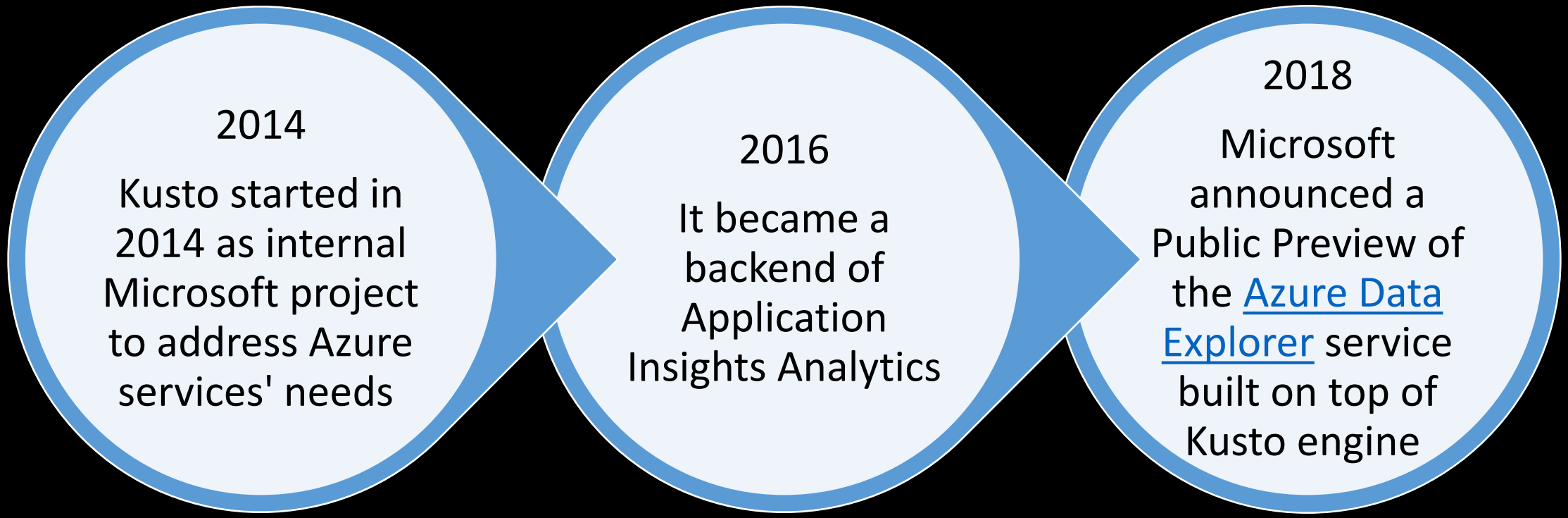
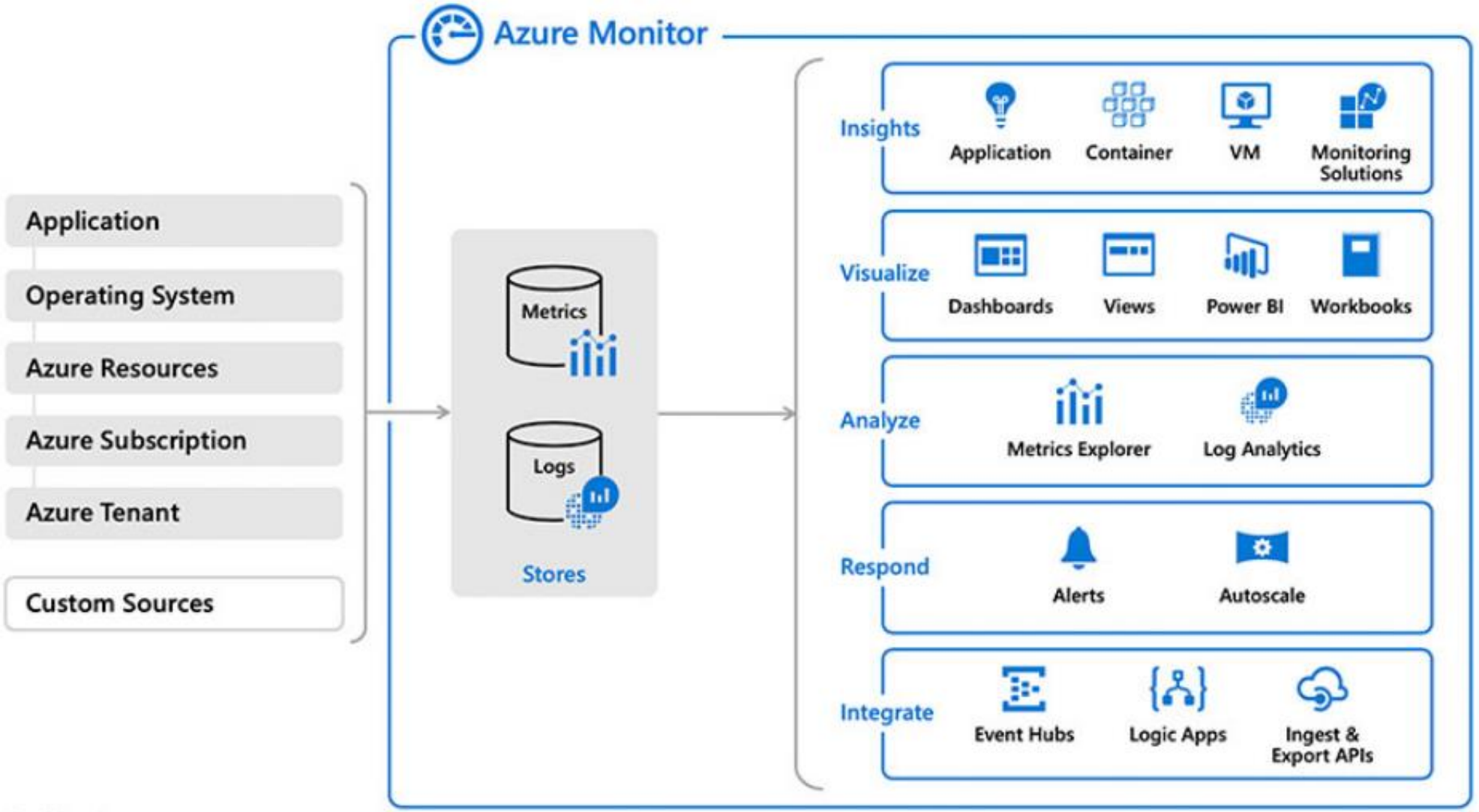
Kusto - Azure Monitor Log Queries

