

KOENIG SOLUTIONS · COURSE OUTLINE

Operationalize Cloud Analytics Solutions with Microsoft Azure

Learn to build and manage end-to-end cloud analytics solutions using Azure Data Factory, from data movement to deployment.

2

MODULES

13

TOPICS

10

HANDS-ON LABS

COURSE OVERVIEW

This course covers how to use Azure Data Factory to centrally manage data from different sources. It addresses creating a data factory, building data-driven workflows, and monitoring and managing the factory. It also covers moving, transforming and analysing data, and designing a deployment strategy for an end-to-end solution. An optional appendix covers using PowerShell to administer computer, network, application and Azure resources.

WHO THIS COURSE IS FOR

Data Engineers

Cloud Solution Architects

Azure Administrators

Technology Professionals

IT Administrators

LEARNING OBJECTIVES

- Create a data factory in Azure
- Build a data-driven workflow
- Monitor and manage a data factory
- Move, transform and analyse data
- Design a deployment strategy for an end-to-end solution
- Configure and use PowerShell for administration
- Create and run PowerShell scripts
- Administer local and network resources with PowerShell

2 Modules, 13 Topics

01

5 Labs

Operationalize End-to-End Cloud Analytics Solutions

This module explains how to use Azure Data Factory to centrally manage data from different sources.

LESSONS

- Create a data factory
- Create a data-driven workflow
- Monitor and manage the data factory
- Move, Transform and Analyze Data
- Design a deployment strategy for an end-to-end solution
- Review

02

5 Labs

Appendix B: PowerShell for Technology Professionals (Optional)

This module explains how to use PowerShell to administer computer, network, application and Azure resources.

LESSONS

- Introduction
- Compared to Other Scripting Languages
- Configuring and Using PowerShell
- Creating and Running Scripts
- Administering Local Resources
- Administering Network Resources
- Resolve PowerShell Scripting Problems

NOTES

Additional Reading

- To help you prepare for this class, review the following resources: 55224-1A - Microsoft Azure Big Data Analytics Solutions

Practise What You Learn

#	MODULE	ACTIVITY
01	Operationalize End-to-End Cloud Analytics Solutions	■ Operationalize end-to-end cloud analytics solutions: Create a data factory ■ Create a data-driven workflow ■ Monitor and manage the data factory ■ Move, Transform and Analyze Data ■ Design a deployment strategy for an end-to-end solution
02	Appendix B: PowerShell for Technology Professionals (Optional)	■ Lab B: Operationalize end-to-end cloud analytics solutions: Use PowerShell to get Computer Information ■ Use PowerShell documentation to understand and use cmdlets ■ Create and execute scripts ■ Configure and test Remote Management ■ Create and Azure VM with Azure PowerShell

WHAT IS INCLUDED

Everything You Need to Succeed

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

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