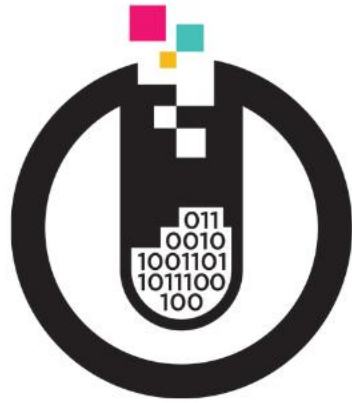


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Securing the SQL Server Data Platform

Preventing Data Loss and Ensuring Data Privacy



Danny de Haan


he/him

Solutions Engineer

Redgate Software

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 /ThatInfraDb/Presentations



I've been working in IT for nearly 20 years in various roles. With over 15 years of experience with SQL Server, I've always placed a strong emphasis on Security, Risk Management, and Compliance for the SQL Server Data Platform. Ensuring industry best practices and regulatory requirements are followed from an infrastructural point of view.

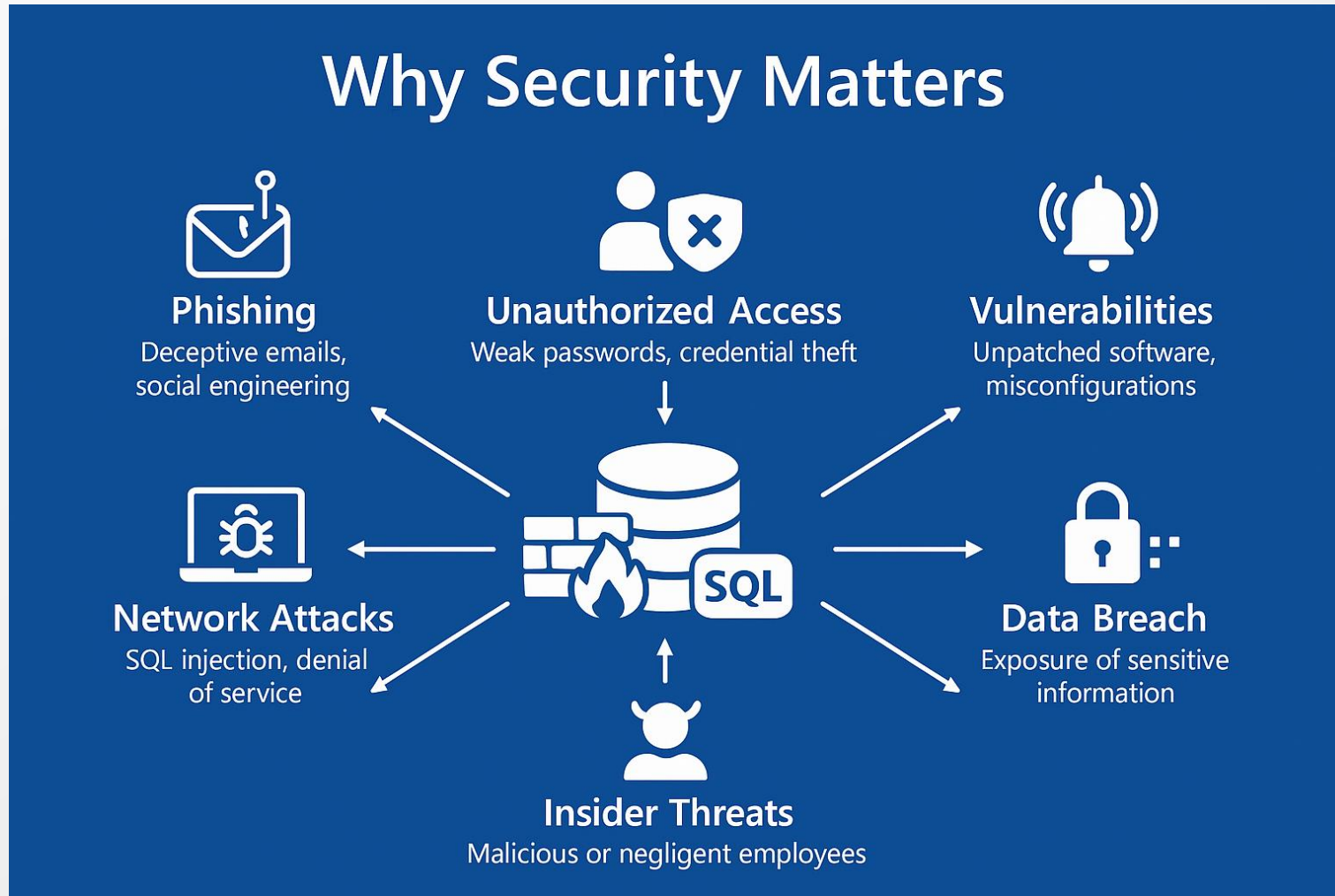


“It's not a matter of if, but when...”

