

Processing Real-Time Data Streams in Azure

Modality: Self-Paced Learning

Duration: 16 Hours

SATV Value:

CLC:

NATU:

SUBSCRIPTION: Learn, Master

About this course:

Do you need to process and capture real-time data in the cloud?

This course of data analysis shows you how to utilize the technologies of MS Azure like IoT Hubs, Event Hubs, and Stream Analytics to build real-time solutions of Internet-of-Things (IoT) at scale.

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

Course Objective:

- Capturing real-time data with Azure Event Hubs and IoT Hubs
- Introduction to Azure Stream Analytics
- Getting Started with Azure Stream Analytics
- Handling real-time data with the Stream Analytics of Azure
- Aggregating information in temporal windows
- Checking solutions of streaming in Azure

Audience:

- Programmers
- Data Analyst

Prerequisite:

No prerequisite required for this course

Course Outline:

Ingesting Real-Time Data with Azure Event Hubs

- Getting Started with Event Hubs
- Lab: Using Azure Event Hubs

- Module Review

Ingesting Real-time Data with Azure IoT Hubs

- Getting Started with IoT Hubs
- Lab: Using IoT Hubs
- Module Review

Getting Started with Azure Stream Analytics

- Introduction to Azure Stream Analytics
- Lab: Getting Started with Azure Stream Analytics
- Module Review

Working with Temporal Windows

- Aggregating Data in Temporal Windows
- Lab: Aggregating Streaming Data
- Module Review

Final Challenge and Post-Course Survey

- Final Challenge?