



Informatica® Data Integration - Free & PayGo  
April 2023

# Monitor

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Publication Date: 2023-04-04

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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 your organization. *Monitor* also contains information about downloading log files to troubleshoot errors.

## 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 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).

### 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 mapplets:

<https://marketplace.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 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.

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## 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>.

# CHAPTER 1

## Monitoring jobs

You can monitor the jobs that are running or have run in your organization. A job is an instance of an asset such as a Data Integration mapping, task, or taskflow. Each time that you start the mapping, task, or taskflow, Informatica Intelligent Cloud Services creates a job to run it.

You can monitor jobs on the following pages:

### **All Jobs page**

Lists all jobs that are running or that have run in your organization. For most job types, you can stop and restart the job on this page. You can also download log files for some job types.

To open the **All Jobs** page, in Monitor, select **All Jobs**.

### **Running Jobs page**

Lists all jobs that are running or have completed within the last five minutes. For most job types, you can stop and restart the job on this page. You can also download log files for some job types.

To open the **Running Jobs** page, in Monitor, select **Running Jobs**.

### **My Jobs page**

Lists all jobs that were started by the currently logged in user. For most job types, you can stop and restart the job on this page. You can also download log files for some job types.

To open the **My Jobs** page, in Data Integration, select **My Jobs**.

### **Job details page**

Displays detailed information about a specific job. You can view details for jobs that have completed or failed. For most job types, you can restart the job from this page. You can also download log files for some job types.

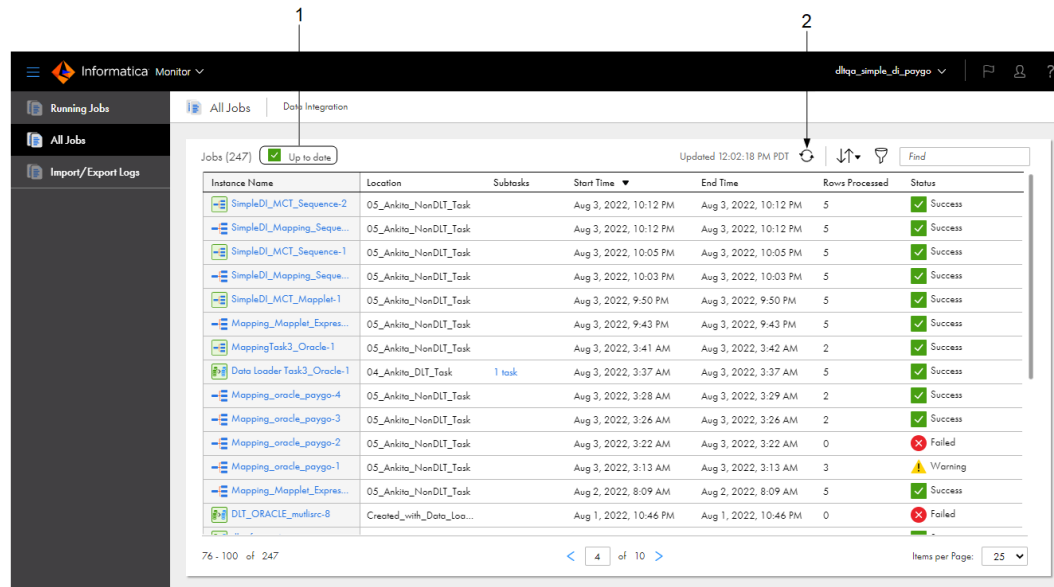
To view the details for a job, click the job name on the **All Jobs**, **Running Jobs**, or **My Jobs** page.

## Monitoring all jobs

You can monitor all jobs in your organization on the **All Jobs** page in Monitor. The **All Jobs** page lists the jobs that are currently running and the jobs that have completed.

Use the **All Jobs** page for failure analysis and debugging of the jobs in your organization.

The following image shows the **All Jobs** page:



1. Status message that indicates whether information on the page is up-to-date or needs to be refreshed
2. Refresh icon

The **All Jobs** page lists the jobs that were run within the last three days, plus the 1000 most recent jobs that are more than three days old.

To ensure that the information on this page is current, Monitor 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.

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.

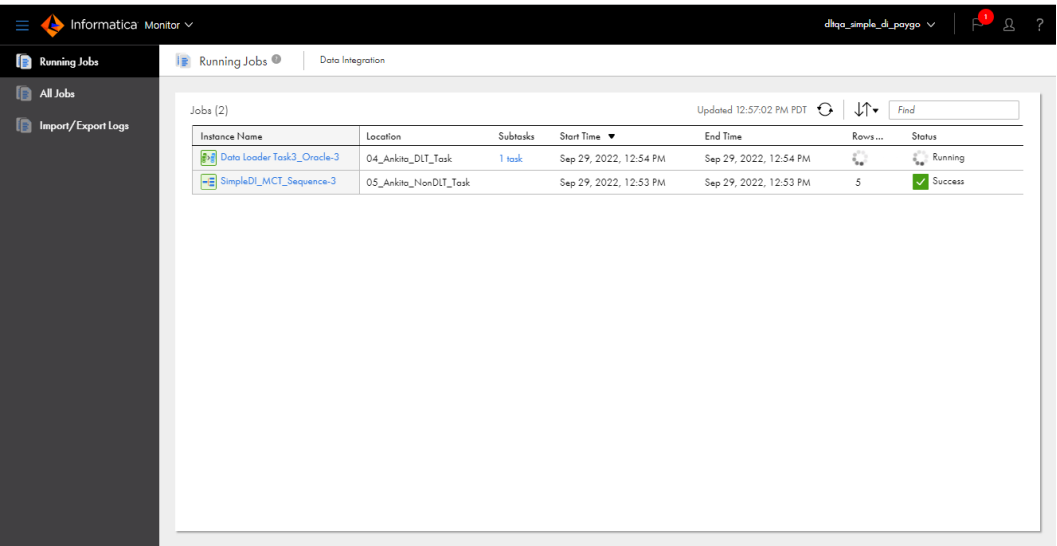
## Monitoring running jobs

You can monitor all running jobs on the **Running Jobs** page in Monitor. The **Running Jobs** page lists the jobs that are starting, queued, running, and suspended. The page also lists the jobs that have completed within the last five minutes.

Use the **Running Jobs** page for live monitoring of the jobs that are running in your organization. When you view running jobs, job properties such as end time, rows processed, and status are continuously updated.



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



Jobs (2)						
Updated 12:57:02 PM PDT						
Instance Name	Location	Subtasks	Start Time	End Time	Rows...	Status
Data Loader Task3_Oracle-3	04_Ankita_DLT_Task	1 task	Sep 29, 2022, 12:54 PM	Sep 29, 2022, 12:54 PM	6	Running
SimpleDL_MCT_Sequence-3	05_Ankita_NonDLT_Task		Sep 29, 2022, 12:53 PM	Sep 29, 2022, 12:53 PM	5	Success

If your organization is running more than 200 jobs, the jobs are listed on multiple pages.