Be aware of what you share



The SQL Server Threat Landscape



Core Security Principles

- CIA Triad
- Layered Security
- Least privilege
- Zero Trust
- Attack surface in SQL Server

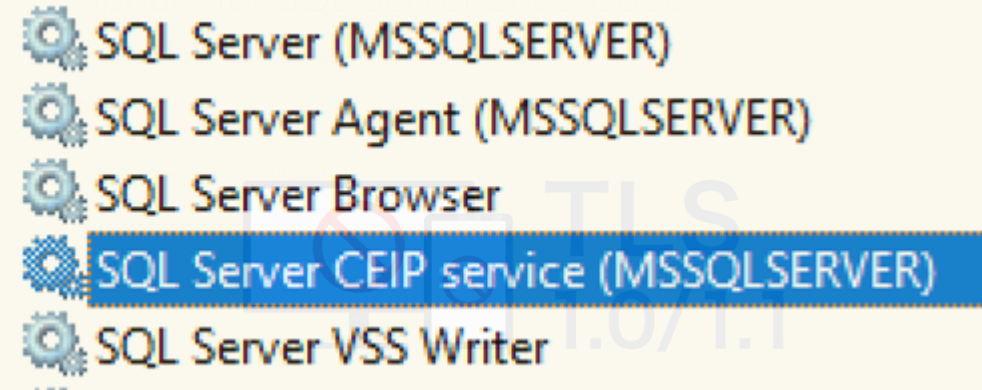


Reducing the Attack Surface

- Unused features
- Unnecessary Protocols & Services
- Patching
- Firewall & Network Segmentation

DEMO

KB5063814 - Description of the security update for SQL Server 2022 CU120.



- How to obtain or download the latest cumulative update package for Linux
- More information
- File information
- Information about protection and security

Summary

This security update contains fixes and resolves vulnerabilities. To learn more about the vulnerabilities, see the following security advisories:

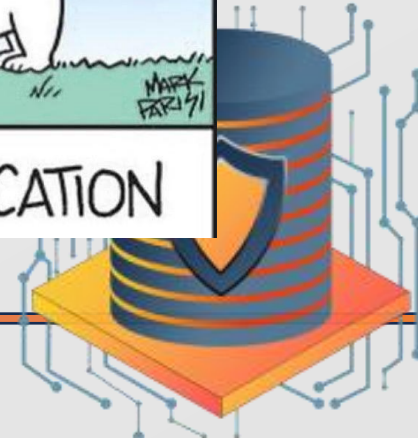
- [CVE-2025-47954](#) - Microsoft SQL Server Elevation of Privilege Vulnerability
- [CVE-2025-49758](#) - Microsoft SQL Server Elevation of Privilege Vulnerability
- [CVE-2025-24999](#) - Microsoft SQL Server Elevation of Privilege Vulnerability
- [CVE-2025-49759](#) - Microsoft SQL Server Elevation of Privilege Vulnerability
- [CVE-2025-53727](#) - Microsoft SQL Server Elevation of Privilege Vulnerability



Authentication & Access Control

- Windows vs SQL Authentication
- Multi Factor Authentication
- Role Based Access Control
- Shared accounts
- Access Review

DEMO



Encryption & Data Protection

- In Transit: Transport Layer Security
- At Rest: Transparent Data Encryption (TDE)
- In Memory: Always Encrypted

DEMO



Back-up & Recovery Strategies

- Last line of defense
- Offsite/Immutable
- RTO / RPO
- Test Test Test!



