

Processing Big Data with Azure Data Lake Analytics

Modality: Self-Paced Learning

Duration: 16 Hours

SUBSCRIPTION: Learn, Master, Master Plus

About this course:

Want to store and process data at scale? This data analysis course teaches you how to apply the power of the Azure cloud to big data using Azure Data Lake technologies.

Learn how to manage data in Azure Data Lake Store and run U-SQL jobs in Azure Data Lake Analytics to generate insights from structured and unstructured data sources.

Note: To complete this course, you will need a Microsoft Azure subscription. You can sign up for a free trial subscription at <http://azure.microsoft.com>, or you can use your existing subscription. The labs have been designed to minimize the resource costs required to complete the hands-on activities.

Course Objective:

- Azure Data Lake technologies to store and process data using U-SQL jobs
- Create and use U-SQL catalog objects
- Extend your data processing scripts with custom C# code
- Monitor and optimize U-SQL jobs

Audience:

- Data Analyst
- Programmers

Prerequisite:

- There are no prerequisite required for this course

Course Outline:

Getting Started with Azure Data Lake Analytics

- Introduction to Azure Data Lake Analytics
- U-SQL Fundamentals
- Lab: Getting Started with Azure Data Lake
- Module Review

Using a U-SQL Catalog

- Introduction to U-SQL Catalogs
- U-SQL Database Objects
- Lab: Using a U-SQL Catalog
- Module Review

Using C# Functions in U-SQL

- Using C# in U-SQL
- Lab: Using C# in U-SQL
- Module Review

Monitoring and Optimizing U-SQL Jobs

- Monitoring U-SQL Jobs
- Optimizing U-SQL Jobs
- Lab 4: Monitoring U-SQL Execution
- Module Review

Final Challenge

- Final Challenge?