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.

# Monitoring your jobs

You can monitor the jobs that you started on the **My Jobs** page in Data Integration. The **My Jobs** page lists your jobs that are currently running and your jobs that have completed.

The following image shows the **My Jobs** page in Data Integration:

1. Status message that indicates whether information on the page is up-to-date or needs to be refreshed.

2. Refresh icon

Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
Data Loader Task3...	04_Ankita_DIT_Task	1 task	Sep 29, 2022, 12:54 PM	Sep 29, 2022, 12:54 PM	53	Success
SimpleDL_MCT_Seq...	05_Ankita_NonDL...		Sep 29, 2022, 12:53 PM	Sep 29, 2022, 12:53 PM	5	Success
dlr_sl_to_slrk-1	DEMO		Sep 15, 2022, 3:24 PM	Sep 15, 2022, 3:25 PM	22	Success
DemoDTT1-2	DEMO		Sep 15, 2022, 2:40 PM	Sep 15, 2022, 2:41 PM	34	Success
DemoDTT1-1	DEMO		Sep 15, 2022, 2:39 PM	Sep 15, 2022, 2:40 PM	34	Success
dlr_sl_to_slrk-1	04_Ankita_DIT_Task		Sep 15, 2022, 10:43 AM	Sep 15, 2022, 10:43 AM	0	Failed
Taskflow1-754964...	CommandTasks	1 task	Sep 15, 2022, 12:20 AM	Sep 15, 2022, 12:20 AM		Success
CL-Data Transfer Ta...	03_Ankita_PDO_...		Sep 14, 2022, 11:57 AM	Sep 14, 2022, 11:57 AM	2055	Success
CL-Data Transfer Ta...	03_Ankita_PDO_...		Sep 14, 2022, 11:57 AM	Sep 14, 2022, 11:57 AM	236	Success
CL-Data Transfer Ta...	03_Ankita_PDO_...		Sep 14, 2022, 11:55 AM	Sep 14, 2022, 11:55 AM	572	Success
DIT_14_test_paygo-3	04_Ankita_DIT_Task	1 task	Sep 14, 2022, 5:00 AM	Sep 14, 2022, 5:00 AM	200	Success
DIT_14_test_paygo-2	04_Ankita_DIT_Task	1 task	Sep 14, 2022, 4:52 AM	Sep 14, 2022, 4:53 AM	0	Success
DIT_14_test_paygo-1	04_Ankita_DIT_Task	1 task	Sep 14, 2022, 4:51 AM	Sep 14, 2022, 4:52 AM	136	Success
dlr_sl_to_slrk-1	03_Ankita_PDO_...		Sep 13, 2022, 4:51 PM	Sep 13, 2022, 4:51 PM	0	Failed

1. Status message that indicates whether information on the page is up-to-date or needs to be refreshed.
2. Refresh icon

The **My Jobs** page lists the jobs that you ran within the last three days, plus your 1000 most recent jobs that are more than three days old.

To ensure that the information on this page is current, Monitor 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.

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.

# Monitoring subtasks

When you monitor a task instance that contains subtasks, you can also monitor the subtasks. When you monitor a taskflow instance that contains subtasks or subtaskflows, you can also monitor the subtasks and

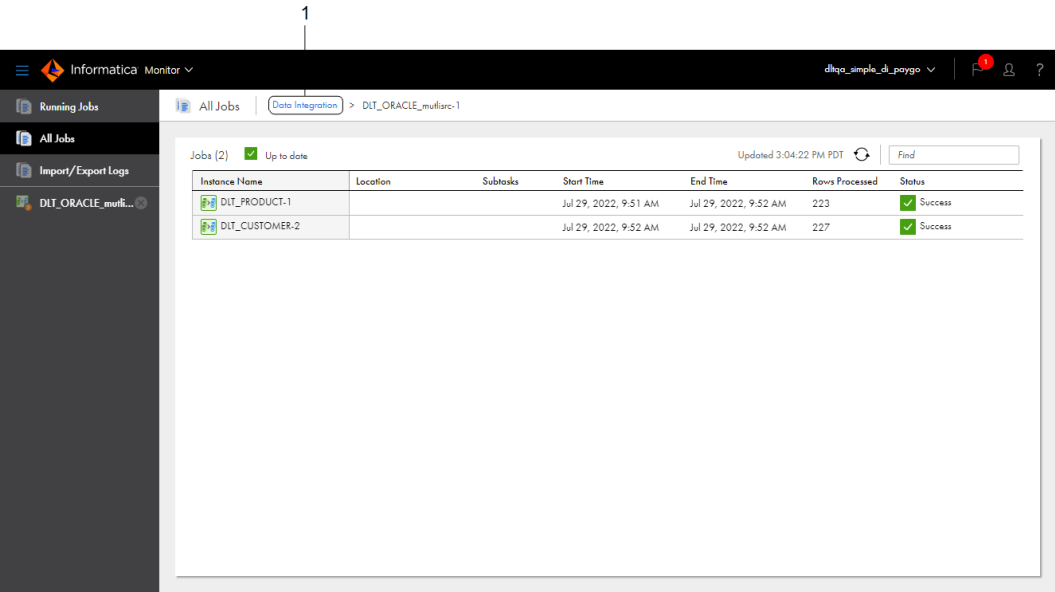
subtaskflows. You can monitor a subtask or subtaskflow from the **All Jobs** or **Running Jobs** page in Monitor or from the **My Jobs** page in Data Integration.

To monitor subtasks or subtaskflows, open the **All Jobs**, **Running Jobs**, or **My Jobs** page, and then click the number of subtasks in the Subtasks column. For taskflows, you can also click **View Subtasks** in the Rows Processed column.

