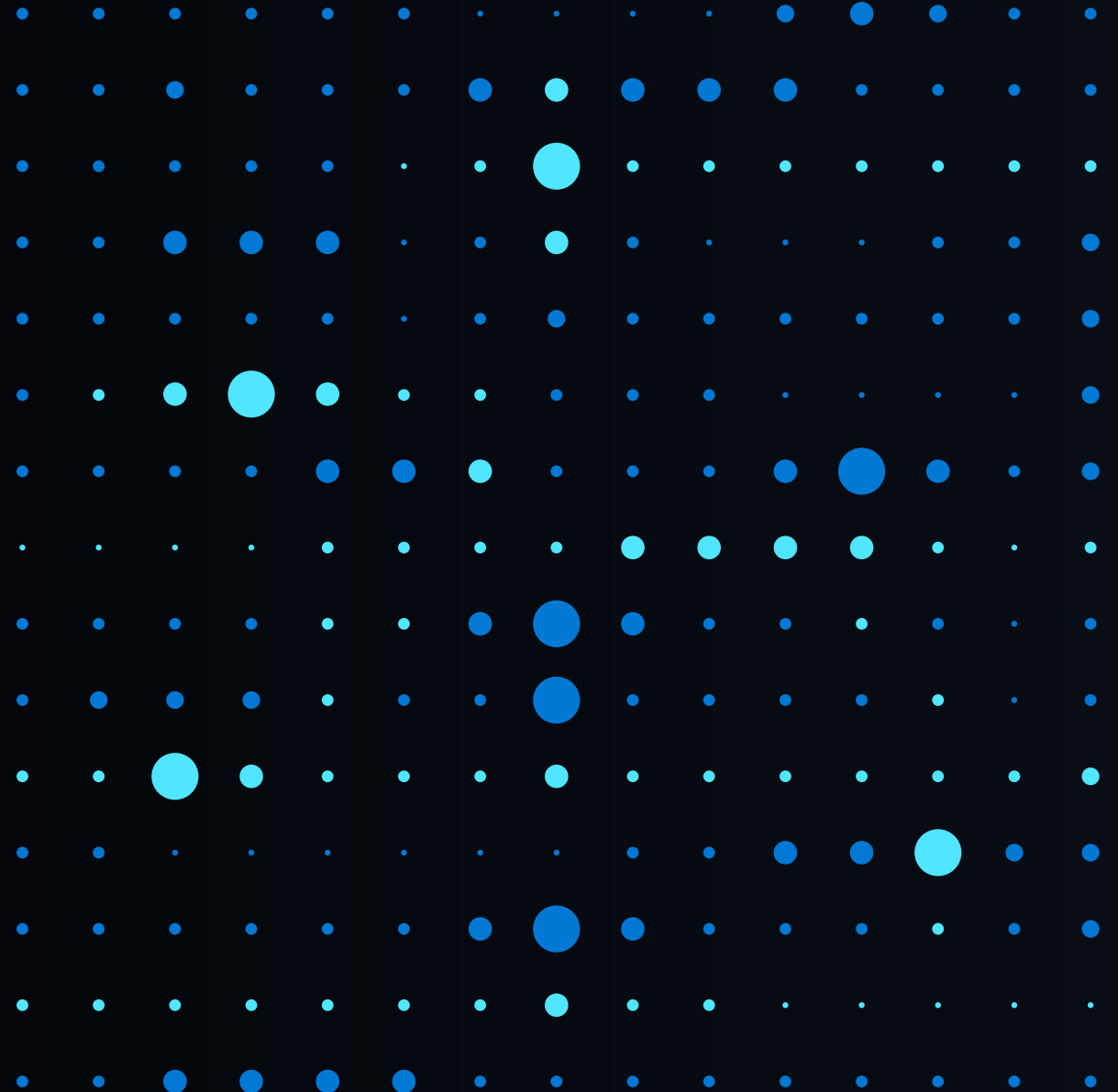




Activate Azure SQL Performance Tuning and Optimization

Ceridian
January 16th – 19th
8:00am – 4:00pm EST





John Deardurff

Cloud Solution Architect - Engineer (Data & AI)

