DATA:Scotland 2025

THE DATA LAB
value from data

quorum

DATAmasterminds

ADVANCING ANALYTICS

redgate

Datahai

BROCH Solutions

Securing the SQL Server Data Platform

Preventing Data Loss and Ensuring Data Privacy

Danny de Haan

he/him

Solutions Engineer

Redgate Software

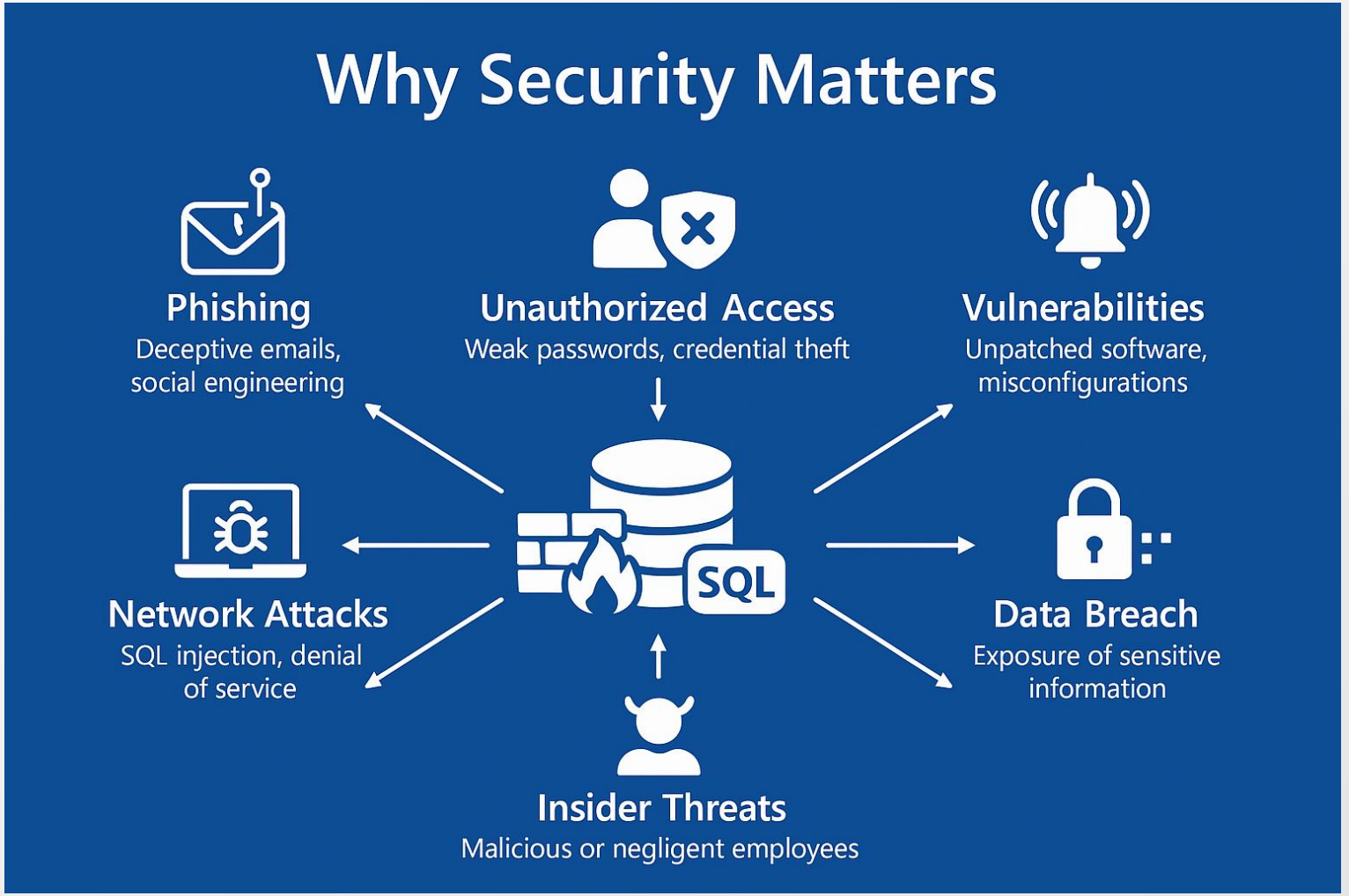
I've been working in IT for nearly 20 years in various roles. With over 15 years of experience with SQL Server, I've always placed a strong emphasis on Security, Risk Management, and Compliance for the SQL Server Data Platform. Ensuring industry best practices and regulatory requirements are followed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