The following types of assets have subtasks:

- Data loader tasks
- Taskflows

The following image shows the **My Jobs** page in Data Integration when you view subtasks for a data loader task:



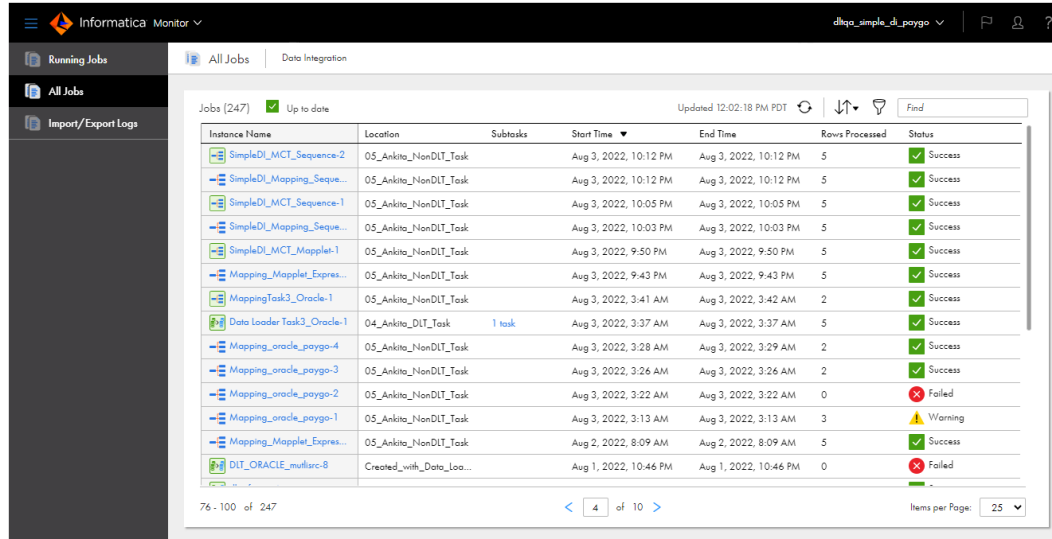
1. Click the service name to close the subtasks view.

To close the subtasks view and return to the **My Jobs** page, click the service name in the menu at the top of the page. For example, to close the subtasks view for a data loader task, click **Data Integration** in the menu at the top of the page to the left of the parent task or taskflow instance name.

# 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.

The following image shows the default properties that are displayed for mapping, task, and taskflow instances on the **All Jobs** page in Data Integration:



Instance Name	Location	Subtasks	Start Time	End Time	Rows Processed	Status
SimpleDI_MCT_Sequence-2	05_Ankita_NonDIT_Task		Aug 3, 2022, 10:12 PM	Aug 3, 2022, 10:12 PM	5	Success
SimpleDI_Mapping_Seque...	05_Ankita_NonDIT_Task		Aug 3, 2022, 10:12 PM	Aug 3, 2022, 10:12 PM	5	Success
SimpleDI_MCT_Sequence-1	05_Ankita_NonDIT_Task		Aug 3, 2022, 10:05 PM	Aug 3, 2022, 10:05 PM	5	Success
SimpleDI_Mapping_Seque...	05_Ankita_NonDIT_Task		Aug 3, 2022, 10:03 PM	Aug 3, 2022, 10:03 PM	5	Success
SimpleDI_MCT_Mapplet-1	05_Ankita_NonDIT_Task		Aug 3, 2022, 9:50 PM	Aug 3, 2022, 9:50 PM	5	Success
Mapping_Mapplet_Expres...	05_Ankita_NonDIT_Task		Aug 3, 2022, 9:43 PM	Aug 3, 2022, 9:43 PM	5	Success
MappingTask3_Oracle-1	05_Ankita_NonDIT_Task		Aug 3, 2022, 3:41 AM	Aug 3, 2022, 3:42 AM	2	Success
Data Loader Task3_Oracle-1	04_Ankita_DIT_Task	1 task	Aug 3, 2022, 3:37 AM	Aug 3, 2022, 3:37 AM	5	Success
Mapping_oracle_paygo-4	05_Ankita_NonDIT_Task		Aug 3, 2022, 3:28 AM	Aug 3, 2022, 3:29 AM	2	Success
Mapping_oracle_paygo-3	05_Ankita_NonDIT_Task		Aug 3, 2022, 3:26 AM	Aug 3, 2022, 3:26 AM	2	Success
Mapping_oracle_paygo-2	05_Ankita_NonDIT_Task		Aug 3, 2022, 3:22 AM	Aug 3, 2022, 3:22 AM	0	Failed
Mapping_oracle_paygo-1	05_Ankita_NonDIT_Task		Aug 3, 2022, 3:13 AM	Aug 3, 2022, 3:13 AM	3	Warning
Mapping_Mapplet_Expres...	05_Ankita_NonDIT_Task		Aug 2, 2022, 8:09 AM	Aug 2, 2022, 8:09 AM	5	Success
DIT_ORACLE_multitarc-8	Created_with_Data_Loa...		Aug 1, 2022, 10:46 PM	Aug 1, 2022, 10:46 PM	0	Failed

Each Informatica Intelligent Cloud Services job is named `<asset name>-<instance number>`. For example, the first time you run mapping `m_LoadCustOrders`, the job is named `m_LoadCustOrders-1`. The second time you run the mapping, the job is named `m_LoadCustOrders-2`.

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

Property	Description
Instance Name	Name of the job in the following format: <asset name>-<instance number> For completed and failed jobs, you can click the instance name to view detailed information about the job.
Location	Project and folder path where the asset exists.
Subtasks	Displays the number of subtasks, when applicable. To view job properties for the subtasks, click the entry in this column.
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	<p>Total number of rows that the job has currently processed. This value includes the number of rows successfully written to the target as well as the number of error rows for each source, target, and transformation in the task.</p> <p>If the job you are viewing is a taskflow instance, this field displays <b>View Subtasks</b>. Click <b>View Subtasks</b> to monitor the subtasks and subtaskflows for the taskflow. If the taskflow contains nested subtasks and subtaskflows, this field displays <b>View Subtasks</b> to view the nested subtasks and subtaskflows.</p>
Status	<p>Job status. A job can have one of the following statuses:</p> <ul style="list-style-type: none"> <li>- Queued. The job is queued on a Secure Agent, but it has not started yet. Applies to taskflow instances.</li> <li>- Starting. The job is starting.</li> <li>- Running. The job is still running.</li> <li>- Success. The job completed successfully.</li> <li>- Stopping. The job is stopping. Applies to tasks that are stopped cleanly.</li> <li>- Suspended. The job is paused. Applies to taskflow instances.</li> <li>- Warning. The job completed with errors. Applies to mapping and task instances.</li> <li>- Failed. The job did not complete because it encountered errors or the user has stopped the execution.</li> </ul> <p><b>Tip:</b> If the job status is Failed, you can hover the cursor over the job status to view and copy the error message.</p>

