

KOENIG SOLUTIONS · COURSE OUTLINE

Power Automate for Azure Data Engineers

Integrating with Fabric & Databricks

4 Days

DURATION

8

MODULES

28

TOPICS

3

HANDS-ON ACTIVITIES

Source states duration as '4 days' but the outline spans Day 1 through Day 13; discrepancy not resolved.

COURSE OVERVIEW

This course covers the fundamentals of Power Automate for data engineering scenarios, including flow types, licensing, and how it compares to Azure Data Factory and Logic Apps. It then examines triggers, connectors, and custom connectors for Databricks and Fabric APIs, followed by integrating Power Automate with Microsoft Fabric pipelines and OneLake, and with Databricks Jobs and Workflows including secure authentication and output handling. Later modules address monitoring and alerting with error handling and Application Insights, real-world event-driven scenarios and approval flows, and governance topics such as solutions, deployment pipelines, and Azure Key Vault. The course concludes with a final project combining Fabric pipelines, Databricks workflows, OneLake triggers, and Teams or Outlook alerting into a custom solution.

WHO THIS COURSE IS FOR

Azure Data Engineers

DataOps/Platform Engineers

Professionals familiar with Microsoft Fabric, Databricks, and Azure services

PREREQUISITES

- Familiarity with Microsoft Fabric and OneLake
- Hands-on experience with Azure Databricks
- Understanding of Azure Data Factory and Logic Apps
- Some exposure to APIs, REST, or webhooks is helpful

LEARNING OBJECTIVES

- Explain Power Automate concepts, flow types, and licensing
- Compare Power Automate with Azure Data Factory and Logic Apps
- Configure triggers and connectors for Azure services and data events
- Implement custom connectors for Databricks and Fabric APIs
- Trigger and monitor Fabric pipelines from Power Automate
- Automate OneLake data ingestion and catalog tagging
- Configure Databricks job triggers with secure authentication
- Apply error handling, retry strategies, and diagnostics for flows

8 Modules, 28 Topics

DAY 1

01

Power Automate Basics for Data Engineers

TOPICS

- What is Power Automate? Concepts and capabilities
- **Types of flows:** Automated, Instant, Scheduled, Desktop
- Licensing & environment considerations
- When to use Power Automate vs ADF vs Logic Apps

DAY 2

02

Triggers and Connectors

TOPICS

- **Working with triggers:** HTTP, schedule, Azure events
- **Connectors overview:** SharePoint, Outlook, Teams, Azure services
- Custom connectors for Databricks and Fabric APIs

DAY 3

03

Integrating with Microsoft Fabric

TOPICS

- Using Power Automate to trigger Fabric pipelines (Dataflows, Notebooks)
- Monitoring Fabric pipeline status with webhooks or REST API
- Automating OneLake data ingestion and catalog tagging

04

Databricks Integration

TOPICS

- Triggering Databricks Jobs and Workflows via REST API
- Authenticating securely (Azure AD, PAT tokens)
- Handling job outputs and failure conditions
- Sending results to Power BI, SharePoint, or alerts

2 Hands-ons

05

Monitoring & Alerts

TOPICS

- Error handling & retry strategies
- Flow logging and diagnostics (Run history, flow checker)
- Integration with Application Insights / Log Analytics

06

Real-World Scenarios

TOPICS

- Event-driven architecture (e.g. file landing in OneLake triggers Fabric pipeline via Power Automate)
- Slack-style alerts from Azure SQL triggers
- Automated metadata documentation
- Approval flows for data access or pipeline changes

07

Governance & CI/CD

TOPICS

- Organizing flows with solutions and environments
- Deployment pipelines for Power Automate
- Secure credential storage with Azure Key Vault

Hands-on

Final Project

Build and present a custom Power Automate solution integrating:

TOPICS

Fabric Pipeline · Databricks Workflow · OneLake trigger or data event · Alerting or approval flow in Teams/Outlook

HANDS-ON ACTIVITIES

Practise What You Learn

MODULE	ACTIVITY
Day 5	■ Create a simple flow that triggers on a schedule, sends Teams notification, and logs metadata in Excel ■ Create a flow that triggers a Databricks job on a schedule, monitors it, and sends an email if it fails
Day 9	End-to-end scenario: file drop in OneLake, trigger Fabric pipeline, on success, trigger Databricks job, send formatted summary to Teams

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

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Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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