Key Takeaways

- Security is proactive (even offline)
- Layered defenses are essential (everywhere)
- Review, Test & Adapt

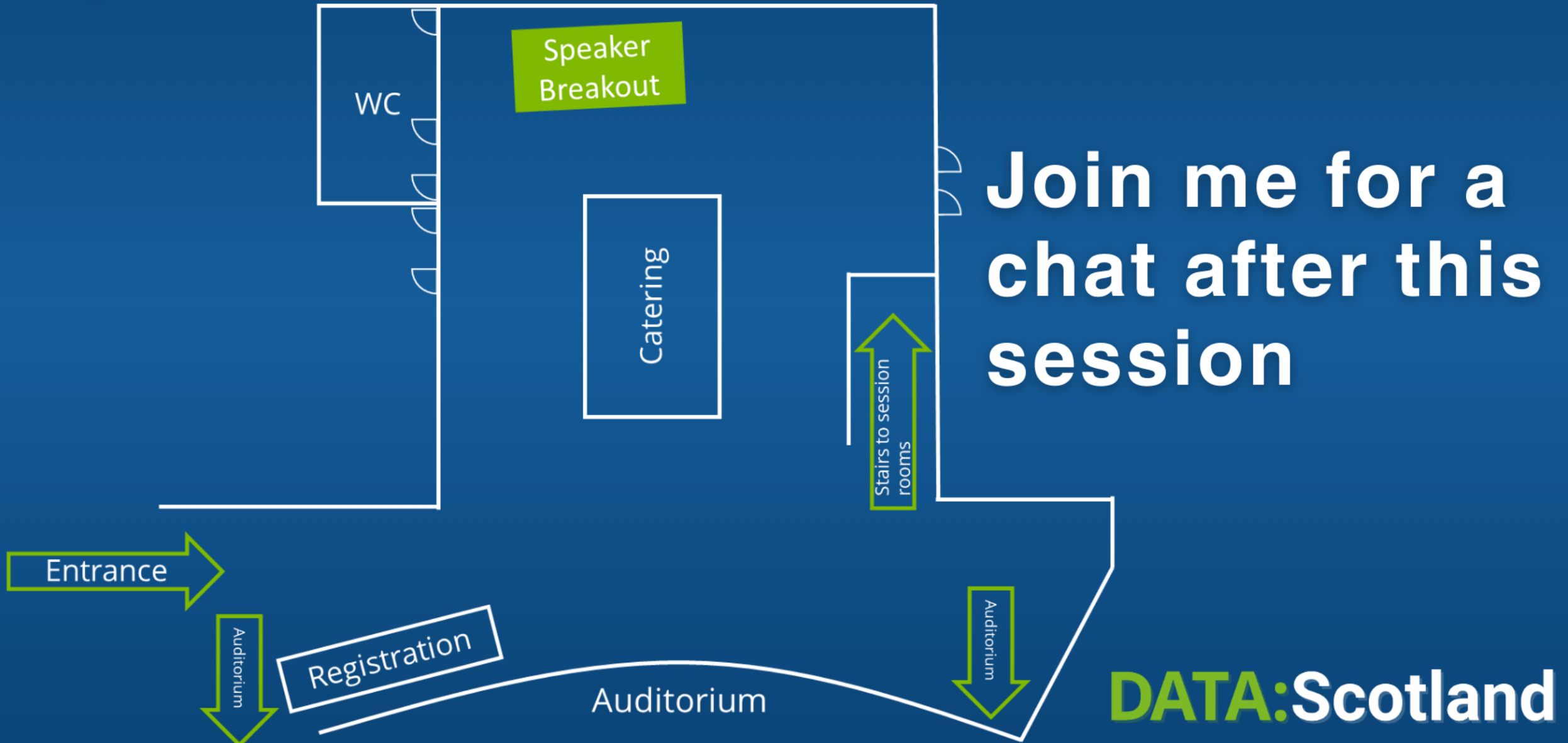


Slidedeck Download

github.com/ThatInfraDba/Presentations



Speaker Breakout



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After Party

Brewdog, Merchant City | 5pm till late

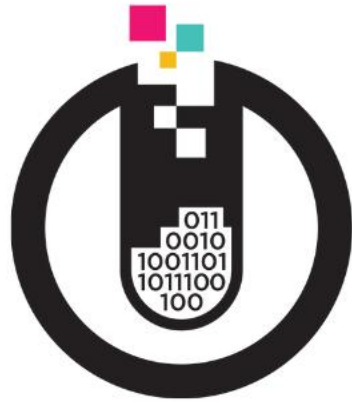
Session Feedback



Event Feedback

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