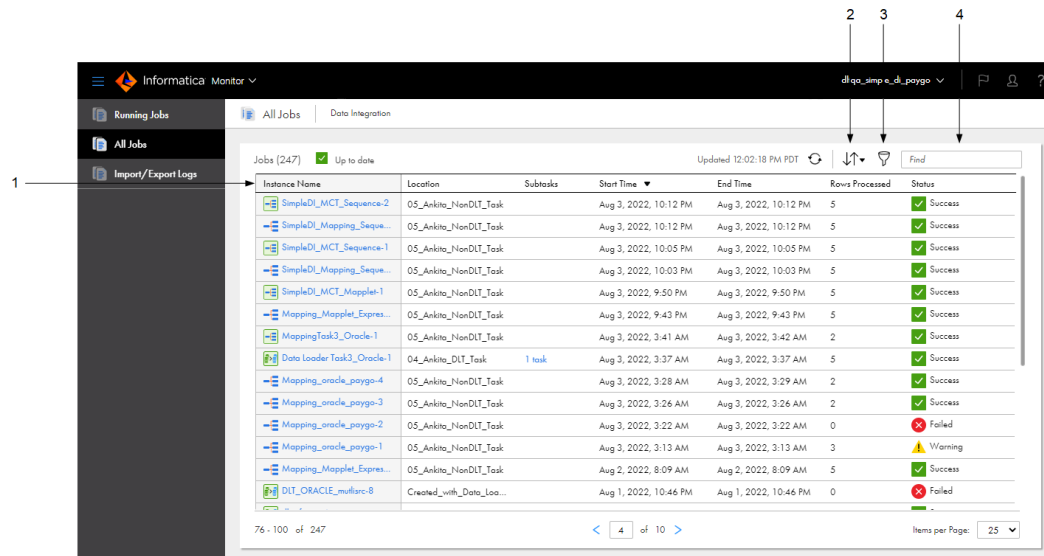
You can also display the following additional properties by right-clicking in the column heading area:

Property	Description
Asset Name	Name of the asset that is associated with the job. For example, if the job is a mapping instance, this column displays the name of the associated mapping.
Asset Type	Type of asset that is associated with the job.
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 rows successfully written to the target.
Failure Rows	Number of rows that were not written to the target.
Started By	Name of the user or schedule that started the job.
Error Message	Error message, if any, that is associated with the job.

# Customizing the jobs pages

You can decide which properties to display on the **All Jobs**, **Running Jobs**, and **My Jobs** pages. You can also sort and filter jobs, drill down on a job to view detailed information about the job, and view properties for subtasks.

The following image shows the properties that are displayed by default on the **All Jobs** page:



1. Column heading area. Right-click this area to add and remove columns.
2. Sort icon
3. Filter icon
4. Find field

You can customize the jobs pages in the following ways:

## Display, hide, or rearrange job properties.

To display or hide specific properties, right-click the column heading area and check or uncheck the properties.

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

## Sort jobs.

To sort the displayed jobs, click the column heading for the property that you want to sort by. For example, to list the most recently completed jobs first, click the End Time column. The arrow in the column heading indicates the sort order, either ascending or descending. To reverse the sort order, click the column heading again.

You can also sort jobs by clicking the **Sort** icon and selecting the column name.

## Find jobs.

To find specific jobs on the **All Jobs**, **Running Jobs**, and **My Jobs** pages, use the find field. You can search for jobs by entering a full or partial job name or error message in the find field.

## Filter jobs.

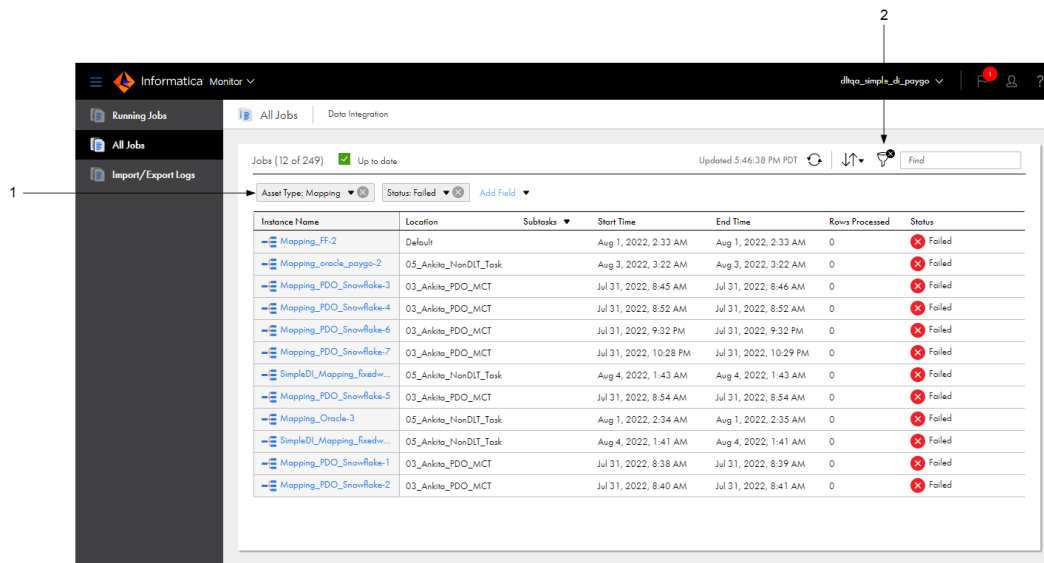
To filter the jobs that appear on the **All Jobs** and **My Jobs** pages, click the **Filter** icon. Use filters to find specific jobs. You can specify keywords and partial strings in your filters.

To specify a filter, click **Add Field**, select the property to filter by, and then enter the property value. For example, to find jobs with names that contain the string "Sales," select "Asset Name" as the filter field, and enter "Sales" as the value. Or, to find jobs with errors that contain the string "Hosted Agent," select "Error Message" as the filter field, and enter "Hosted Agent" as the value.

You can specify multiple filters. For example, to find failed mappings, select the following filter fields and values:

- Asset Type: Mapping
- Status: Failed

The following image shows the **All Jobs** page with the filters applied:



1. Applied filters
2. Remove Filter icon

To remove all applied filters, click the **Remove Filter** icon.

## Viewing details for a specific job

You can drill down on any job on the **All Jobs**, **Running Jobs**, or **My Jobs** page to display detailed information about the job.

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

To view details for jobs with subtasks, open the subtasks view, and click the subtask name.

The details displayed for the job vary based on the job type.

## CHAPTER 2

# Monitoring Data Integration jobs

You can monitor the Data Integration jobs that are running or have run. A job is an instance of a mapping, task, or taskflow. Each time that you start a mapping, task, or taskflow, Data Integration creates a job to run it.

You can monitor the following types of Data Integration jobs:

- Mappings
- Mapping data preview jobs
- Mapping tasks
- Data loader tasks
- Data transfer tasks
- Taskflows

## Monitoring mappings and mapping tasks

To view detailed information about a specific mapping instance, task instance, or mapping data preview job, click the job name on the **All Jobs**, **Running Jobs**, or **My Jobs** page.

