# **Overview of Job Monitoring**

#### **Contents:**

- Monitoring Phases
  - Connect
  - Request
  - Transfer
  - Prepare
  - Process
- Enable
- Configure
  - Enable phases in Data sources tab
  - Enable phases in Outputs tab
- Monitoring Jobs in the Application
  - Flow View
  - Import
  - Job Details Page

Trifacta® Self-Managed Enterprise Edition supports detailed monitoring of a job throughout each phase of its execution.

#### Limitations:

- Applies only to ingest and publishing jobs
- Applies only to JDBC datasets

### Monitoring Phases

These phases apply to ingest and publishing jobs. Information on them is surfaced in the application.

#### Connect

In the Connect phases, Trifacta Self-Managed Enterprise Edition uses the specified connection for the flow to connect to the source of the job.

**NOTE:** Errors in this phase typically involve issues in the connection definition or in the network configuration or availability.

### Request

After the platform has been able to connect to the datastore, the Request phase entails the submission of the request to the datastore for the assets. For example, for JDBC-based datasets, this phase covers the SQL query of the database through the response that the query was successfully executed.

**NOTE:** Errors in this phase typically reflect errors in the SQL query, which can include renaming or moving of assets in the datastore.

**NOTE:** If assets are retrieved via custom SQL query, you may need to review the query and validate it through the Trifacta application. For more information, see *Create Dataset with SQL*.

#### **Transfer**

This phase covers the transfer of assets from the datastore to the platform.

**NOTE:** Errors in this phase typically indicate issued with permissions.

#### **Prepare**

**NOTE:** This phase applies to publishing jobs only.

Depending on the destination, the Prepare phase includes the creation of temporary tables, generation of manifest files, and the fetching of extra connections for parallel data transfer.

#### **Process**

After the data has been transferred to the platform, this phase covers the processing of cleanup after data transfer, including the dropping of temporary tables or copying data within the instance.

### Enable

The base feature is enabled by default.

"feature.enableJobMonitoring": true,

### Configure

Optionally, you can enable the following capabilities in the Trifacta application. You can apply this change through the *Admin Settings Page* (recommended) or

trifacta-conf.json

. For more information, see Platform Configuration Methods.

### **Enable phases in Data sources tab**

To display separate columns in the Data sources tab of the Job Details page for each phase on an ingest job, set the following parameter to true:

"jobMonitoring.enablePhasesInDatasourcesTable": true,

#### **Enable phases in Outputs tab**

To display separate columns in the Outputs tab of the Job Details page for each phase for a publish job, set the following parameter to true:

```
"jobMonitoring.enablePhasesInOutputsTable": true,
```

Save your changes and restart the platform.

### Monitoring Jobs in the Application

When the base feature is enabled, you can monitor jobs in the following locations.

#### Flow View

- Track phases in the Jobs panel in Flow View. Hover the mouse over the link to the job.
- See Flow View Page.

### **Import**

NOTE: This feature may require enablement in your deployment. See Configure JDBC Ingestion.

### **Import Data:**

For long-loading datasets, you can track the progress of the import through the Import Data page as you specify the import. See *Import Data Page*.

#### Library:

After specifying the import, if the data is continuing to be ingested, you can track progress through the Library page. See *Library Page*.

### **Dataset Details Page:**

In the Dataset Details page, you can monitor the ingest progress. Hover over the Status link.



Figure: Dataset Details Page - Job Monitoring

### **Job Details Page**

- Track phases of progress by hovering over the job in progress in the Job Details page.
- Review new and better detail in the Job Details page. Click View Details for the job listing.
- For more information, see Job Details Page.

#### Datasources tab - Phased ingest monitoring

If job monitoring phases have been enabled for the Datasources tab, the tab looks like the following:



Figure: Job monitoring in the Datasources tab

### View details:

If an ingest job succeeds or fails, you can click **View details** in the status column for additional information on each phase of the ingest job:

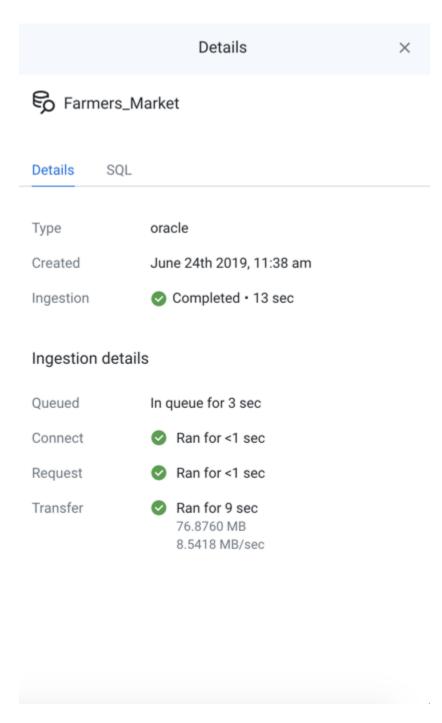


Figure: View details on monitoring ingest jobs

### Output destinations tab - Phased publishing monitoring

If job monitoring phases have been enabled for the Output Destinations tab, the tab looks like the following:



Figure: Job monitoring in the Datasources tab

### View details:

If a publishing job succeeds or fails, you can click **View details** in the status column for additional information on each phase of the publishing job:

## Details ×



### Data preview

# FM_ID	ABC Market_Name
1005627	Montgomery Farmers' Market
1002686	Hines Veterans Hospital Farmers Market
1004509	Montgomery Village Farmers Market
1001779	Farmstand at CHSAS
1008852	Monticello Farmers' Market
1007417	Farmville Farmers Market
1002538	Monticello Old Jail Market

Type ORACLE

Location MKOHLI\_TEST/test\_20190624\_193621

Size 3 columns · 3 types

Start Time June 24th 2019, 12:36 pm

### Publish details

Queued	In queue for 38 sec
Connect	Ran for <1 sec
Prepare	Ran for <1 sec
	5 connections

Figure: View details on monitoring ingest jobs