

#### **MONITORING**

Overview of Data Factory Monitoring

#### **MONITORING INTERFACE**

Overview of Pipeline Monitoring

#### PIPELINE RECOVERY

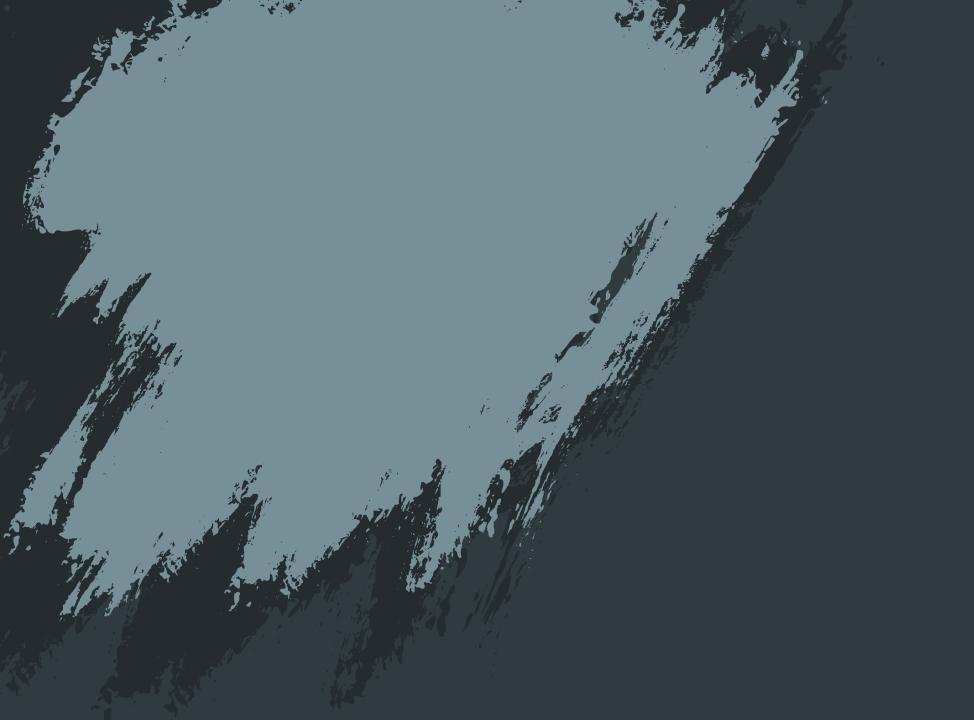
Pipeline Recovery from Failures

#### **ALERTS**

Alerts in Azure Data Factory

#### **METRICS**

Metrics and Reporting in Azure Data Factory



# SECTION 1 MONITORING

# **MONITORING**

Overview of Monitoring in Azure Data Factory

WISUAL MONITORING

O1

O2

Re-run failed pipelines or triggers

RECOVERY FROM FAILURE

O3

O4

METRICS

Gain visibility into supported data factory metrics and logs

# **MONITORING**

What do we monitor in Azure Data Factory?

DATA FACTORY RESOURCE

Monitor the state of a Data Factory resource

**INTEGRATION RUNTIME** 

Monitor the status of the Integration runtime in data factory

WHAT TO MONITOR?

