



# Activate Azure SQL Security & Governance

Baker & McKenzie

September 18th – 21st, 2023

8:00am – 1:00pm EST





# John Deardurff

Cloud Solution Architect (Global Delivery Team)

Microsoft Certified Trainer (2000 – Current)

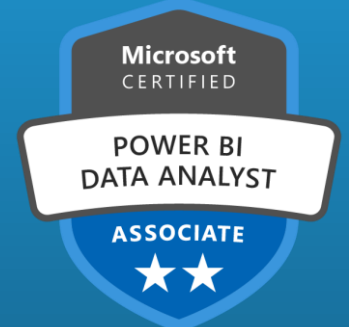
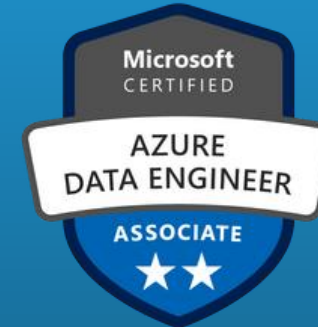
MVP: Data Platform (2016 – 2018)

Email: [John.Deardurff@Microsoft.com](mailto:John.Deardurff@Microsoft.com)

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

Website: [www.SQLMCT.com](http://www.SQLMCT.com)

GitHub: [github.com/SQLMCT](https://github.com/SQLMCT)



# Facilities

Class  
hours

Building  
hours

Parking

Restrooms

Meals

Phones

Messages

Recycling

# Agenda Day 1

## Introduction to Azure SQL Platform as a Service (PaaS)

- Basic concepts of Azure SQL
- Managing Azure SQL Databases
- Scaling Azure SQL Databases
- Working with Managed Instances

## Azure MI Platform and Network Security

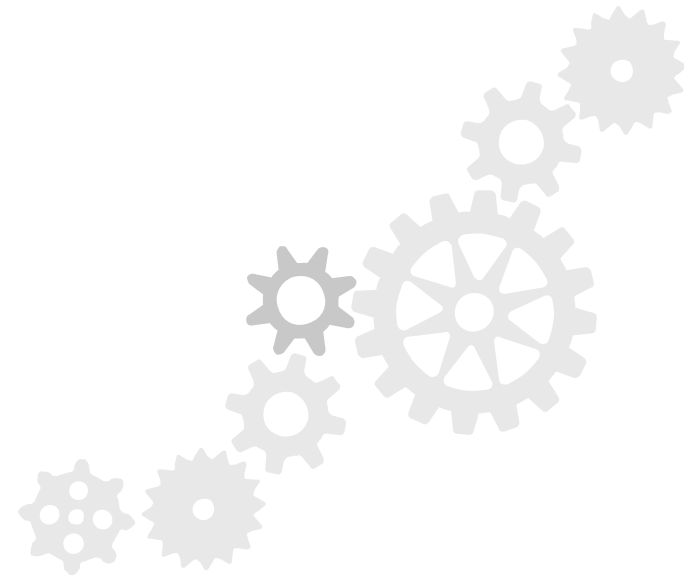
- Overview of Azure SQL MI security
- Isolation and Connectivity
- Azure Virtual Network and Security Rules
- Network Peering



# Agenda Day 2

## Azure SQL MI Business Continuity

- Business Continuity
- Auto-Failover Groups
- Automated Backups and Retention
- Long-Term Backup Retention
- Database Restores
- Accelerated Database Recovery



# Agenda Day 3

## Manage Security for Azure SQL MI

- SQL Security Overview
- Authentication and Authorization
- Azure Active Directory and RBAC
- SQL Logins and Users
- SQL Roles
- SQL Permissions and Schemas

## Data Encryption and Data Security

- Azure Key Vault
- Transparent Data Encryption (TDE)
- Always Encrypted
- Row Level Security
- Dynamic Data Masking

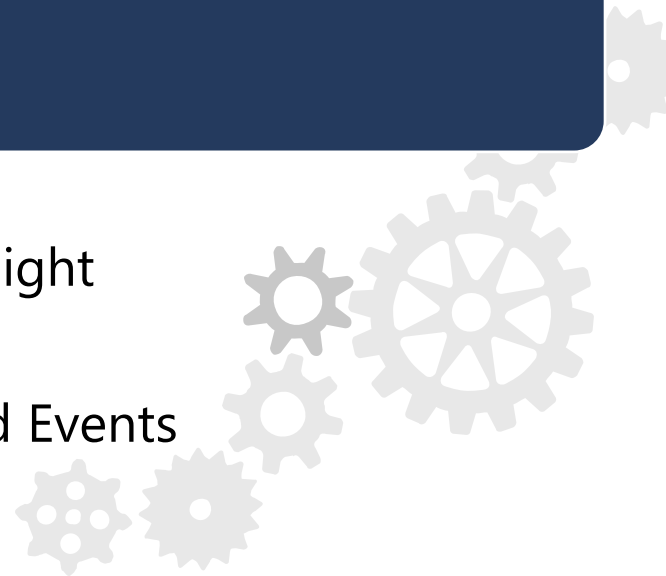


# Agenda Day 4

## Auditing and Advanced Data Security

- Introduction to xEvents and SQL Audit
- Implement Auditing for Azure SQL MI
- Azure SQL MI Vulnerability Assessment
- Advanced Threat Protection
- Data Discovery and Classification

## Monitoring and Tuning Azure SQL Database

- Lesson 1: Monitoring and Troubleshooting Azure SQL Database
  - Lesson 2: Monitoring Query Performance using Query Performance Insight
  - Lesson 3: Azure SQL Database Tuning using Automatic Tuning
  - Lesson 4: Monitoring Azure SQL Database Performance using Extended Events
  - Lesson 5: Configure Alerts through Azure Portal
- 

# Attendee Introductions

Name

Job/Team/Specialty

Time Zone

Experience

Expectations





# Get Ready to Participate

Close email and Update Status

Make it interactive

Check all equipment



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