/in/dannydh/
✉ ThatInfraDba@pm.me
/ThatInfraDba/Presentations

“It's not a matter of if, but when…”

Be aware of what you share

The SQL Server Threat Landscape



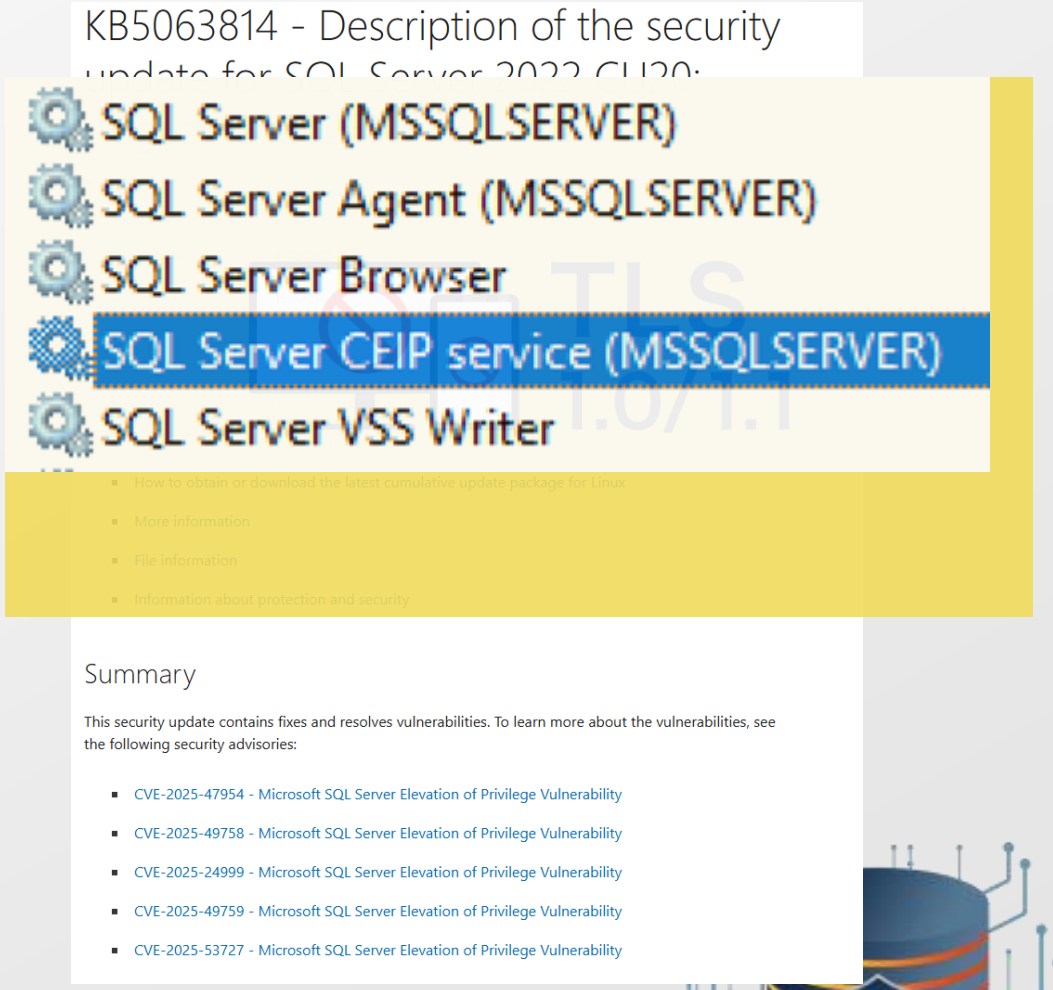
Core Security Principles

- 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



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!