**TRIGGERS** 

Monitor the status of trigger runs

**PIPELINES** 

Monitor the status of pipeline runs

**ACTIVITIES** 

Monitor the status of pipeline activity runs

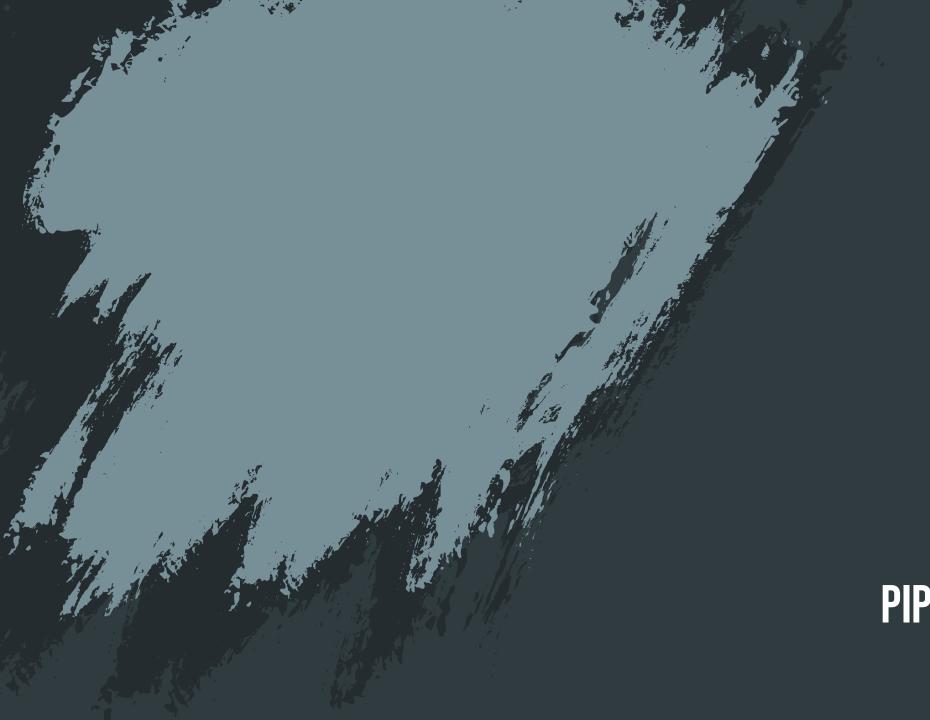


## MONITORING INTERFACE

Visual Monitoring in Azure Data Factory

#### Screencast

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



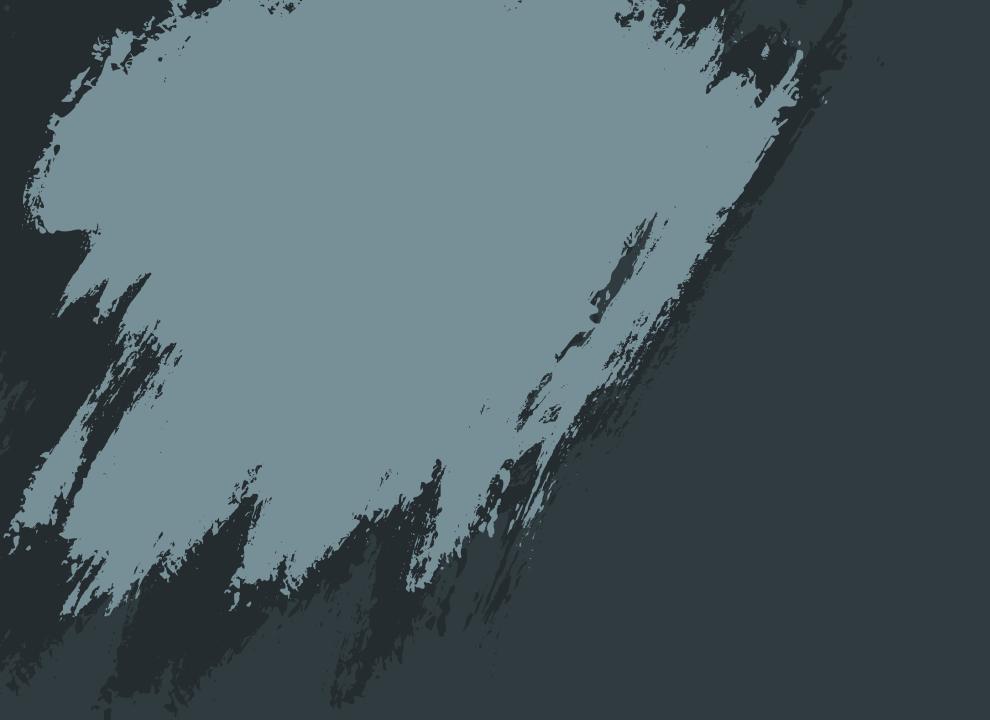
# SECTION 3 PIPELINE RECOVERY

### 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**

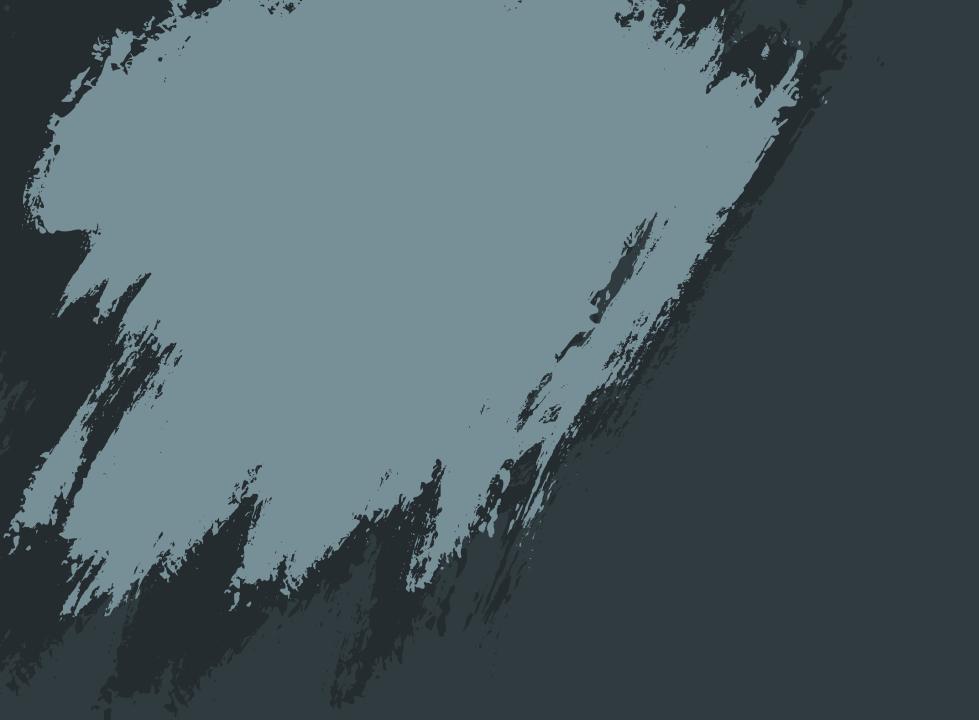
Creating Alerts in Azure Data Factory

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