The following image shows the job details for a mapping task:

The screenshot shows the Informatica Data Integration web console. The left sidebar contains navigation links: New..., Home, Explore, My Jobs, and mt\_Leads-1 (selected). The main content area displays the job details for 'mt\_Leads-1'. The 'Job Properties' section lists: Task Name: mt\_Leads, Instance ID: 1, Task Type: Mapping Task, Started By: terrysmith through UI, Start Time: Oct 4, 2022 12:40:39 PM, End Time: Oct 4, 2022 12:43:31 PM, Duration: 2 minutes, 52 seconds, Runtime Environment: LOCAL\_AGENT, and Secure Agent: aspsrxcclqz201.informatica.com. The 'Results' section shows: Status: Success, Success Rows: 124, Errors: 0, and a link to Download Session Log. Below this is a table titled 'Individual Source/Target Results' with columns: Name, Success Rows, Errors, Error Message, and Actions.

Name	Success Rows	Errors	Error Message	Actions
Source	124	0		
Target (Unknown_Status)	0	0		
tgt_Open_Leads (Open_Leads)	52	0		
tgt_Closed_Leads (Closed_Leads)	72	0		



You view different details in each panel, and the details change based on the type of task that you run.

## Job properties

The job properties for each mapping instance, task instance, or mapping data preview job display general properties about the instance.

The job properties include the following properties:

Property	Description
Task name	Name of the task.
Instance ID	Instance number for the task. For example, if you are looking at the third run of the task, this field displays "3."
Task type	Task type, for example mapping task.
Started by	Name of the user or schedule that started the job.
Start time	Date and time that the job was started.
End time	Date and time that the job completed or stopped.
Duration	Amount of time the job ran before it completed or was stopped.
Runtime environment	Runtime environment in which the job ran.
Secure Agent	Secure Agent that ran the job.

## Job results

The job results for each mapping instance, task instance, or mapping data preview job display the status of the job and success and error statistics.

The job results include the following properties:

Property	Description
Status	Job status. A job can have one of the following statuses: <ul style="list-style-type: none"><li>- Starting. The job is starting.</li><li>- Running. The job is still running.</li><li>- Success. The job completed successfully.</li><li>- Warning. The job completed with errors.</li><li>- Failed. The job did not complete because it encountered errors.</li></ul>
Success Rows	Number of rows successfully written to the target.
Errors	Total number of source error rows, target error rows, and transformation errors.

Property	Description
Session Log	Allows you to download the session log file. By default, Informatica Intelligent Cloud Services stores session logs for 10 runs before it overwrites the logs with the latest runs. If you want to retain session logs for more than 10 runs, you can configure the <b>Maximum Number of Log Files</b> property in the task wizard. Session log files are written to the following directory: <Secure Agent installation directory>/apps/Data_Integration_Server/logs
Requested Compute Units Per Hour	Number of serverless compute units per hour that the task requested. You can view the number of requested compute units if the task runs in a serverless runtime environment.
Total Consumed Compute Units	Total number of serverless compute units that the task consumed. You can view the number of consumed compute units if the task runs in a serverless runtime environment.
Error Message	Error message, if any, that is associated with the job.

## Individual source and target results

Individual source and target results are displayed for mapping task instances and mapping data preview jobs. Individual source and target results display details for individual sources and targets.

The individual source and target details include the following properties for each source and target:

Property	Description
Name	Name of the source transformation or name of the target transformation and the target object.
Success rows	Number of rows successfully written to the target.
Errors	Total number of source error rows, target error rows, and transformation errors.
Error message	Error message, if any, that is associated with the job.
Actions	Actions that you can take regarding the job.

## Parameter details

Parameter details are displayed for job instances that contain in-out parameters or connection or object parameters that were overridden at runtime.

If the job instance includes in-out parameters, the job details display the value for each parameter after the task has completed.

For mapping task instances that include connection or object parameters that were overridden at runtime, the job details also display the location of the parameter file and the value of each parameter after the task has completed.

## Sequence generator details

Sequence generator details are shown for mapping task and mapping data preview job instances that contain a Sequence Generator transformation that does not use a shared sequence.

The following table describes the properties shown for each sequence generator:

Property	Description
Transformation Name	Name of the Sequence Generator transformation.
Next Value	Value of the NEXTVAL output field in the Sequence Generator transformation.

## Pushdown optimization details

Pushdown optimization details are shown for mapping task instances where the task is configured for pushdown optimization.

Expand the **Pushdown Optimization** area to view pushdown details.

The **Pushdown Optimization** area displays the pushdown type configured in the task and the type of pushdown the task executed. The area also displays the SQL queries pushed to the source or target, along with any errors.

# Monitoring data loader tasks

To view detailed information about a specific data loader task, click the instance name on the **My Jobs**, **All Jobs**, or **Running Jobs** pages.

## Job properties

The job properties for each data loader task include general properties about the task.

The job properties include the following properties:

Properties	Description
Task Name	Name of the task.
Instance ID	Instance number for the task. For example, if you are looking at the third run of the task, this field displays "3."
Task Type	Task type, for example, data loader task.
Started By	Name of the user or schedule that started the job.
Start Time	Date and time that the job was started.
End Time	Date and time that the job completed or stopped.
Duration	Amount of time the job ran before it completed or was stopped.

## Job results

The job results for each data loader task display the status of the job and success and error statistics.

The job results include the following properties:

Property	Description
Status	Job status. A job can have one of the following statuses: <ul style="list-style-type: none"><li>- Starting. The job is starting.</li><li>- Running. The job is still running.</li><li>- Success. The job completed successfully.</li><li>- Warning. The job completed with errors.</li><li>- Failed. The job did not complete because it encountered errors.</li></ul>
Success Rows	Number of rows successfully written to the target.
Error Rows	Total number of source and target error rows.

## Individual job results

Individual job results display details for individual sources.

The individual source details include the following properties for each source:

Property	Description
Object Name	Name of the source object.
End time	Date and time that the individual job completed or stopped.
Status	Individual job status. A job can have one of the following statuses: <ul style="list-style-type: none"><li>- Starting. The job is starting.</li><li>- Running. The job is still running.</li><li>- Success. The job completed successfully.</li><li>- Warning. The job completed with errors.</li><li>- Failed. The job did not complete because it encountered errors.</li></ul>
Success Rows	Number of rows successfully written to the target.
Error Rows	Total number of source error rows or target error rows.
Error Message	Error message, if any, that is associated with the job.

## Monitoring data transfer tasks

To view detailed information about a specific data transfer task, click the instance name on the **My Jobs**, **All Jobs**, or **Running Jobs** pages.

## Job properties

The job properties for each data transfer task include general properties about the task.

The job properties include the following properties:

Properties	Description
Task Name	Name of the task.
Instance ID	Instance number for the task. For example, if you are looking at the third run of the task, this field displays "3."
Task Type	Task type, for example, data transfer task.
Started By	Name of the user or schedule that started the job.
Start Time	Date and time that the job was started.
End Time	Date and time that the job completed or stopped.
Duration	Amount of time the job ran before it completed or was stopped.
Runtime Environment	Runtime environment in which the job ran.
Secure Agent	Secure Agent that ran the job.
Context Name	Name of the task that is associated with the job.