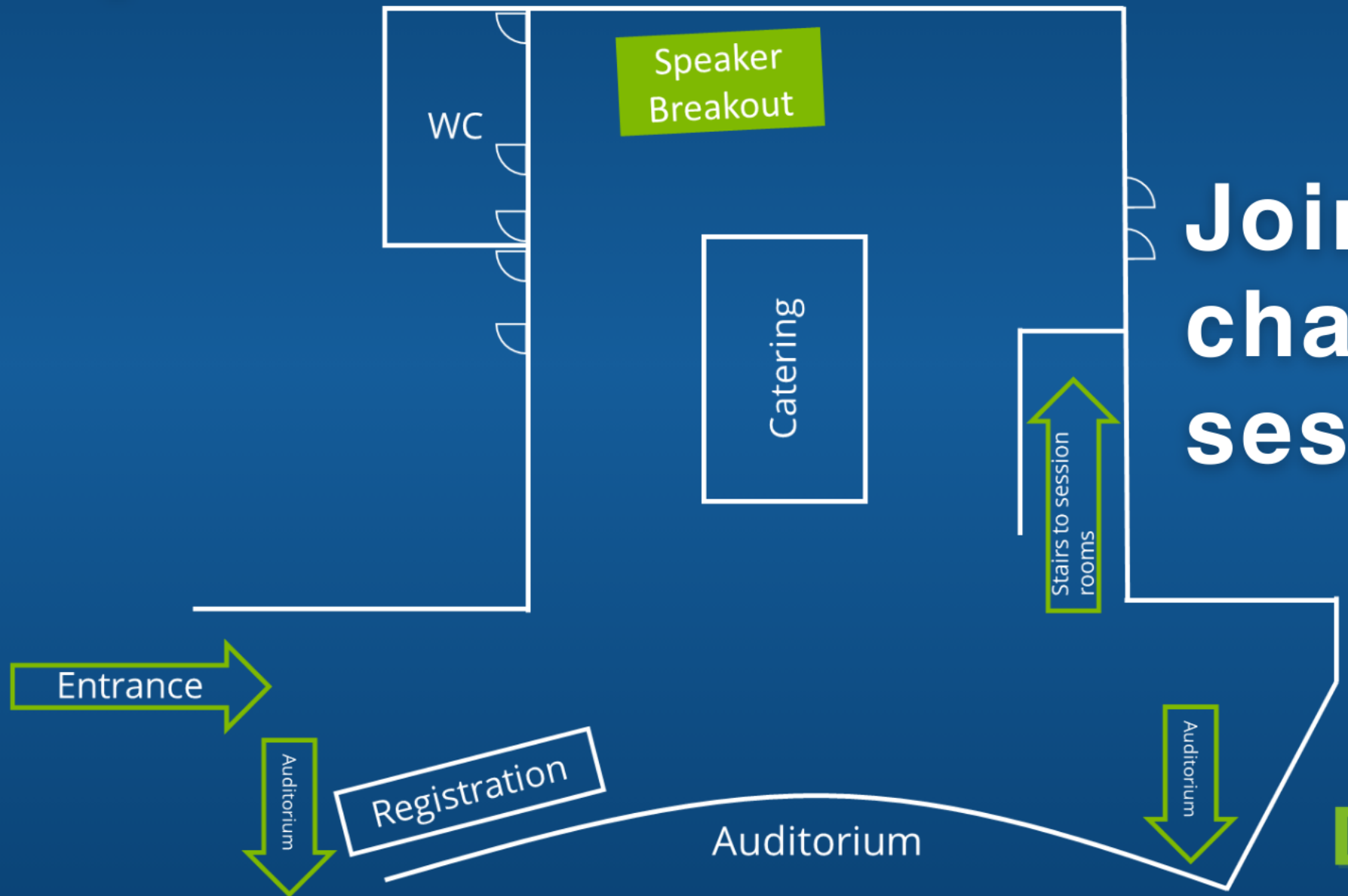
Key Takeaways

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

Slidedeck Download

github.com/ThatInfraDba/Presentations

Speaker Breakout



Join me for a chat after this session

DATA:Scotland

DATA:Scotland

ADVANCING ANALYTICS

After Party

Brewdog, Merchant City | 5pm till late

Session Feedback

Event Feedback

DATA:Scotland

DATA:Scotland 2025

THE DATA LAB
value from data

quorum

DATAmasterminds

ADVANCING ANALYTICS

redgate

Datahai

BROCH Solutions