Microsoft Community Workshop

Kusto Query Language in a Day

Duration: 1 day [Onsite/Remote] | **Focus Area:** Operations and Monitoring | **Difficulty:** 300 - Advanced

Intended Audience

The following roles will find this community workshop useful. Others may also attend, as described in the secondary Audience section.

Primary Audience: Data Governor, Data Officer, Data Analyst and Security Officer

Secondary Audience: Cloud Architect, Developers, Database Administrators

Overview

This is a 1-day workshop for Kusto right from basics of Kusto to Advanced (Level 300). There is an option for hand-on lab as well which can be done by swapping out the advance part which can be discussed during scoping.

Objectives

After completing this training, you will be able to:

- Basics of Kusto Query Language(KQL)
- Functions, datasets and advance functions in KQL
- Datasets in KQL

Scoping

This workshop has an advanced section which can be swapped in by Hands-on-Labs based on the discussion with customer on what customer prefers.

Key takeaways

Course material

- Kusto Query Language Basics (syntax and semantics)
- Datasets
- Functions
- Kusto use cases

Agenda

The offering is a mix of concepts and demos:

Day 1

- Introduction to Kusto Query Language
- Functions
- Datasets
- Advanced Functions(can be swapped with Labs)

Microsoft

Course details

Module 1: Introduction to Kusto Query Language

- Entities and Data Types
- Essential Elements - basic aggregate functions
- Graph output using Visualization/ render commands
- KQL Tools
- Kusto Explorer
- CLI
- Demos

Module 2: Functions

- String Functions
- Parsing Functions
- Datetime Functions
- Mathematical functions
- Conversion Functions
- Window functions
- Demos

Module 3: Datasets

- Datatable
- Joins
- Union
- Let Statement
- Set Statement
- Batches
- Demos

Module 4: Advance Functions

- Pivot
- Basket
- Auto cluster
- Time Series Insights

Pre-requisites

Before attending this course, it is recommended that you meet the following criteria

- You understand that you are aware of Log Analytics
- Basic knowledge of the Microsoft Azure platform.
- Be familiar with maneuvering around Azure portal.
- In order to execute the Hands-On Lab, attendees **must have their own subscription**. Lab Azure subscriptions will not be provided for the course.

If you are new to these, here are a few references you can complete prior to class:

•Log Analytics
•Microsoft Azure

For more information

Contact your Microsoft Account Representative for further details.