

# SQL Server Security

Pulling the plug  
isn't a solution



Andre Essing  
Trivadis GmbH



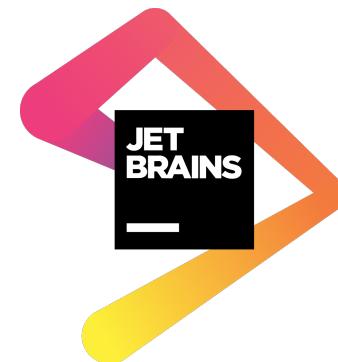
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I D E R A



# About me

## ANDRE ESSING

Senior Consultant  
Trainer



## Profile

DBA and Senior Consultant, Microsoft Certified Solutions Expert, Trainer and SQL Server Enthusiast

- Working in IT since 1998
- SQL Server since version 7.0
- Focus on SQL Server infrastructure and mission critical systems
- Microsoft Certified Trainer and MCSE: Data Platform
- Microsoft P-TSP Data Platform
- Microsoft Most Valuable Professional
- Friend of Redgate
- PASS Chapter Leader Bavaria and SQL Saturday Munich Organizer

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# Security, why?

# What should you consider about security

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Think about security

- in your data center
- of your servers
- of your network
- of the operating
- of your application & code

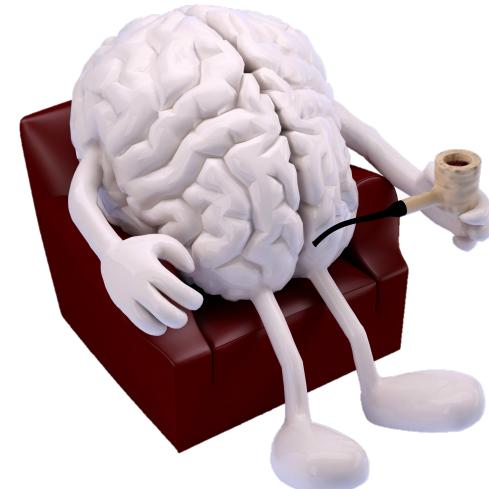


**We will focus on SQL Server today !!!**

# Keep in Mind

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- Physical / virtual security is important
- A SQL Server is a SQL Server, is a SQL Server
- Activate the Windows Firewall
- The UAC is not your enemy
- Antivirus, but with exclusions  
<https://support.microsoft.com/en-us/kb/309422>
- Always be as restrictive as possible





SQL Server, hard as steel

# What about the installation?

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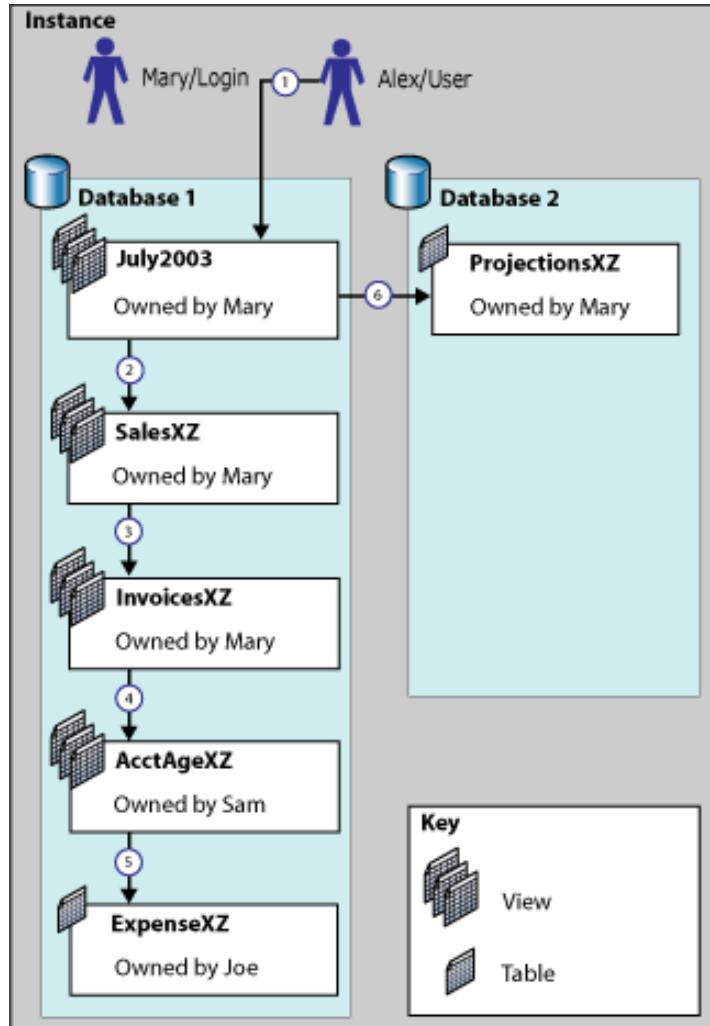
- Install only stuff you really need
- Use different service accounts
- Service accounts are not admins
- Install critical security hotfixes
- Create Service Principal Names



