

# System Services and Logs

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The Trifacta® platform provides the following major services. For each of the listed service, any relevant logs are listed.

The logging levels for many of these services can be modified through the Admin Settings page. See *Configure Logging for Services*.

## Download Logs

System logs are maintained in the following directory: `/opt/trifacta/logs`

Administrators of the platform can now access all log files through the Trifacta application. For more information, see *Admin Settings Page*.

## Batch Job Runner

**Description:** This service manages the tracking of jobs submitted to the backend running environment.

Log File	Can Help With
<code>batch-job-runner.log</code>	<ul style="list-style-type: none"><li>• Service errors and crashes</li><li>• Determine execution environment of the job. Search for:<ul style="list-style-type: none"><li>• <code>LocalJobRunner</code> = local execution in Photon</li><li>• <code>YARNRunner</code> = execution in Spark</li></ul></li><li>• Communication errors back from environment</li><li>• Status information on jobs</li><li>• Status information on counts of job retries</li></ul>

## Data Service


**Description:** Service prepares queries against JDBC interfaces, using internal REST API calls.

Log File	Can Help With
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data-service.log	<ul style="list-style-type: none"> <li>• Initialization of communications through JDBC interface</li> <li>• Query failures</li> </ul>
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## Java UDF Service

**Description:** Service enables the execution of Java-based user-defined functions within a transform recipe.

Log File	Can Help With
java-udf-service.log	<ul style="list-style-type: none"> <li>• Status of the service</li> </ul> <div style="border: 1px solid green; padding: 5px; margin-top: 10px;">  <b>Tip:</b> You can pass through messages on errors through Logger to this log, which can assist in diagnosing issues. See <i>Java UDFs</i>.         </div>

## Machine Learning Service

**Description:** ML service provides machine learning capabilities for the platform.

Log File	Can Help With
ml_service.log	<ul style="list-style-type: none"> <li>• This log is likely to contain information that is only useful if the ML service has crashed.</li> </ul>

## Nginx Service

**Description:** Nginx is a proxy server embedded in the platform that serves the web application and other resources.

Log File	Can Help With
nginx_service.log	<ul style="list-style-type: none"> <li>• This log may be useful in identifying any warnings that occurred when the nginx services starts.</li> <li>• The <code>nginx</code> server may contain log information for the server that provides HTTP access.</li> </ul>

## Proxy

**Description:** The proxy (nginx) service manages requests from the user interface to the other components of the platform.

Log File	Can Help With
proxy_access.log	<ul style="list-style-type: none"> <li>• Shows any requests made through the nginx to the port used by the Trifacta platform.</li> </ul>
proxy_error.log	<ul style="list-style-type: none"> <li>• Contains any errors thrown by the nginx service when a request is made to the port used by the Trifacta platform.</li> </ul>

## Scheduling Service

**Description:** Handles all metadata related to scheduling

Log File	Can Help With
scheduling-service.log	<ul style="list-style-type: none"> <li>• Schedule-related issues</li> </ul>
scheduling-service.access.log	<ul style="list-style-type: none"> <li>• Gives information about accessed routes</li> </ul>

## Spark Job Service

**Description:** Service that manages jobs processed on Spark.

Log File	Can Help With
spark-job-service.log	<ul style="list-style-type: none"> <li>• Status of the service</li> <li>• Debugging issues with Spark jobs</li> <li>• See <i>Configure for Spark</i>.</li> </ul>

## Supervisord Server

**Description:** Process that starts, stops, and restarts services in the platform.

Log File	Can Help With
supervisord.log	<ul style="list-style-type: none"> <li>• Status information from platform services</li> </ul>

## Time-Based Trigger Service

**Description:** Handles all metadata related to the trigger service

Log File	Can Help With
time-based-trigger-service.log	<ul style="list-style-type: none"> <li>• schedules not triggering correctly</li> </ul>
time-based-trigger-service.access.log	<ul style="list-style-type: none"> <li>• Gives information about accessed routes</li> </ul>

## VFS Service

**Description:** Loads data from the various filesystems supported by the platform, both in the front-end user interface and in batch mode when the Trifacta Photon running environment is enabled. For more information, see *Running Environment Options*.

Log File	Can Help With
vfs-service.log	<ul style="list-style-type: none"> <li>• Client connection issues</li> <li>• Status issues with backend components</li> <li>• Information on batch jobs that cannot be started</li> </ul>

## Webapp Service

**Description:** Loads data from the various filesystems supported by the platform in the front-end user interface.

Log File	Can Help With
webapp.log	<ul style="list-style-type: none"><li>• Client connection issues</li><li>• Status issues with backend components</li><li>• Information on batch jobs that cannot be started</li></ul>

## Additional logs

### Job logs

The following sources of information may provide information related to job status and performance:

- job log
- spark log
- cdf script
- yarn application logs  
(if log aggregation is enabled)
- platform configuration file  
(  
trifacta-conf.json  
)
- batch job runner log
- spark service log
- hadoop conf directory  
(if accessible)