Microsoft Certified Trainer (Regional Lead)

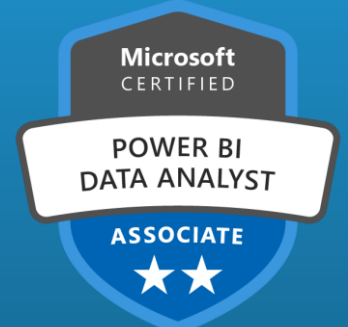
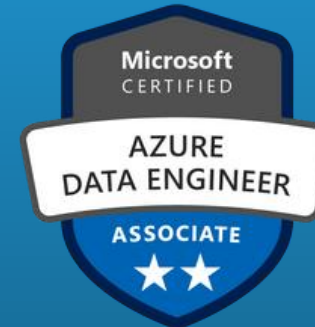
MVP: Data Platform (2016 – 2018)

Email: John.Deardurff@Microsoft.com

Twitter: [@SQLMCT](https://twitter.com/SQLMCT)

Website: www.SQLMCT.com

GitHub: github.com/SQLMCT

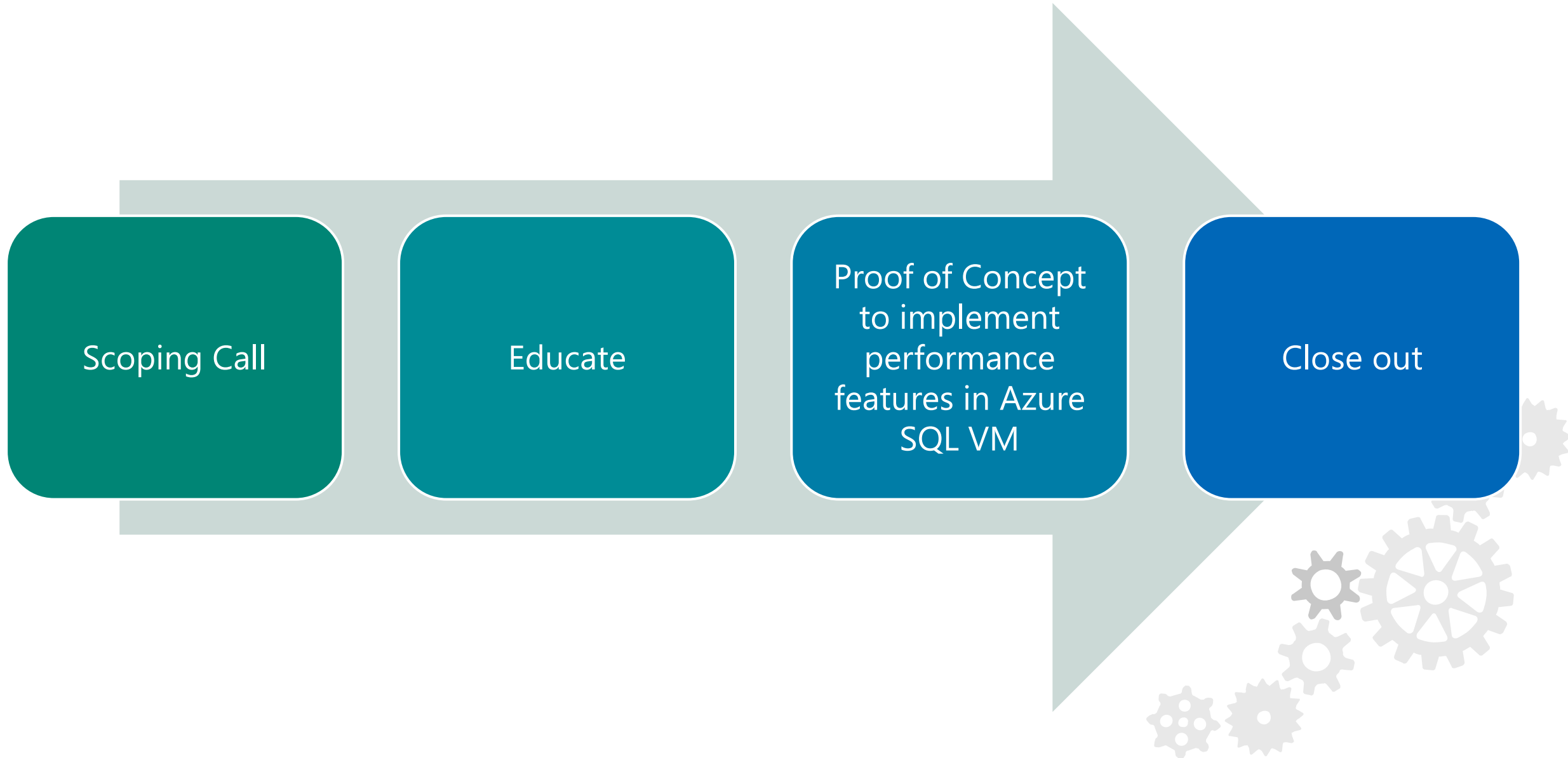


Engagement Overview

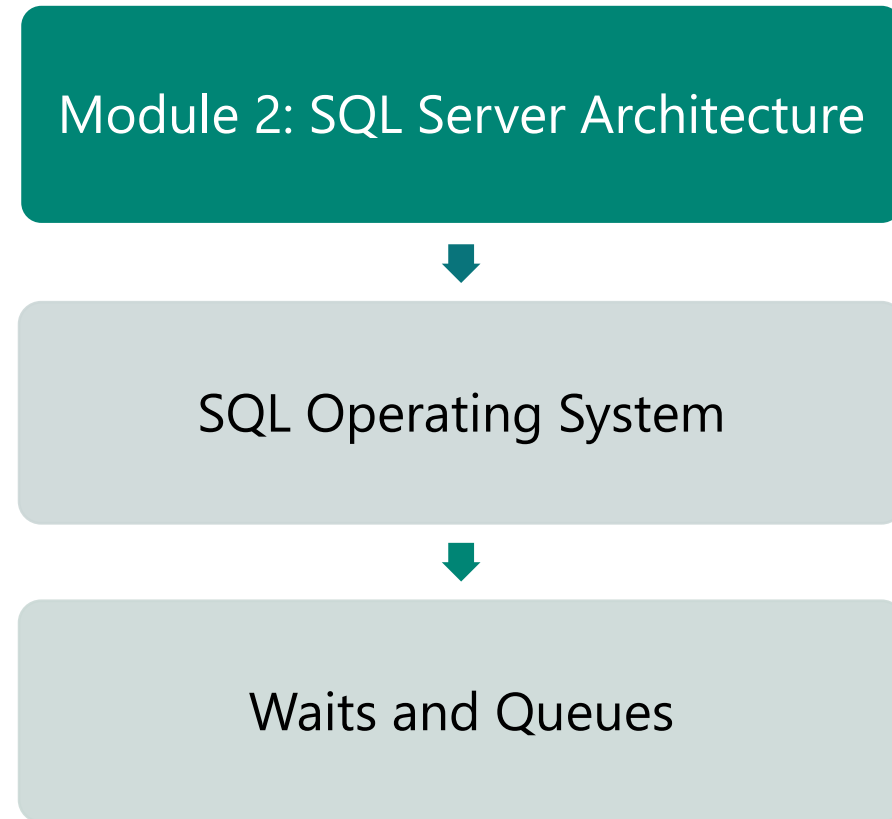
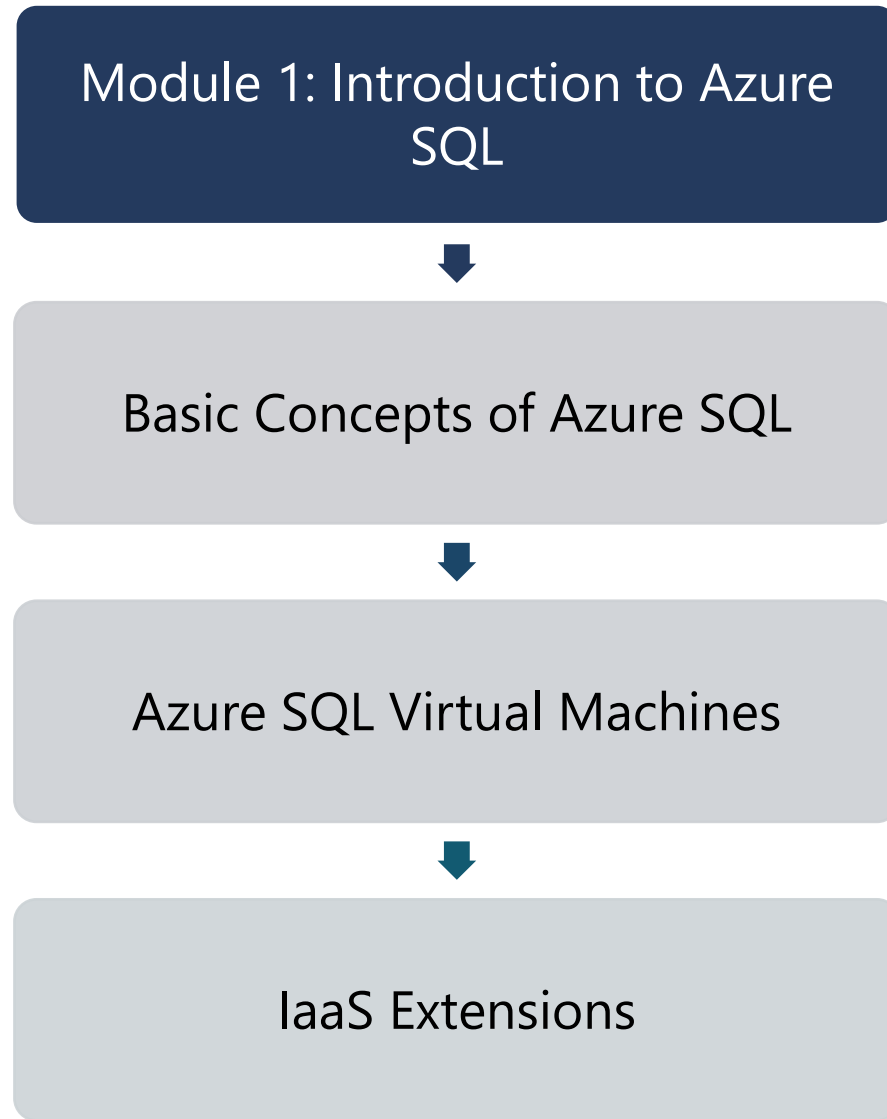
The Activate Azure SQL Performance Tuning and Optimization offering is intended to educate customers on how to optimize their Azure SQL VM performance configurations. The program is designed to educate and discuss customer needs.

This service is not only for DBAs, but also every role that could take advantage of this Activate would participate of this delivery.