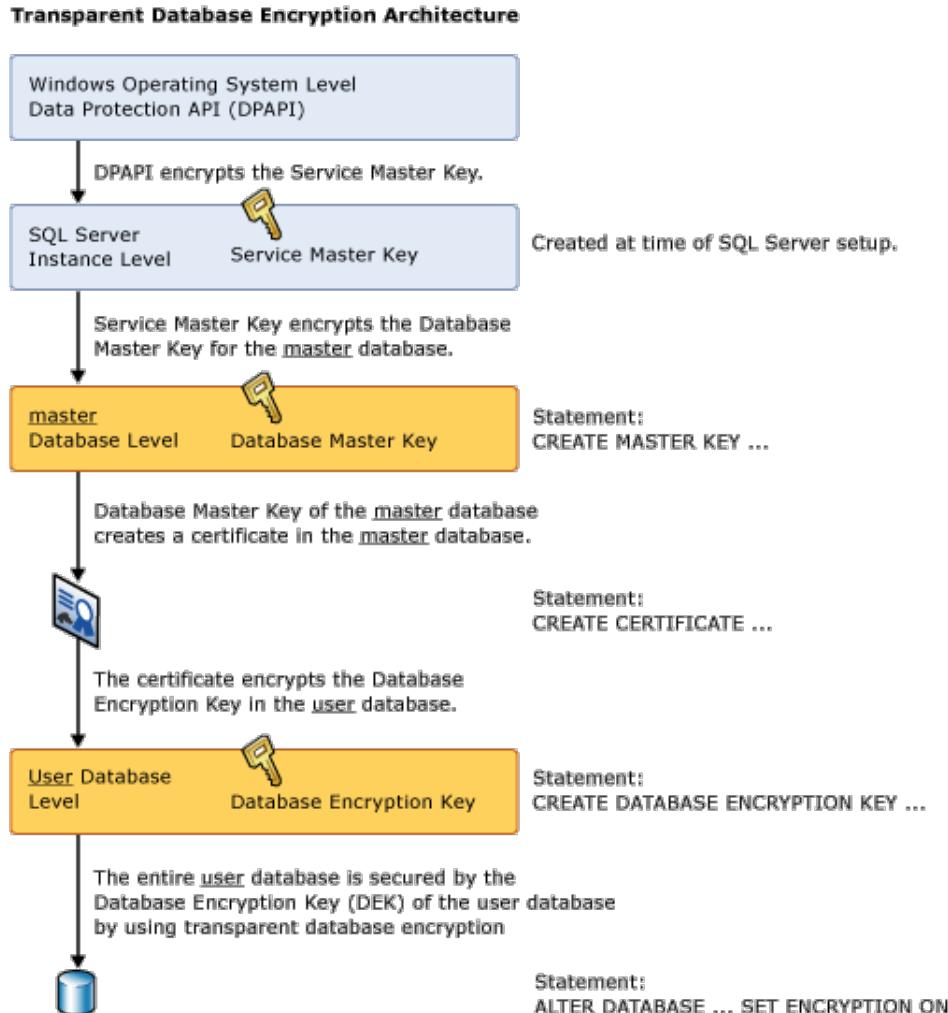
# Showtime



# Ownership Chaining



# Transparent Data Encryption



# Save the Dates!

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PASS Camp 2016 - 06. to 09. December 2016



SQL Konferenz 2017 - 14. to 16. February 2017

A dark grey banner at the top with the text "SQL Server Konferenz 2017" and "powered by PASS Deutschland e.V.". Below it is a green box with the text "FROM 14 TO 16 FEB 2017", "KONGRESSCENTER", "DARMSTADT", and "GERMANY". At the bottom left is the PASS Deutschland e.V. logo, and next to it is the text "Microsoft Data Platform Community". To the right is a large photograph of the interior of a modern, multi-story conference center with a glass roof and many people.

# How did you like it?

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Please give feedback

- to the event:
- <http://goo.gl/5tStsd>
- to me as a speaker:
- <http://goo.gl/TgViTX>