Taiob Ali

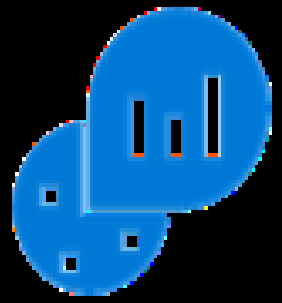

2014
Kusto started in 2014 as internal Microsoft project to address Azure services' needs
2016
It became a backend of Application Insights Analytics
2018
Microsoft announced a Public Preview of the Azure Data Explorer service built on top of Kusto engine

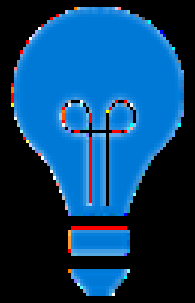


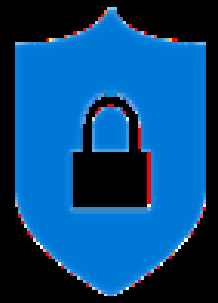
https://docs.microsoft.com/en-us/azure/azure-monitor/overview

WHERE TO USE KQL

- Azure Log Analytics
- Azure Application Insights
- Windows Defender
- Advanced Threat Protection
- Azure Security Center







Not another one, can I use TSQL?

- Azure Monitor – NO
- Azure Data Explorer - YES

While **SQL Queries** to Kusto are supported, the primary means of interaction with Kusto is through the use of the **Kusto query language** to send data queries, and through the use of **control commands** to manage Kusto entities, discover metadata, etc.

Primary means of interaction with Kusto is through the use of the Kusto query language

How can I learn?

Check the reference slide

Demo environment

- https://aka.ms/LADemo
- https://aka.ms/AIAnalyticsDemo
- https://aka.ms/WidDevATP

Reference

- Azure Monitor overview
- Pluralsight course ‘Kusto Query Language (KQL) from Scratch by Robert Cain
- Get started with log queries in Azure Monitor
- Common Query Samples
- Write queries for Azure Data Explorer
- SQL to Azure Monitor log query cheat sheet
- SQL to Analytics Language cheat sheet
- Azure AD Log Analytics KQL queries via API with PowerShell
- Operations Management Suite 101: Log Analytics Queries 101
- Log Analytics Advanced Queries by Marc Kean


Demo

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Work

- Microsoft MVP – Data Platform
- 13 years as DBA
- MCSE Data Management and Analytics

Outside Work

- Running—One 26.2 and Many 13.1
- Shuttling 3 kids

Giving Back

- Organizer @SqlSaturdayBoston and Co-organizer NESQL UG
- Frequent speaker local user groups, SQL Saturdays & Virtual groups
- Answering questions at #sqlhelp & dba.stackexchange
- Blog at sqlworldwide.com


THANK
YOU