

KOENIG SOLUTIONS · COURSE OUTLINE

Microsoft Cloud Workshop: Azure Synapse Analytics and AI

Learn to design and build Azure Synapse Analytics and AI solutions, from data exploration to security and monitoring.

2

MODULES

11

TOPICS

COURSE OVERVIEW

This course covers a whiteboard design session in which a customer case study is reviewed, a proof of concept solution is designed and then presented. It continues with a hands-on lab covering the Azure Synapse Analytics workspace, creating and populating supporting tables in the SQL Pool, and exploring raw parquet and text-based data with Azure Synapse SQL Serverless. The lab also addresses Synapse Pipelines and Cognitive Search, along with security, machine learning and monitoring within Azure Synapse Analytics.

WHO THIS COURSE IS FOR

Data Engineers

Solution Architects

Data Analysts

Machine Learning Engineers

Cloud Administrators

LEARNING OBJECTIVES

- Review a customer case study to identify business requirements
- Design a proof of concept solution for Azure Synapse Analytics
- Present a proposed solution to stakeholders
- Access and navigate the Azure Synapse Analytics workspace
- Create and populate supporting tables in the SQL Pool
- Explore raw parquet and text-based data with SQL Serverless
- Configure Synapse Pipelines and Cognitive Search
- Apply security and monitoring within Azure Synapse Analytics

2 Modules, 11 Topics

01

Whiteboard Design Session - Azure Synapse Analytics and AI

LESSONS

Review the customer case study · Design a proof of concept solution · Present the solution

02

Hands-On Lab - Azure Synapse Analytics and AI

LESSONS

- Accessing the Azure Synapse Analytics workspace
- Create and populate the supporting tables in the SQL Pool
- Exploring raw parquet
- Exploring raw text based data with Azure Synapse SQL Serverless
- Synapse Pipelines and Cognitive Search
- Security
- Machine Learning
- Monitoring

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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