Engagement Overview



Agenda Day 1



Agenda Day 2

Module 3: Database and Log Structure



Database I/O



Pages and Data Files



Transaction Logs



TempDB

Module 4: Transactions and Concurrency



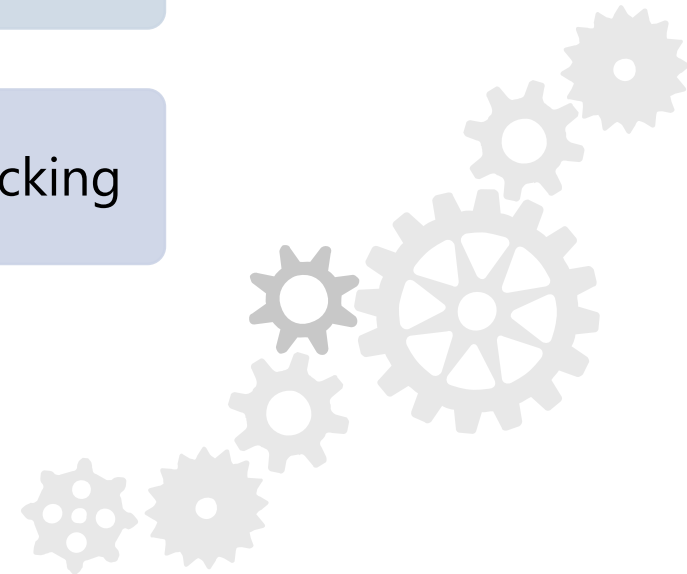
SQL Server Transactions



SQL Server Locking



Blocking and Deadlocking



Agenda Day 3

Module 5: SQL Server Indexing & Statistics



Indexing Internals and Strategies



Index Monitoring and
Fragmentation



Statistics Overview

Module 6: SQL Server Query Execution and Plans



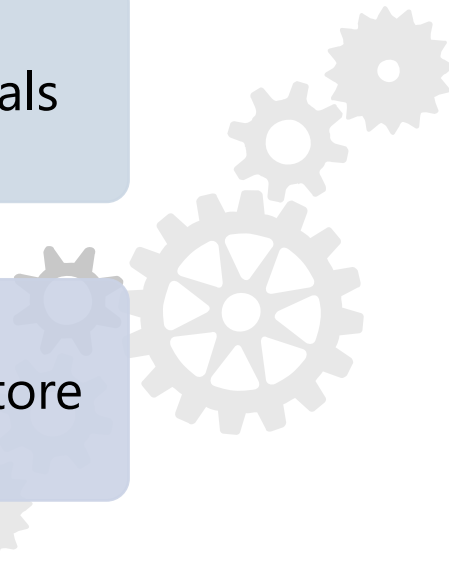
SQL Server Query Execution and
Plan Analysis



SQL Server Plan Cache Internals



Troubleshooting with Query Store



Agenda Day 4

Module 7: Azure SQL VM Best Practices



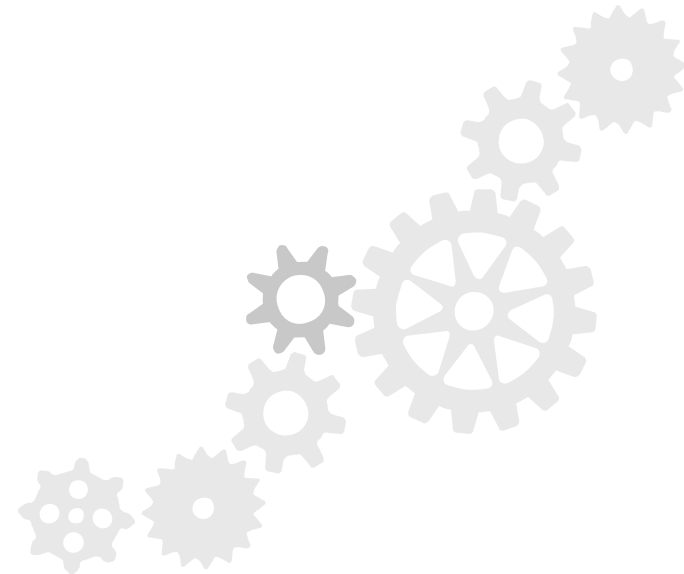
SQL Assessment with the IaaS Agent extension



Azure SQL VM Monitoring & Metrics



Azure SQL VM Best Practices



Dankie Faleminderit **Shukran** Chnorakaloutioun Hvala Blagodaria

Děkuji **Tak** Dank u Tānan Kiitos **Merci** Danke Ευχαριστώ A dank

Mahalo מודה. **Dhanyavād** Köszönöm Takk Terima kasih **Grazie** Grazzi

Thank you!

감사합니다 Paldies Choukrane Ačiū **Благодарам** ありがとうございます

谢谢 Баярлалаа **Dziękuję** Obrigado Mulțumesc **Спасибо** Ngiyabonga

Ďakujem Tack Nandri Kop khun **Teşekkür ederim** Дякую Хвала Diolch

