

Kusto - Azure **Monitor Log Queries**

Taiob Ali





Taioab Ali

Database Solutions Manager, GMO LLC



<http://sqlworldwide.com/>



/sqlworldwide



@sqlworldwide



taioab@sqlworldwide.com

Data Professional

Microsoft Data Platform MVP. 15 Years working with Microsoft Data Platform. Microsoft and MongoDB certified. Worked in ecommerce, healthcare and finance industry.

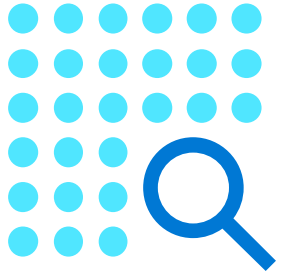
Giving Back

Board member NESQL user group and Founder of DBA virtual group. Organizer of Boston SQL Saturday. Frequent speaker at local and virtual user groups, Data Saturdays and Azure conferences.

When Not Working

Running – 1x26.2 and 30+x 13.1, Learning US history. Shuttling 3 kids.

Kusto Query Language



- Optimized **query language** with **visualization** options
- For **fast read-only** data retrieval
- **Troubleshooting** & deep diagnostics
- Real-time stream / big data **analytics**

Use KQL to connect and query these Azure Services:



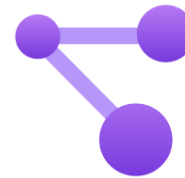
Azure Data Explorer



Log Analytics

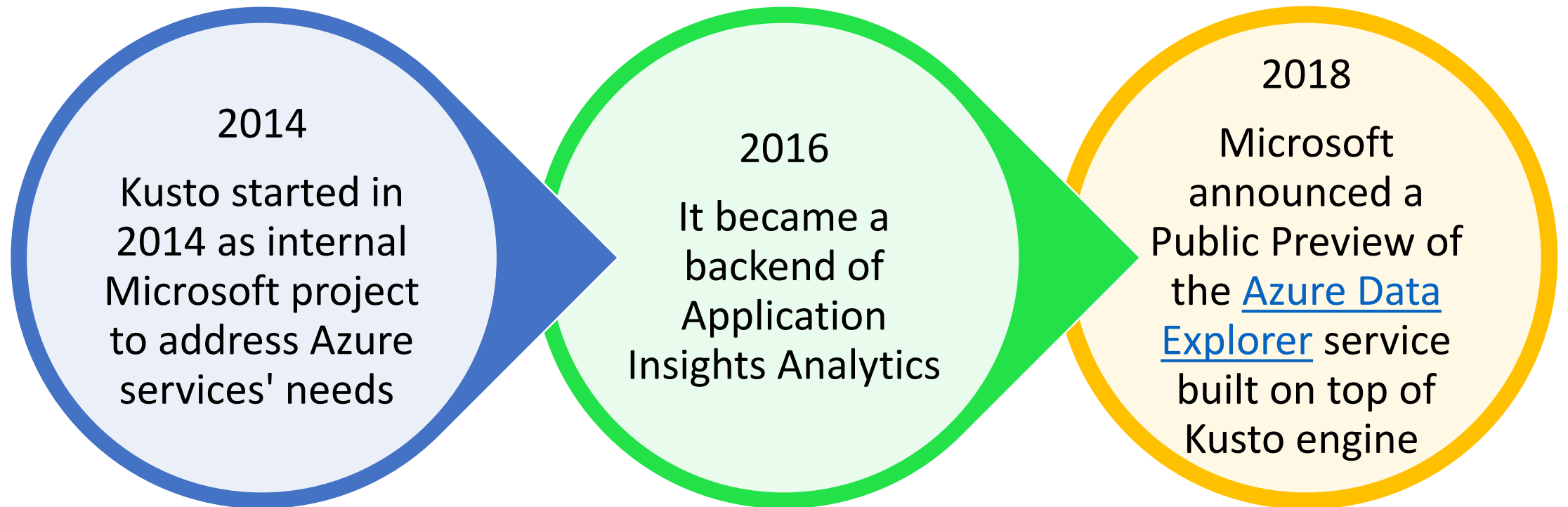


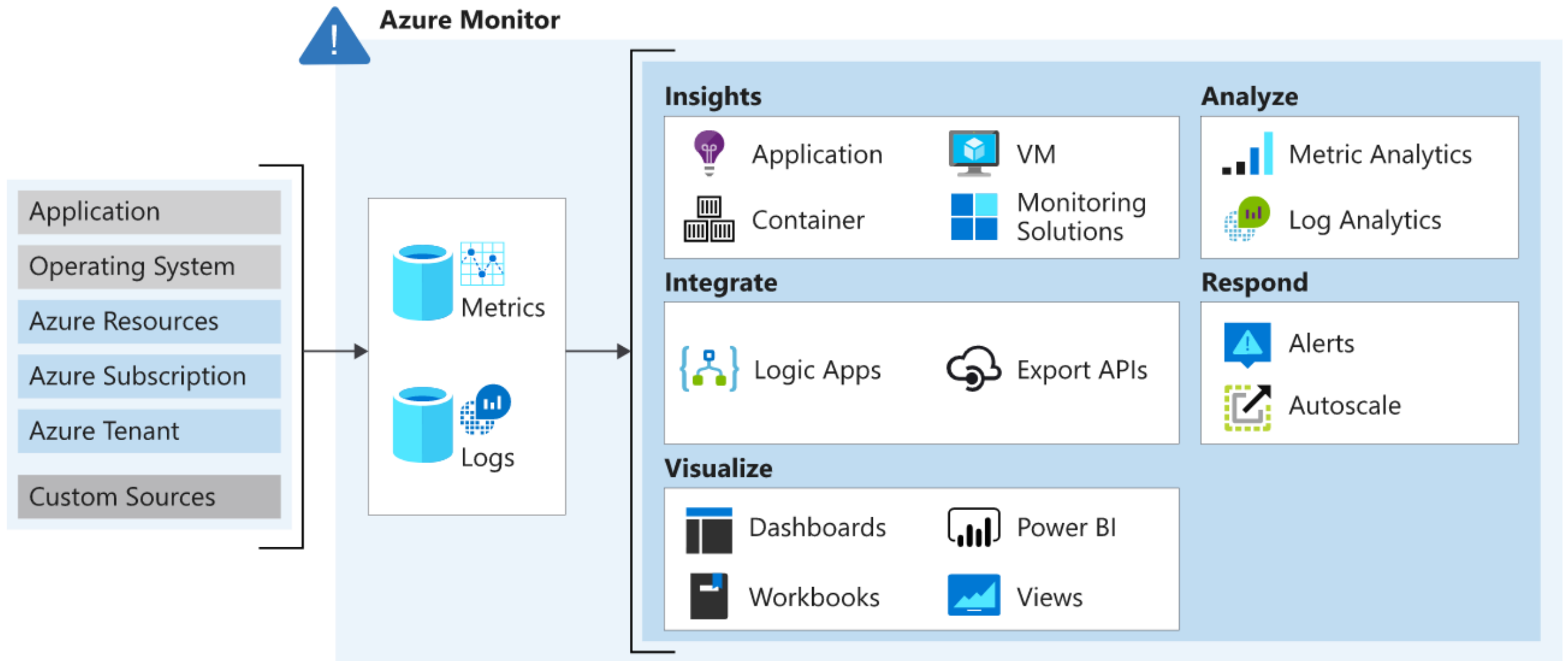
App Insights



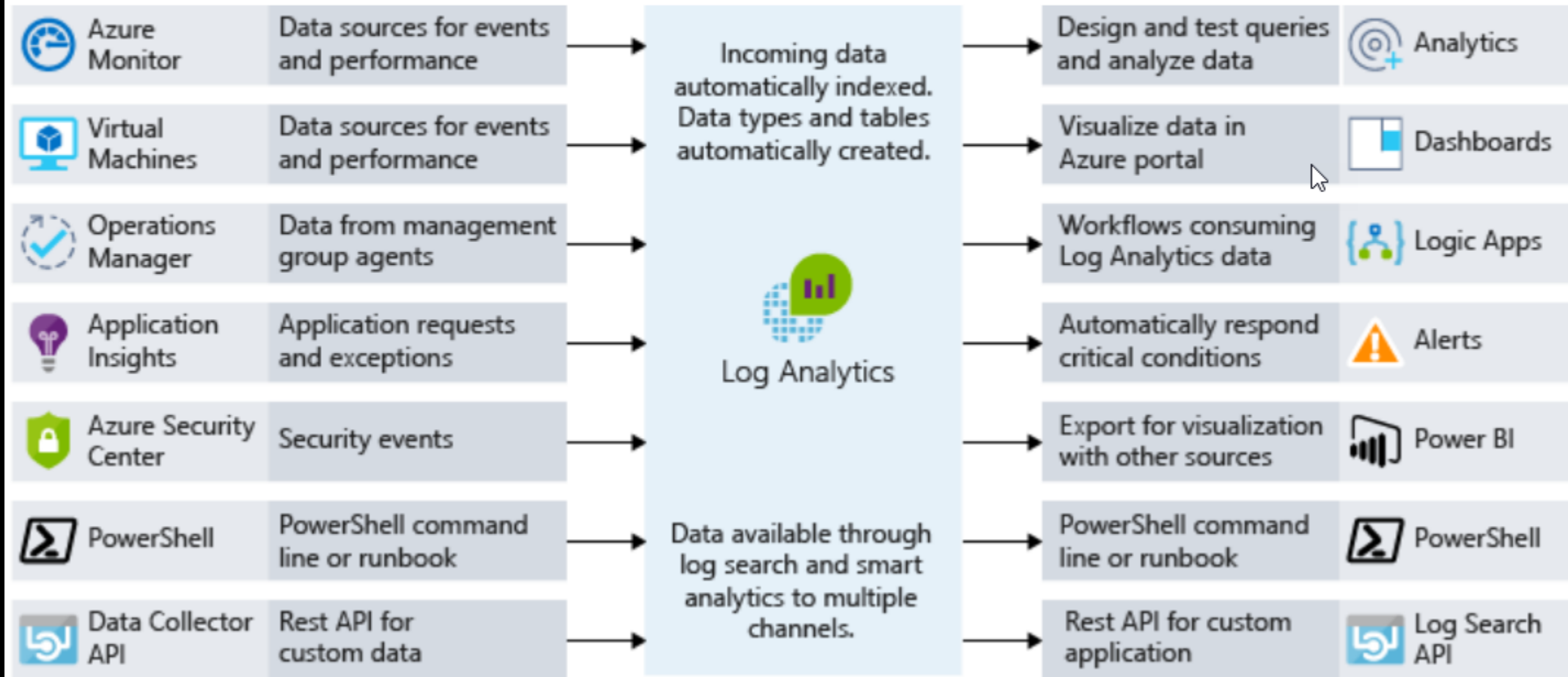
Resource Graph

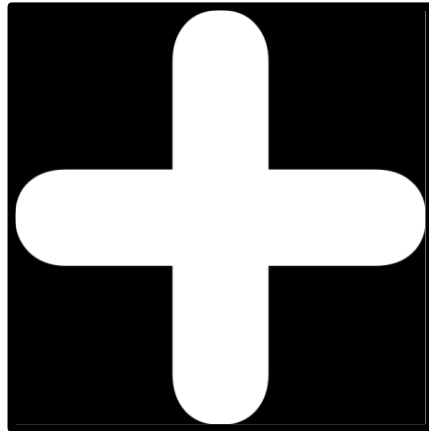
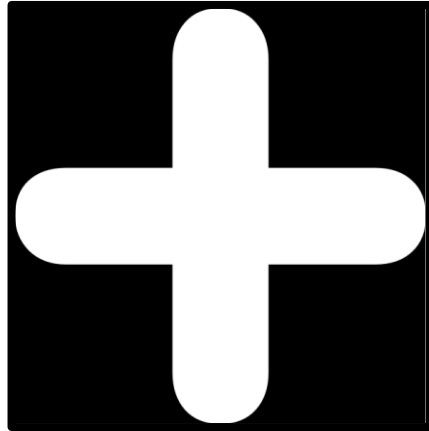