## Job results

The job results for each data transfer task display the status of the job and success and error statistics.

The job results include the following properties:

Property	Description
Status	Job status. A job can have one of the following statuses: <ul style="list-style-type: none"><li>- Starting. The job is starting.</li><li>- Running. The job is still running.</li><li>- Success. The job completed successfully.</li><li>- Warning. The job completed with errors.</li><li>- Failed. The job did not complete because it encountered errors.</li></ul>
Success Rows	Number of rows successfully written to the target.
Errors	Total number of source error rows, target error rows, and transformation errors.
Session Log	Allows you to download the session log file. By default, Informatica Intelligent Cloud Services stores session logs for 10 runs before it overwrites the logs with the latest runs. If you want to retain session logs for more than 10 runs, you can configure the <b>Maximum Number of Log Files</b> property in the task wizard.

## Individual source and target results

Individual source and target results display details for individual sources and targets.

The individual source and target details include the following properties for each source and target:

Property	Description
Name	Name of the source or target object.
Success rows	Number of rows successfully written to the target.
Errors	Total number of source error rows or target error rows.
Error Message	Error message, if any, that is associated with the job.

## Monitoring taskflows

To view detailed information about a taskflow instance, click the job name on the **My Jobs** page.

The following image shows the job details for a taskflow instance:

The screenshot displays the monitoring interface for a taskflow instance. At the top, the taskflow name 'TaskflowParallelPCTasks-714788616458686464' is shown with a green checkmark indicating 'Success'. The interface is divided into four main panels:

- 1. Log panel:** A table showing the chronological sequence of activities and their durations.

Step	Duration (HH:MM:SS)
Start	00:00:00
Parallel Paths 1	00:00:02
Data Task 1	00:00:01
Data Task 2	00:00:02
Data Task 3	00:00:01
End	00:00:00
- 2. Design panel:** A canvas view of the taskflow diagram. It shows a 'Start' node leading to a 'Parallel Paths' node, which then branches into three parallel 'Data Task' nodes (Data Task 1, Data Task 2, and Data Task 3). These tasks converge at a join node, which then leads to an 'End' node. All nodes and connections are marked with green checkmarks, indicating successful execution.
- 3. Properties panel:** Displays the properties for the selected 'Data Task 1'. It shows the 'Current Run' status as '1 (Success)' with 'No errors encountered'. General information includes the start and end dates (2022/5/27 06:34:47.000 AM to 2022/5/27 06:34:58.000 AM) and duration (00:00:11.000). The taskflow name and the user who started it ('autouser\_pod1') are also listed.
- 4. Variable panel:** A section for managing input and temporary variables. It includes fields for 'Name', 'Input', and 'Temp' variables.

1. Log panel. A chronological list of the activities that the taskflow has run.
2. Design panel. A canvas view of the taskflow.
3. Properties panel. The properties of the taskflow element that you select on the canvas. Click the Start step to view properties specific to the current taskflow instance. Click a Data Task step to see properties specific to the task.
4. Variable. The input and temp variables used to run the taskflow instance. To update the variables and their associated values, click the **Edit** icon next to the Input or Temp variable in the Variable panel.

## Start step properties

The Start step properties display information about the current run of a taskflow.

When you click the Start step, the properties panel displays the following information:

Property	Description
Current Run	<p>You see the following properties:</p> <ul style="list-style-type: none"><li>- Instance ID. A unique number that identifies the current taskflow instance.</li><li>- Status. The state that the taskflow instance is in. Taskflows can be in the Running, Failed, Success or Suspended states.</li><li>- Last Fault Name. The cause for the fault occurrence. This field appears only when the taskflow fails.</li><li>- Error. Exception or error message.</li><li>- Start Date. The date and time at which the taskflow instance was started.</li><li>- End Date. The date and time at which the taskflow instance ended. You see an End Time value if a taskflow is in the Success or Failed states.</li><li>- Duration. The amount of time the taskflow instance ran before it completed. You see a Duration value if a taskflow is in the Success or Failed states.</li><li>- Username. The name of the user who ran this instance of the taskflow.</li><li>- Runtime Environment. The runtime environment in which the taskflow ran. You can run taskflows only in the Cloud environment.</li></ul>
Input Fields	Displays the name and value provided as input for the current taskflow instance.

## Data Task properties

The Data Task step properties display details about the current run of the data task of a taskflow.

When you click a data task, the properties panel displays the following information:

Property	Description
Current Run	<p>You see the following properties:</p> <ul style="list-style-type: none"><li>- Status. Indicates the status of the data integration task. A data integration task can be in the <b>0 (Faulted)</b>, <b>1 (Success)</b>, or <b>2 (Warning)</b> states.</li><li>- Error. If the data integration task is in the <b>0 (Faulted)</b> or <b>2 (Warning)</b> states, the error message appears here.</li><li>- Start Date. The date and time that the data integration task started.</li><li>- End Date. The date and time that the data integration task ended or was suspended.</li><li>- Duration. The amount of time the data integration task ran before it completed or was suspended.</li><li>- Started By. The name of the taskflow that called the data integration task.</li><li>- Username. The name of the user who ran this instance of the taskflow.</li></ul>
General	The name and type of the Data Task step.
Data Task	<p>You see the following properties:</p> <ul style="list-style-type: none"><li>- Name. The name of the data integration task.</li><li>- Type. Specifies the task type.</li></ul>

Property	Description
Input Fields	<p>Properties specific to the data integration task you added to a Data Task step.</p> <p>You see the following properties:</p> <ul style="list-style-type: none"> <li>- Wait for Task to Complete. Indicates if the Data Task step waits for the data integration task to complete. This value is always <b>Yes</b>.</li> <li>- Max Wait. The maximum time in seconds that the Data Task step waits for the data integration task to complete. This value is always <b>604800</b> seconds, which is 7 days.</li> <li>- Task Name. The name of the data integration task.</li> <li>- GUID. The unique identifying number of the data integration task.</li> <li>- Task Type. Specifies the task type.</li> <li>- Has Inout Parameters. Indicates whether the data integration task contains input parameters or output parameters.</li> </ul>
Output Fields	<p>You see output field properties if the <b>State</b> of the data integration task is <b>1 (Success)</b>.</p> <p>Properties specific to the completed data integration task appear here.</p>
Fault	<p>If the data integration task faulted, you see the following properties:</p> <ul style="list-style-type: none"> <li>- Code. Indicates whether the fault is an error or a warning.</li> <li>- Reason. Indicates the cause of the error or fault.</li> <li>- Detail. Provides details about the error or fault.</li> </ul> <p>You see the output field properties when the data integration task status is <b>3 (Failed)</b> and one of the following conditions are met:</p> <ul style="list-style-type: none"> <li>- The <b>On Error</b> field is set to <b>Ignore</b> or <b>Custom error handling</b>.</li> <li>- The <b>Fail taskflow on completion</b> option is set to <b>If this task fails</b>.</li> </ul>

## Notification Task properties

The Notification Task step properties display details about the current run of the Notification Task of a taskflow.

