



SQL Server Konferenz 2017

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SQL Server Best Practices

Install SQL Server like a boss

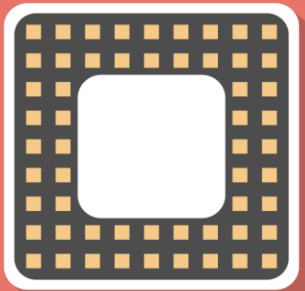
Andre Essing

Reloaded

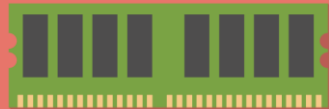


The Key for a Perfect System

- Balanced system without bottlenecks
- SQL Server is only a small part



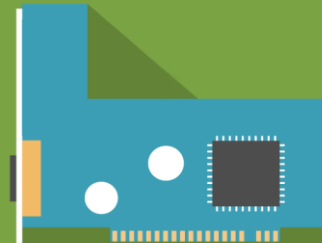
Processor



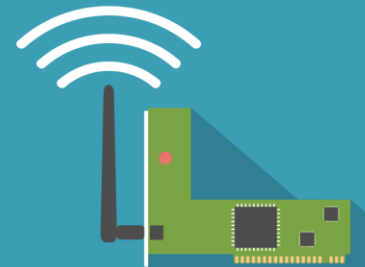
Memory



Storage



HBA



Networking

- Plan your system before you build it





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Andre advises, in his role as Technology Solutions Professional, customers in topics all around the Microsoft Data Platform. He is specialized in mission critical systems, high-availability, security, operating and of course the cloud.

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Pre-Deployment



Hardware & Storage

- Use the optimal storage
- Handle volumes the right way
- Implement a good disk layout
- Do backups remotely
- Don't save power



Operating System

- Performance is important
- Don't forget about security...
- ... and the user permissions
- Just in case, I talk about Windows here

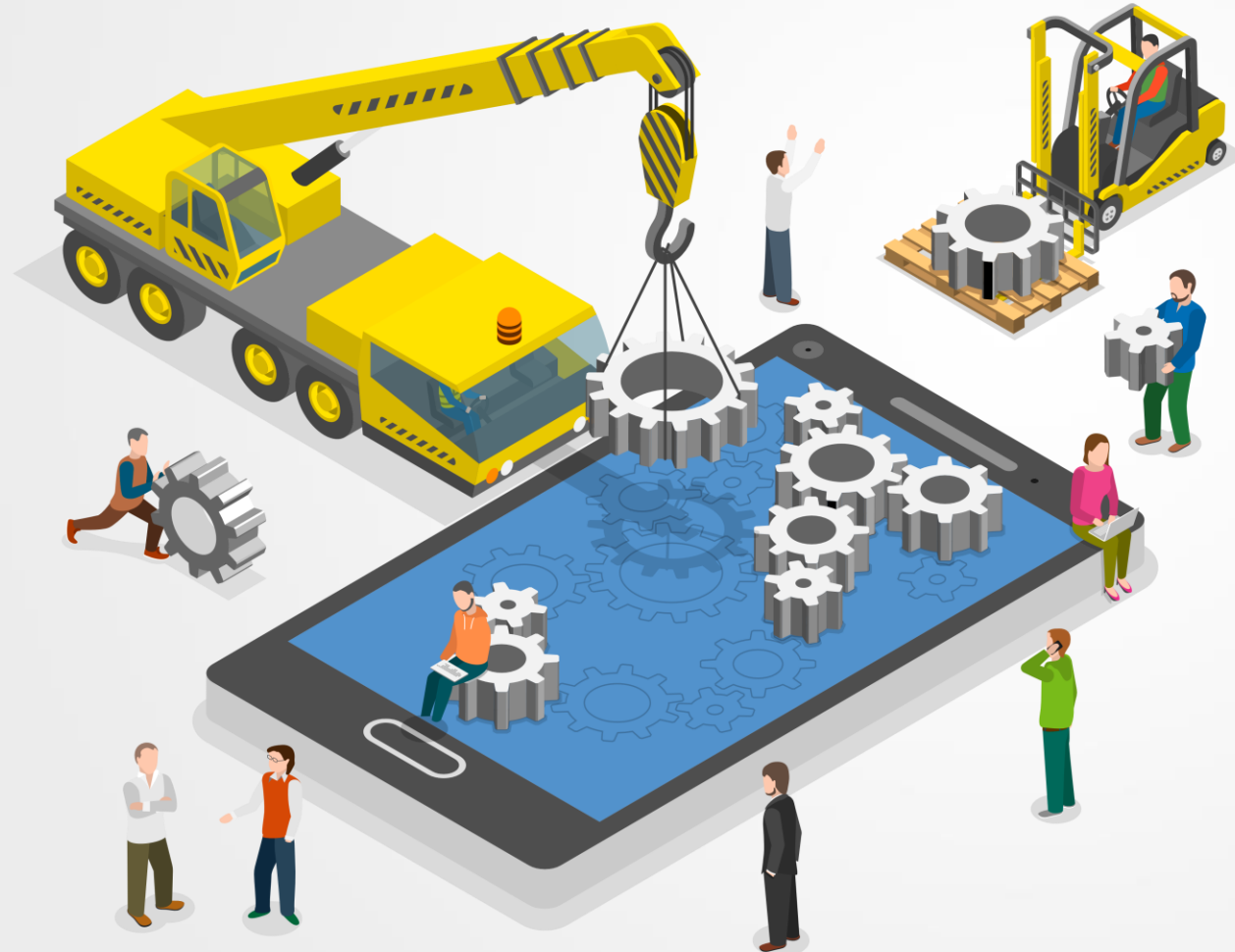




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Setup



Installation

- How much SQL you need
- Don't repeat yourself
- Security... again!
- A server is not a workstation





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Post-Deployment

Instance

- Make it easy to connect
- Security... again... are you kidding?
- Perhaps, Trace Flags
- Instance Settings



TempDB

- Split into multiple files
- Size and growth does matter
- Keep an eye on it
- Before SQL 2016, remember the Trace Flags



Database

- Take care of the defaults
- Keep as reliable as you can
- The physical design matters
- Don't mess-up with the security



Maintenance

- Don't forget instance and database maintenance
- Backup checksum and compression
- Don't do plans, script the tasks
- Never shrink during maintenance





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Questions & answers...



