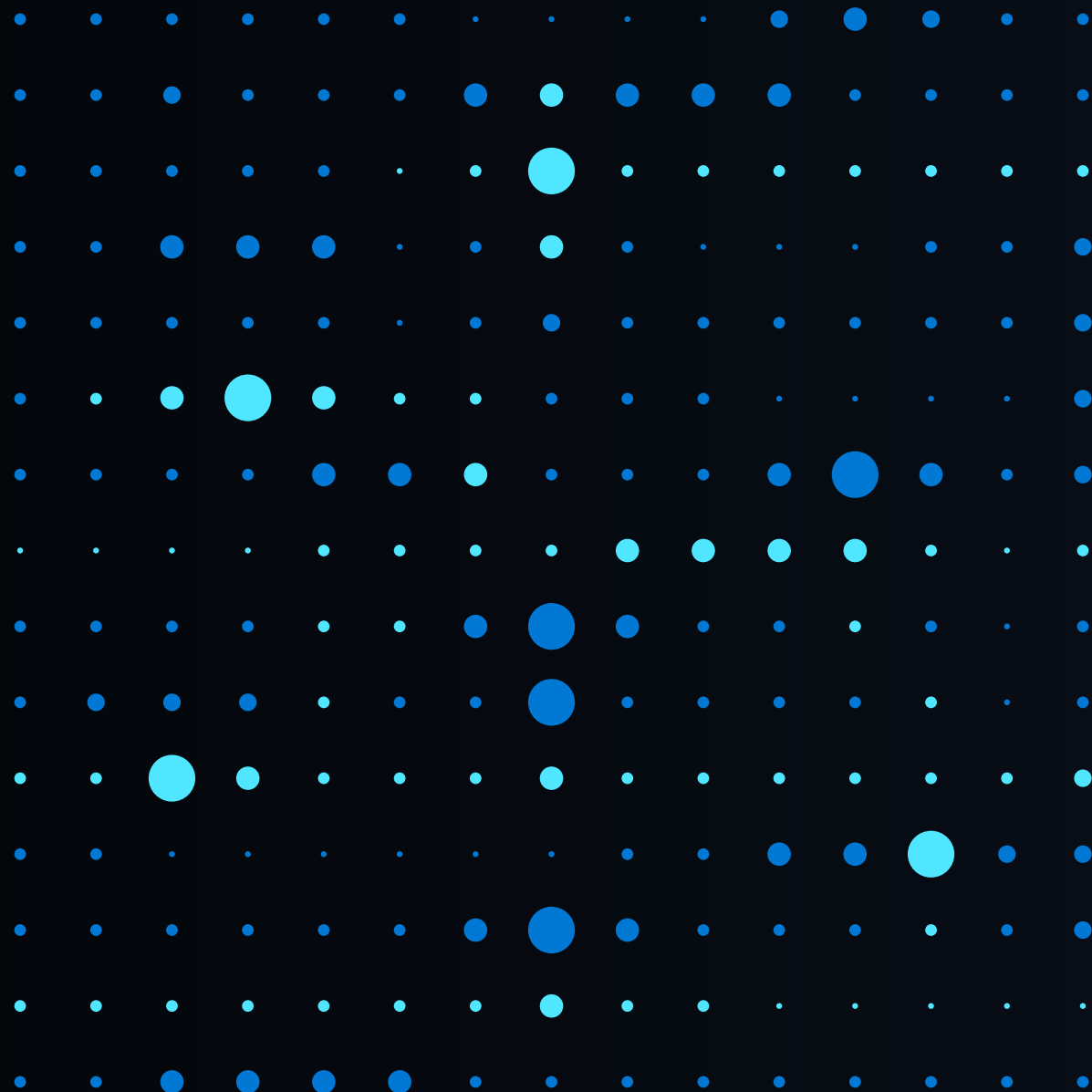




Activate Azure SQL Performance Tuning and Optimization

Providence Health
April 1st, 3rd, & 4th, 2024
8:30am – 3:30pm PST





John Deardurff

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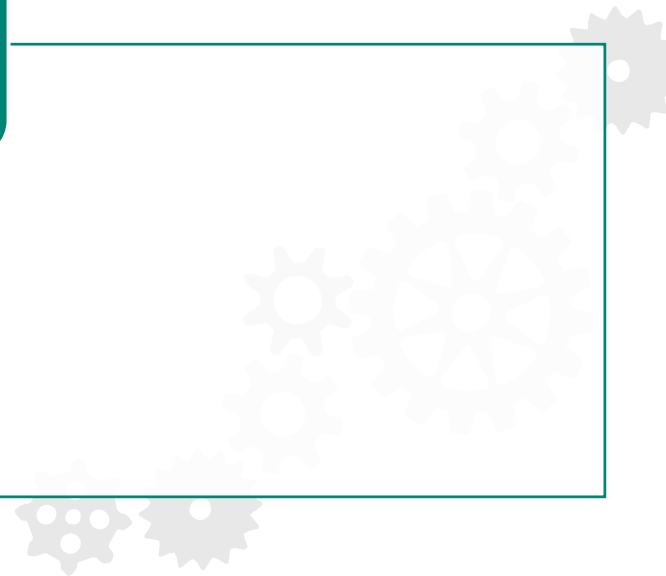


Agenda Day 1

Azure SQL Database Review

- Basic concepts of Azure SQL
- SQL Server IaaS vs PaaS Solutions
- Azure SQL DB vs Azure SQL MI

Azure SQL Managed Instance Fundamentals

- Introduction to Managed Instances
 - Service Tiers and Business Continuity
 - Managed Instances Best Practices
 - Managed Instance Performance Concepts
- 

Agenda Day 2

Azure SQL Managed Instance Concurrency

- SQL Server Isolation Levels
- SQL Server Locking
- Blocking and Deadlocking

Azure SQL Managed Instances Indexing

- Indexing Internals and Strategies
- Index Monitoring and Fragmentation

Azure SQL Managed Instances Statistics and Cardinality


- Statistics Overview
 - Cardinality Estimation
- 
- A series of light gray gear icons of varying sizes are arranged in a diagonal line from the bottom right towards the center of the slide, partially overlapping the bottom right corner of the content area.

Agenda Day 3

SQL Server Query Execution and Plans

- SQL Server Query Execution
- SQL Server Query Optimization
- SQL Server Plan Analysis
- Troubleshooting with Query Store

Performance Troubleshooting Tools

- Query Performance Insights
 - Automatic Tuning
 - SSMS Built-In Reports
 - Metrics and Alerts
- 

Attendee Introductions

Name

Job/Team/Specialty

Time Zone

Experience

Expectations



Dankie Faleminderit **Shukran** Chnorakaloutioun Hvala Blagodaria

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

Mahalo הודו. **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