When you click a Notification Task, the **Properties** panel displays the following information:

Property	Description
General	The name of the Notification Task step.
Details	<p>Displays the following input fields of the Notification Task:</p> <ul style="list-style-type: none"> <li>- Email To. The primary recipients for the email notification.</li> <li>- Email Cc. The recipients who need to be sent a copy of the email notification.</li> <li>- Email Bcc. The additional recipients who need to be sent a copy of the email notification. The recipients in the <b>Email To</b> and <b>Email Cc</b> fields will not be able to see the recipients in the <b>Email Bcc</b> field. If the field contains more than one recipient, the recipients will not be able to see the other recipients in the <b>Email Bcc</b> field.</li> <li>- Email Subject. A short and descriptive subject that introduces the email.</li> <li>- Email Content Type. The type of formatting that the email content uses.</li> <li>- Email Body. The content that the email contains.</li> </ul>

## Command Task step properties

The Command Task step properties display details of the current run of the command task in a taskflow.



When you click a command task in the taskflow, the **Properties** panel displays the following properties:

Property	Description
General	Displays the name of the command task.
Input Fields	Displays the value of the runtime environment, script file name, input arguments, and work directory that you configure for the command task.
Output Fields	Displays the value of the run ID, start and end time, exit code, execution status, and standard error. The output fields are displayed only if the command task executes successfully.
Fault	Displays the error code and reason for the error.

If the Command Task step contains multiple script files, you can view all the scripts in the taskflow instance as subtasks of the command task from the **All Jobs**, **Running Jobs**, or **My Jobs** page. If a script fails, the status of the script is set to failed. You can also download the log file to understand the reason for the script failure.

## Subtaskflow step properties

The Subtaskflow step properties display details about the current run of the subtaskflow.

When you click a Subtaskflow step, the **Properties** panel displays the following information:

Properties	Description
Input Fields	Displays the input fields that you had configured along with their associated values.
Fault	If the subtaskflow step faulted, you see the following properties: <ul style="list-style-type: none"><li>- Code. Indicates whether the fault is an error or a warning.</li><li>- Reason. Indicates the cause of the error or fault.</li><li>- Detail. Provides details about the error or fault.</li></ul>
Output Fields	Displays the output fields of the subtaskflow along with their associated values.

## Throw step properties

The Throw step properties display the fault details for the taskflow or the step that is associated with the Throw step.

If the step preceding the Throw step or the step with which the Throw step is associated faulted, the **Fault** field in the **Properties** panel displays the following details:

- **Code.** Displays the fault code.
- **Reason.** Displays the cause of the fault.
- **Details.** Displays the details about the fault.

## End step properties

The End step properties display details about the current run of the taskflow.

When you click an End step, the **Properties** panel displays the following information:

Properties	Description
Fault	<p>If the End step faulted, you see the following properties:</p> <ul style="list-style-type: none"><li>- Code. Displays the fault code. The code is set to <b>faultDueToNotRunOrFaulted</b> if the subtaskflow associated with the Subtaskflow step failed or did not run.</li><li>- Reason. Indicates the cause of the error or fault.</li><li>- Source. Displays the path of the step that faulted</li></ul>

## Stopping and restarting mapping and task instances

You can stop and restart mapping and task instances on the **All Jobs**, **Running Jobs**, or **My Jobs** page. Restart a mapping or task instance on the **All Jobs** or **My Jobs** page or from the job details.

You can perform the following actions:

### Stop a mapping or task instance.

You can stop a mapping or task instance that is starting, running, or queued.

Stop the job using one of the following methods:

- Clean Stop. Gracefully shuts down the DTM process.
- Stop. Forcefully stops the DTM process.

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

When you click **Clean Stop**, the job status changes to Stopping. If the job takes too long to stop, click **Stop** to stop the job.

### Restart a mapping or task instance.

You can restart a mapping or task instance that has run successfully or failed.

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

## Stopping, suspending, resuming, and restarting taskflow instances

You can stop, suspend, resume, and restart taskflow instances on the **All Jobs**, **Running Jobs**, or **My Jobs** page.

You can perform the following actions:

### Stop a taskflow instance.

You can stop a taskflow instance that is in the suspended or running state.

To stop a taskflow instance, open the **All Jobs**, **Running Jobs**, or **My Jobs** page, and then click the **Stop** icon in the row that contains the taskflow instance.

When you stop a parent taskflow, all the underlying subtaskflows that are running also stop. The **Last Fault Name** field in the **Taskflow Properties > Current Run** section of the parent taskflow that you stop displays the value as **processManuallyTerminated**. However, the **Last Fault Name** field of the subtaskflows displays the value as **processTerminated**.

### Suspend a taskflow instance.

To suspend a taskflow instance, open the **All Jobs**, **Running Jobs**, or **My Jobs** page, and then click the **Suspend** icon in the row that contains the taskflow instance.

### Resume a taskflow instance from a faulted step.

To resume a suspended taskflow instance from a faulted step, open the **All Jobs**, **Running Jobs**, or **My Jobs** page, and then click the taskflow instance. On the taskflow status page, click the **Resume from faulted step** icon. The taskflow resumes from the step that faulted.

If you resume a taskflow that was suspended because of a data integration task fault, the task re-runs. For information about suspending a taskflow on a data task fault, see *Taskflows*.

### Skip a faulted step and resume a taskflow instance from the next step.

To skip a faulted step and resume a suspended taskflow instance from the next step, open the **All Jobs**, **Running Jobs**, or **My Jobs** page, and then click the taskflow instance. On the taskflow status page, click the **Skip faulted step and resume** icon. The taskflow skips the faulted step and resumes from the next step. If all the other steps run successfully, the taskflow status is set to success.

### Restart a taskflow instance.

You can restart a taskflow that meets the following criteria:

- The taskflow was run at least once.
- The taskflow is in one of the following states:
  - Success
  - Failed
  - Suspended

You can also restart a taskflow instance that has the **Binding** property set to **Event**.

To restart a taskflow instance, open the **All Jobs**, **Running Jobs**, or **My Jobs** page, and then click the **Restart** icon in the row that contains the taskflow instance.

## Running a taskflow instance from a step

You can run a taskflow instance from a particular step on the **All Jobs** page in Monitor or the **My Jobs** page in Data Integration.

You can run a taskflow that meets the following criteria:

- The taskflow step was run at least once.

