

Operationalize Cloud Analytics Solutions with Microsoft Azure Training

Course Duration: 16 Hours

Course Code: AZ-1005

1. Course Overview

This course focuses on implementing and managing cloud-based analytics solutions using Microsoft Azure. It covers data ingestion, transformation, orchestration, and monitoring using Azure services. Learners will gain hands-on experience in building scalable analytics pipelines and operationalizing data workflows for business insights.

2. What You'll Learn

- Design and implement cloud analytics solutions on Azure
- Work with Azure Data Factory and Azure Synapse Analytics
- Build and manage data pipelines
- Perform data transformation and integration
- Monitor and optimize analytics solutions
- Implement security and governance in data workflows

3. Target Audience

- Data Engineers
- Data Analysts
- Cloud Professionals
- BI Developers
- IT Professionals working with data solutions
- Anyone interested in Azure-based analytics

4. Pre-Requisites

- Basic knowledge of cloud computing concepts
- Familiarity with data processing and databases
- Understanding of SQL
- Basic knowledge of Microsoft Azure fundamentals (recommended)

5. Course Content

- Introduction to Cloud Analytics on Azure
- Azure Data Services Overview
- Data Ingestion with Azure Data Factory
- Data Transformation Techniques
- Working with Azure Synapse Analytics
- Data Storage Solutions in Azure
- Pipeline Orchestration and Automation
- Monitoring and Troubleshooting
- Data Security and Governance
- Real-world Projects and Case Studies