

# Overview of Job Monitoring

## Contents:

- *Monitoring Phases*
    - *Connect*
    - *Request*
    - *Transfer*
    - *Prepare*
    - *Process*
  - *Enable*
  - *Monitoring Jobs in the Application*
    - *Flow View*
    - *Import*
    - *Job Details Page*
- 

Designer Cloud Powered by Trifacta® supports detailed monitoring of a job throughout each phase of its execution.

## Limitations:

- Applies only to ingest and publishing jobs
- Applies 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, Designer Cloud Powered by Trifacta 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 Designer Cloud 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.

## 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

### 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.

The screenshot displays the 'SQL Dataset 1' details page. On the left, a sidebar shows the dataset's metadata: 'Last updated: 06/15/2020', 'Connection: postgres', 'Status: Completed - 10 sec', and 'Used in 1 Flow'. A central panel shows the job progress with three steps: 'Connect' (Ran for <1 sec), 'Request' (Ran for <1 sec), and 'Transfer' (Ran for <1 sec, 0.0017 MB, 0.0017 MB/sec). On the right, there are buttons for 'Wrangle in new Flow', 'Preview', 'Edit custom SQL', and a menu icon. Below this, a table lists the dataset's details: 'Name: Untitled Flow', 'Owner: Administrator', 'Objects: 1 Dataset, 1 Recipe', and 'Last Updated: Last Thursday at 9:17 PM'.

**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*.