Processing Big Data with Azure Data Lake Analytics

Modality: On Demand

Duration: 16 Hours

About this course:

Need to process and store information at scale? This course of data analysis shows you how to implement the intensity of the cloud of Azure to big data utilizing the technologies of Azure Data Lake.

Figure out how to oversee information in Azure Data Lake Store and run the jobs of U-SQL in the Analytics of Azure Data Lake to produce bits of knowledge from unstructured and structured information sources.

Note: To finish this course, you will require a subscription to MS Azure. You can log in to a free preliminary membership at http://azure.microsoft.com, or you can utilize your current membership. The labs have been intended to limit the costs of resources required to finish the hands-on exercises.

Course Objective:

- Technologies of Azure Data Lake to process and store data utilizing U-SQL jobs
- Make and use U-SQL index objects
- Expand your scripts of data handling with custom C# code
- Look and optimize U-SQL jobs
- Overview to the Analytics of Azure Data Lake
- Learn the fundamentals of U-SQL
- Getting Started with Azure Data Lake
- U-SQL Database Objects
- Using C# in U-SQL
- Monitoring U-SQL Execution
- Optimizing U-SQL Jobs

Audience:

Programmers

Data Analyst

Prerequisite:

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?