


Trifacta Photon Running Environment

 **Feature Availability:** This feature is not available in Dataprep by Trifacta Legacy only.

Trifacta Photon is an in-memory running environment that is hosted on the Trifacta node. This environment is initialized only when a job is queued for execution on it. Designed for small- to medium-sized jobs, it offers superior performance due to its location on the Trifacta node and its in-memory processing.

When you choose to run a job in the Trifacta application, Trifacta Photon is selected as the default running environment if it is available and the job size is estimated to small or medium.

Tip: Trifacta Photon is also used for sampling jobs that are configured to use the Quick Scan method. For more information, see *Overview of Sampling*.

Tip: In the Run Job page, select **Photon** to run the job on this running environment.

Trifacta Photon is enabled by default but can be disabled as needed.

NOTE: Trifacta Photon may require enablement in your project of workspace. See *Configure Running Environments*.

NOTE: Jobs that are executed on Trifacta Photon may be limited to run for a maximum of 10 minutes, after which they fail with a timeout error. If your job fails due to this limit, please switch to running the job on Dataflow.

NOTE: Trifacta Photon cannot process numeric values with more than 16 digits. Columns containing such values are converted to String values, and the digits beyond 16 are converted to 0.

NOTE: When a recipe containing a user-defined function is applied to text data, any null characters cause records to be truncated during Trifacta Photon job execution. In these cases, please execute the job on Spark.