

5 Days

20776: Performing Big Data Engineering on Microsoft Cloud Services

This 5-days extensive course helps you to use Azure tools and services for processing big data. The tools and services include Azure Stream Analytics, Data Lake, Data Factory, SQL Data Warehouse, and, etc. you will also learn to custom functions, integrate R and Python.

Course Objective:

On completion of this course, you will be able to describe the following:

- Architectures to process big data with Azure services and tools
- Design and implement stream processing using Stream Analytics
- Incorporate machine learning activities and custom the functions
- Use Azure Data lake for large-scale repository, exam and process data
- Deploy custom functions and operations, integrate R and Python
- Create repository with Azure SQL Data Warehouse
- Process analytics, maintain performance and protect data
- Import, transform and transfer data using Data factory

Course Details

Course Outline

- Module 1: Architectures for Big Data Engineering with Azure
- Module 2: Processing Event Streams using Azure Stream Analytics
- Module 3: Performing custom processing in Azure Stream Analytics
- Module 4: Managing Big Data in Azure Data Lake Store
- Module 5: Processing Big Data using Azure Data Lake Analytics
- Module 6: Implementing custom operations and monitoring performance in Azure Data Lake Analytics
- Module 7: Implementing Azure SQL Data Warehouse
- Module 8: Performing Analytics with Azure SQL Data Warehouse
- Module 9: Automating the Data Flow with Azure Data Factory

Who Should Attend

- Data Engineers
- IT Professionals
- Developers
- Information Workers

Pre Requisite

The participating individual must have knowledge on

- Azure Data Services
- MS Windows operating system
- Relational databases

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Date - Jun 13, 2025