

MONITORING

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MONITORING

Overview of Data Factory Monitoring

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MONITORING INTERFACE

Overview of Pipeline Monitoring

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PIPELINE RECOVERY

Pipeline Recovery from Failures

4

ALERTS

Alerts in Azure Data Factory

5

METRICS

Metrics and Reporting in Azure Data Factory



SECTION 1

MONITORING

MONITORING

Overview of Monitoring in Azure Data Factory

Monitor the status of pipelines and triggers

VISUAL MONITORING

01

02

Re-run failed pipelines or triggers

RECOVERY FROM FAILURE

ALERTS

Send alerts and notifications on pipeline execution or base level metrics

03

04

METRICS

Gain visibility into supported data factory metrics and logs

MONITORING

What do we monitor in Azure Data Factory?

WHAT TO MONITOR?

DATA FACTORY RESOURCE

Monitor the state of a Data Factory resource

INTEGRATION RUNTIME

Monitor the status of the Integration runtime in data factory

TRIGGERS

Monitor the status of trigger runs

PIPELINES

Monitor the status of pipeline runs

ACTIVITIES

Monitor the status of pipeline activity runs



SECTION 2

MONITORING INTERFACE

MONITORING INTERFACE

Visual Monitoring in Azure Data Factory

Screencast

- Show the different sections of the Monitoring interface
 - Dashboard
 - Runs
 - Runtimes & Sessions
 - Notifications

An aerial photograph of a wide river with a large dam structure visible in the background. The river is a light blue-grey color, and the surrounding land is a mix of green and brown. The dam is a long, dark structure spanning the width of the river. The sky is a pale blue.

SECTION 3

PIPELINE RECOVERY

PIPELINE RECOVERY

Pipeline Recovery from Failures

Screencast

- Show a Pipeline failure
- Show how to rerun a pipeline (full and from a failed activity)



SECTION 4

ALERTS

ALERTS

Creating Alerts in Azure Data Factory

Screencast

Configure an Alert in Data Factory to send an email

Create a pipeline failure to trigger the alert

Review alerts within Azure Monitor



SECTION 5

METRICS

METRICS

Reporting Metrics in Azure Data Factory

Screencast

Review available metrics for Data factory within Azure Monitor

Add data factory metrics to the dashboard in Azure portal

MODULE SUMMARY

In this module we learnt



OVERVIEW

We got an overview of monitoring within data factory and what to monitor.

Monitoring Trigger runs, Pipeline runs, Activity runs



INTEGRATION

We learnt about Alerts and Metrics in data factory.

We learnt about how data factory metrics are available within Azure Monitor.



HANDS-ON

We learnt how to recover from a pipeline failure.

We also learnt how to get notifications when we have a pipeline failure.

How to configure metrics in Azure Monitor

REFERENCES

Visual Monitoring

<https://learn.microsoft.com/en-us/azure/data-factory/monitor-visually>

Re-run Pipelines

<https://learn.microsoft.com/en-us/azure/data-factory/monitor-visually#rerun-pipelines-and-activities>

Metrics and Alerts

<https://learn.microsoft.com/en-us/azure/data-factory/monitor-metrics-alerts>