

KOENIG SOLUTIONS • COURSE OUTLINE

Create a Data-Driven Strategy: Build a Unified Data Ecosystem with Microsoft Fabric and Synapse Analytics

Learn to build a unified data ecosystem with Microsoft Fabric and Azure Synapse Analytics to drive non-profit decisions and impact.

1 Hour

DURATION

4

MODULES

23

TOPICS

COURSE OVERVIEW

This training session is designed to help non-profit organizations harness the power of data to drive decision-making, improve donor engagement, and measure impact effectively. Participants will learn how to build a unified data ecosystem using Microsoft Fabric and Azure Synapse Analytics. The session will cover the fundamentals of these tools, their key components, and how they can be integrated to create a seamless data strategy. Attendees will also explore practical use cases, such as data integration, AI-driven insights, and visualization, tailored specifically for non-profits. By the end of the session, participants will have a clear understanding of how to leverage these Microsoft technologies to transform their data into actionable insights.

Who Should Attend

Non-profit leaders and decision-makers: Executive directors, program managers, and board members who want to understand how data-driven strategies can improve organizational outcomes

Data and IT professionals in non-profits: Data analysts, IT managers, and technical staff responsible for managing data systems and infrastructure

Fundraising and donor engagement teams: Professionals focused on improving donor relationships and optimizing fundraising efforts

Program and impact evaluation teams: Staff responsible for measuring and reporting the impact of non-profit programs

Anyone interested in data-driven strategies: Individuals looking to learn how Microsoft tools can help non-profits achieve their mission more effectively

PREREQUISITES

To get the most out of this session, participants should have:

- Basic understanding of data concepts: Familiarity with terms like data integration, data governance, and analytics.
- Awareness of non-profit operations: Knowledge of common non-profit challenges, such as donor management, program tracking, and impact reporting.
- Interest in Microsoft technologies: No prior experience with Microsoft Fabric or Synapse Analytics is required, but a willingness to learn about these tools is essential.
- Awareness about Microsoft Azure: Knowledge of cloud concepts and Azure services related to data storage, data integration, and data analytics would be recommended for better understanding of the proposed unified solution.

LEARNING OBJECTIVES

- Explain why data-driven strategies matter for non-profits
- Describe Microsoft Fabric components such as Lakehouse and Pipelines
- Identify key features of Azure Synapse Analytics
- Explain how Azure AI Foundry supports AI-driven insights
- Apply data integration to connect disparate sources into a data lake
- Analyse large-scale data with Azure Synapse for real-time insights
- Apply AI to predict outcomes and automate repetitive tasks
- Build dashboards in Power BI to share insights with stakeholders

COURSE SYLLABUS

4 Modules, 23 Topics

01

Introduction

02

Why Data-Driven Strategies Matter for Non-Profits

TOPICS

Improving decision-making · Enhancing donor engagement and fundraising · Measuring and reporting impact effectively

03

Overview of Microsoft Tools

INTRODUCTION TO MICROSOFT FABRIC

- Understanding Microsoft Fabric
- **Key Components:** Lakehouse architecture
- **Key Components:** Fabric Pipelines, Dataflows, and Spark
- **Key Components:** Fabric Data Warehouse
- **Key Components:** Real-Time Intelligence

AZURE SYNAPSE ANALYTICS FOR ADVANCED ANALYTICS

- Overview of Azure Synapse Analytics
- **Key Features:** Unified analytics service for data integration, warehousing, and big data
- **Key Features:** On-demand querying and serverless architecture
- **Key Features:** Integration with Microsoft Fabric for seamless data access

AZURE AI FOUNDRY (BRIEF OVERVIEW)

- Introduction to Azure AI Foundry
- **Key Features:** Model development and management
- **Key Features:** Integration with Microsoft Fabric for AI-driven insights

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Building a Unified Data Ecosystem

DATA INTEGRATION WITH MICROSOFT FABRIC

- Connect disparate data sources
- Create a centralized data lake for analytics

ADVANCED ANALYTICS WITH AZURE SYNAPSE ANALYTICS

- Perform large-scale data processing and analytics
- Enable real-time insights and reporting

LEVERAGING AI FOR NON-PROFIT IMPACT

- Use AI to analyze behavior and patterns, predict outcomes, and optimize programs
- Automate repetitive tasks

VISUALIZATION AND REPORTING WITH POWER BI

- Create dashboards to track key metrics
- Share insights with stakeholders

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)

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Flexi (Self-Paced)

1-on-1 Training

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