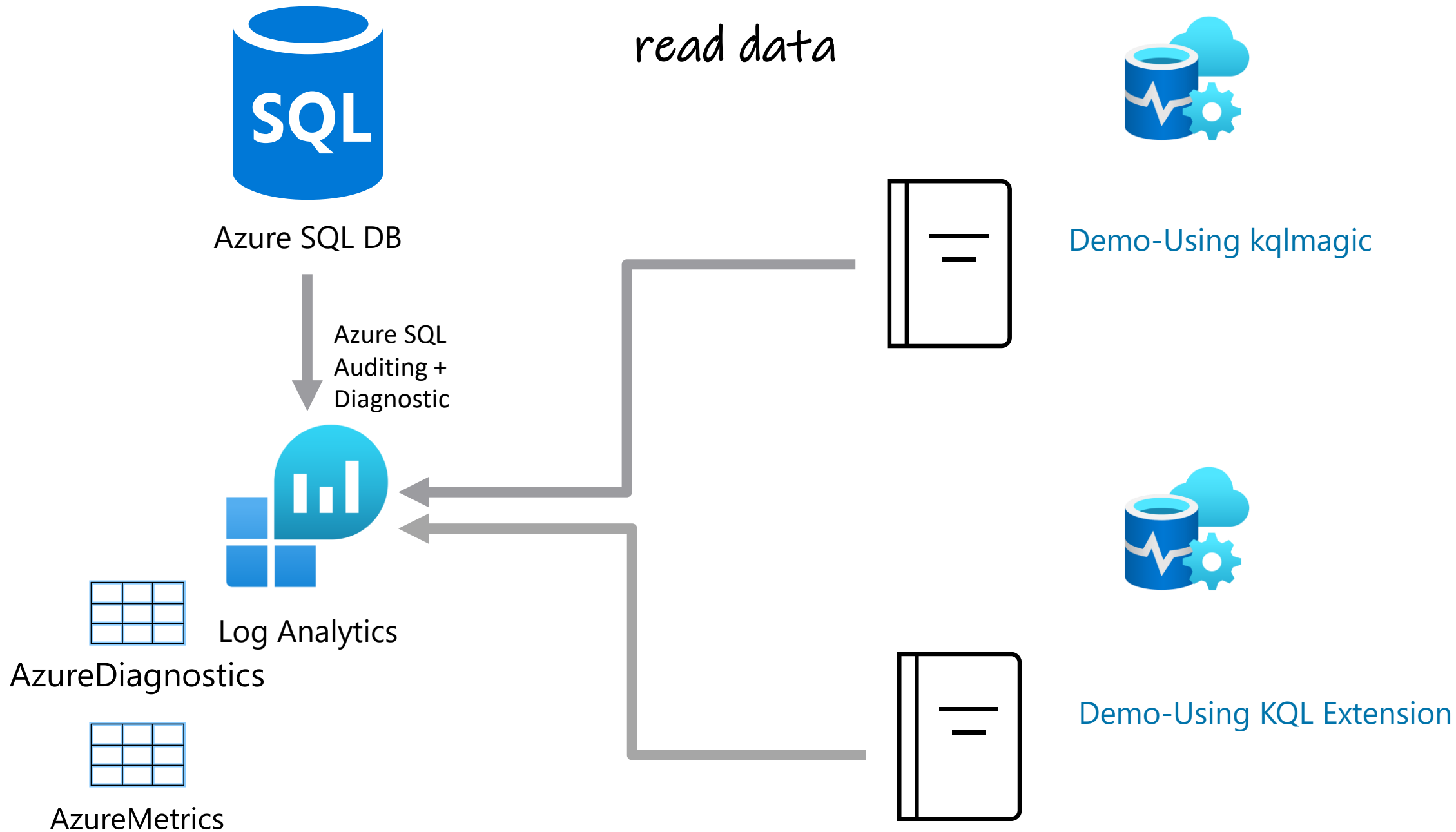




Centralized Logging







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
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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>



ADS 1.30.0

Azure Portal

Azure SQL Database

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
- [Kqlmagic extension in Azure Data Studio](#)



@sqlworldwide



linkedin.com/in/sqlworldwide



sqlworldwide.com



taio@sqlworldwide.com

