job was started.
End time	Date and time that the job completed or stopped. Does not apply to running jobs.

Property	Description
Rows processed	Number of source rows processed by the job.
Status	<p>Job status. A job can have one of the following states:</p> <ul style="list-style-type: none"> - Starting. The job is starting. - Running. The job is still running. - Success. The job completed successfully. - Warning. The job completed with errors. - Failed. The job did not complete because it encountered errors. <p>When a job is in Running status, a Stop icon appears in the Status property. Click the icon to stop the job.</p>

You can display the following additional properties by right-clicking in the column heading area:

Property	Description
Asset name	Name of the data profiling task.
Asset type	Type of asset that is associated with the job. For data profiling task jobs, this column displays "Data Profiling Task."
Runtime environment	Runtime environment in which the job ran.
Duration	Amount of time the job ran before it completed or was stopped.
Success rows	Number of source rows processed successfully by the job.
Failure rows	Number of source rows that failed for the job.
Started by	Name of the user or schedule that started the job.
Error message	Error message, if any, that is associated with the job.

When you click an instance name, the job details for the data profiling job appears. The job details include the instance name, asset name, asset type, started by, start time, end time, duration, state, and error message.

Subtask types

When you run a data profiling task, a job instance is created for the profile run. Data Profiling creates subtasks based on the options that you choose for the profile run.

To view the subtasks for a job, click the subtask link in the **Subtasks** column. The subtasks created for the job appears.

Data Profiling creates the following subtasks based on the profile options that you choose for the profile run:

Subtask Name	Description
Fetching the source row count	Fetches the row count for the profile run. This subtask is created only once for a profile run.
Generating data profiling mappings	Gathers statistics based on the advanced options that you choose for the profile run. This subtask is created only once for a profile run.
s_profiling	Runs the profile and saves the results to a secure and encrypted staging area. This subtask is created multiple times based on the advanced options for the data profiling task. For information about the advanced options, see <i>Data Profiling</i> . The staging area is a temporary location in the Informatica Intelligent Cloud Services repository.
Loading data from staging area to metric store	Loads the data from the staging area to the metrics store. This subtask is created only once for a profile run. The metrics store is located in the Informatica Intelligent Cloud Services repository where the encrypted profile results are stored. When you choose a profile run number to view the results, the service gets the profile results from the repository.

To view the details for each subtask, click the subtask link in the **Instance Name** column. The subtask details include instance name, asset name, asset type, started by, start time, end time, duration, state, and error message. Additional details appear for the s_profiling subtask which include processed rows, success rows, error rows, and session log. Click the **Download Session Log** to download the session log file.

You can view the runtime environment and the Secure Agent for the following subtasks in Data Profiling, Monitor, and Operational Insights:

- Fetching the source row count
- s_profiling
- Drilldown
- Query

Note: The Runtime Environment field displays the name of the Secure Agent Group.

You can view the following details for the Secure Agent in the session log file for the profile mapping jobs:

- Task Name. The name of the profiling task.
- Agent Group Id. The ID of the Secure Agent Group.
- Agent Group Name. The name of the Secure Agent Group.
- Agent Id. The ID of the Secure Agent.
- Agent Name. The name of the Secure Agent.

Stopping and restarting data profiling jobs

You can stop and restart data profiling jobs. Stop a job on the **All Jobs**, **Running Jobs**, or **My Jobs** page. Restart a job on the **All Jobs** or **My Jobs** page or from the job details.

You can perform the following actions:

Stop a job.

You can stop a data profiling job that is running or queued.

To stop a job, open the **All Jobs**, **Running Jobs**, or **My Jobs** page. Then click the **Stop** icon in the row that contains the job that you want to stop.

Restart a job.

You can restart a data profiling job that has failed.

To restart a job on the **All Jobs** or **My Jobs** page, click the **Restart** icon in the row that contains the job that you want to restart.

To restart a job from the job details, click **Restart** at the top of the page.

Downloading a log file

You can download the log file for a data profiling job that has completed or failed.

1. In Monitor, select **All Jobs** or **Running Jobs**, or in Data Profiling, select **My Jobs**.
2. Click the number of subtasks in the **Subtasks** column to open the subtask view.
3. Click **s_profiling** subtask.
4. In the **Results** area, click **Download Session Log**.

My Import/Export Logs page

Each time you import or export assets in Data Profiling, the service creates a log file. The log files help you to monitor running, failed, and completed jobs. You can monitor the log files on the **My Import/Export Logs** page.

To view properties for an import or export instance, click the **Import** or **Export** tab at the top of the **My Import/Export Logs** page. To view detailed information about an import or export job, click the import or export job instance name.

For more information about log files, see *Monitor* in the Monitor help.

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