- The taskflow is in one of the following states:
  - Success
  - Failed
  - Warning

When you run a taskflow instance from a particular step, if any subsequent step uses input from a previously executed step, it will have null values. To avoid this problem, update the input and temporary variables before you run a taskflow instance from a step. For more information about updating variables, see [“Updating variables to run a taskflow instance from a step” on page 29](#).

The following image shows the **Run from here** icon to run the taskflow instance from the selected Data Task step:

The screenshot displays the Data Integration Monitor interface for a taskflow instance named 'TaskflowParallelPCTasks-714788616458686464' which is in a 'Success' state. The interface is divided into several sections:

- Log Table:** A table showing the execution log with columns for Step and Duration (HH:MM:SS). The log entries are: Start (00:00:00), Parallel Paths 1 (00:00:02), Data Task 1 (00:00:11), Data Task 2 (00:00:02), Data Task 3 (00:00:11), and End (00:00:00).
- Design Canvas:** A visual representation of the taskflow. It starts with a 'Start' node, followed by a 'Parallel Paths' node. This node branches into three parallel 'Data Task' nodes (Data Task 1, Data Task 2, and Data Task 3). These tasks then merge at an 'End' node. Green checkmarks indicate successful execution of each step.
- Data Task 1 Properties Panel:** A panel showing details for the selected 'Data Task 1'. It includes a 'Current Run' tab with the following information:
  - Status: 1 (Success)
  - Error: No errors encountered.
  - Start Date: 2022/5/27 06:34:47.000 AM
  - End Date: 2022/5/27 06:34:58.000 AM
  - Duration (HH:MM:SS.ass): 00:00:11.000
  - Started By: Taskflow: TaskflowParallelPCTasks
  - Username: autouser\_pod1
 A 'Run from here.' button is visible in the bottom right corner of this panel.

To run a taskflow instance from a step, open the **All Jobs** page in Monitor or **My Jobs** page in Data Integration, and then click the taskflow instance. On the taskflow status page, select the step from which you want to run the taskflow and click the **Run from here** icon.

The following image shows the taskflow instance after it runs from the Data Task 1:

TaskflowParallelPCTasks-724650577098915840 | Success

Log

Step	Duration (HH:MM:SS.ms)
Data Task 1	00:00:36.7...
End	00:00:00.0...

Design

Variable

Name
Input
Temp

Data Task 1 Properties | Success

Current Run

General

Name	Value
Step Name	Data Task 1

Data Task

Input Fields

Output Fields

**Note:** If you run a taskflow from a particular step, and the taskflow has a parent taskflow, the parent taskflow will not be notified of the status of the taskflow. You can run a taskflow from the steps that ran successfully. You can also run a taskflow from a failed task such as a Data Task step or Command Task step provided the error handling for that task is set to ignore on error. You cannot run a taskflow from the Start, End, and Jump steps.

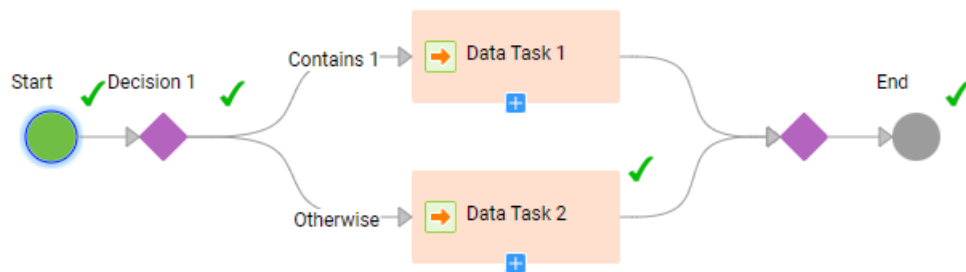
## Updating variables to run a taskflow instance from a step

Use the variables tab to update the input and temporary variables or fields and their associated values to run a complex taskflow instance from a particular step.

The **Variables** tab contains all the input variables and fields that are configured in the Start step for the taskflow. It also contains the temporary variables and fields that also include tasks such as Data Task step and Command Task step that were used to run the taskflow.

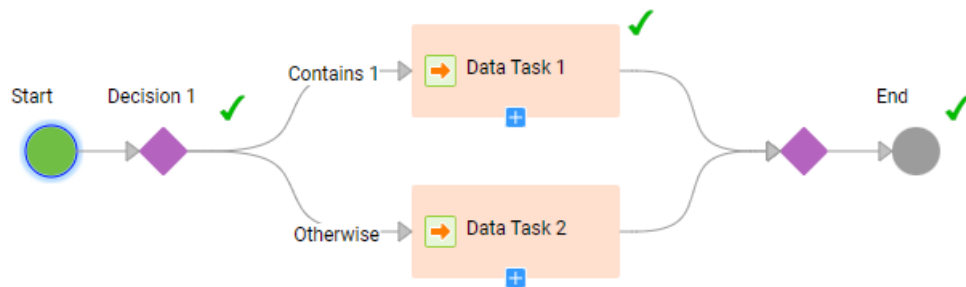
To update the input and temporary variables or fields and their associated values, open the **All Jobs** and **Running Jobs** page in Monitor or the **My Jobs** page in Data Integration, and then click the taskflow instance. On the taskflow status page, click the **Edit** icon next to the Input or Temp variable. Based on the values passed in the taskflow, the variables are displayed in the JSON or XML format in the **Variable Input** and **Variable Temp** dialog boxes respectively. Update the variables and click **Update**.

You cannot run a task that never ran. For example, you cannot run a taskflow instance from the Data Task 1 as shown in the following image:



In this case, you must update the variable value that is used in the Decision 1 step, and then run from the Decision 1 step again.

The following image shows the taskflow instance after it runs from the Decision 1 step:



For more information about the input and temporary fields, see the Taskflows documentation.

## CHAPTER 3

# Data Integration job log files

Data Integration generates log files to help you monitor running, failed, and completed jobs. You can access some of the log files from the **All Jobs**, **Running Jobs**, and **My Jobs** pages, and from the job details.

Data Integration generates the following types of log files:

### Session log file

Data Integration generates a session log file for each job. If a job fails, download the log file to help you troubleshoot the job.

### Reject file

Data Integration creates a reject file for each flat file and Oracle target in a mapping or mapping task that contains error rows. The reject file contains information about each rejected target row and the reason that the row was rejected. Data Integration saves the reject file to the following default folder:

```
$PMBadFileDir/<task federated ID>
```

## Downloading a session log file

You can download the log file for a job that is running, completed, or failed. Download the log file from the **All Jobs**, **Running Jobs**, or **My Jobs** page or from the job details.

1. In Monitor, select **All Jobs** or **Running Jobs**, or in Data Integration, select **My Jobs**.
2. Perform either of the following steps:
  - Click the **Download Log** icon in the row that contains the job.
  - Click the job name to open the job details, and then click **Download Session Log** in the Results area.

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