Windows Server 2016: Was ist neu?

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Geschmacksrichtungen

- **Windows Server Technical Preview**
  - Standard Edition
  - Datacenter Edition
  - Hyper-V Server
- **Release: „im Jahr 2016“**
  - Weitere Details noch nicht bekannt
  - Vermutung: Ende 1. Quartal 2016

Cluster, Boxen, Container

Der Klumpen bleibt aktuell

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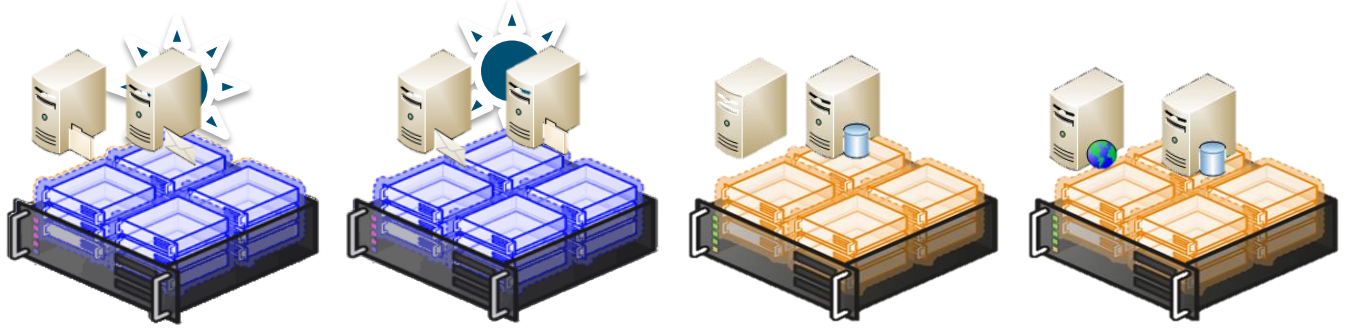
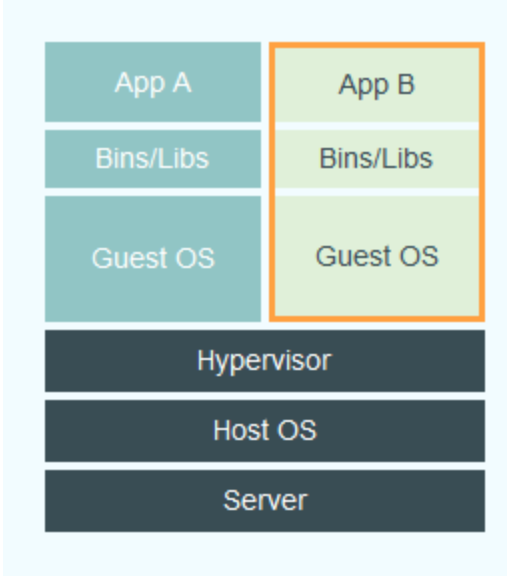
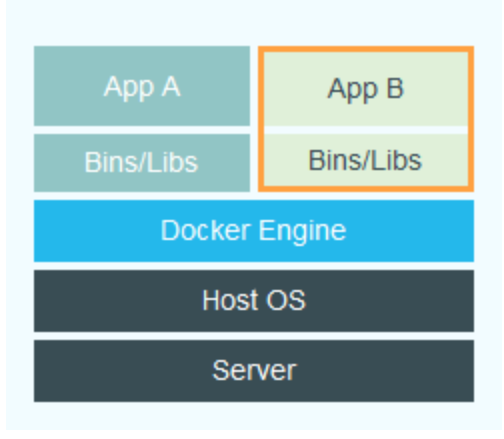
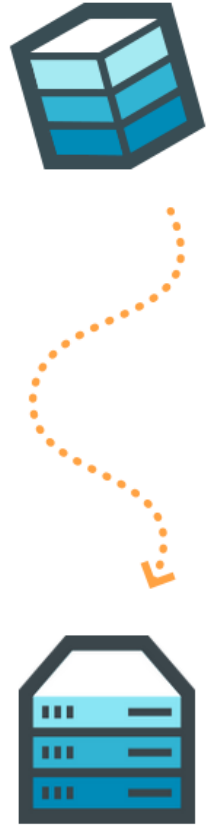
- **Cluster Rolling Upgrade**
  - Hyper-V
  - Scale-out Fileserver



Docker-Container







Das Problem, das Docker löst

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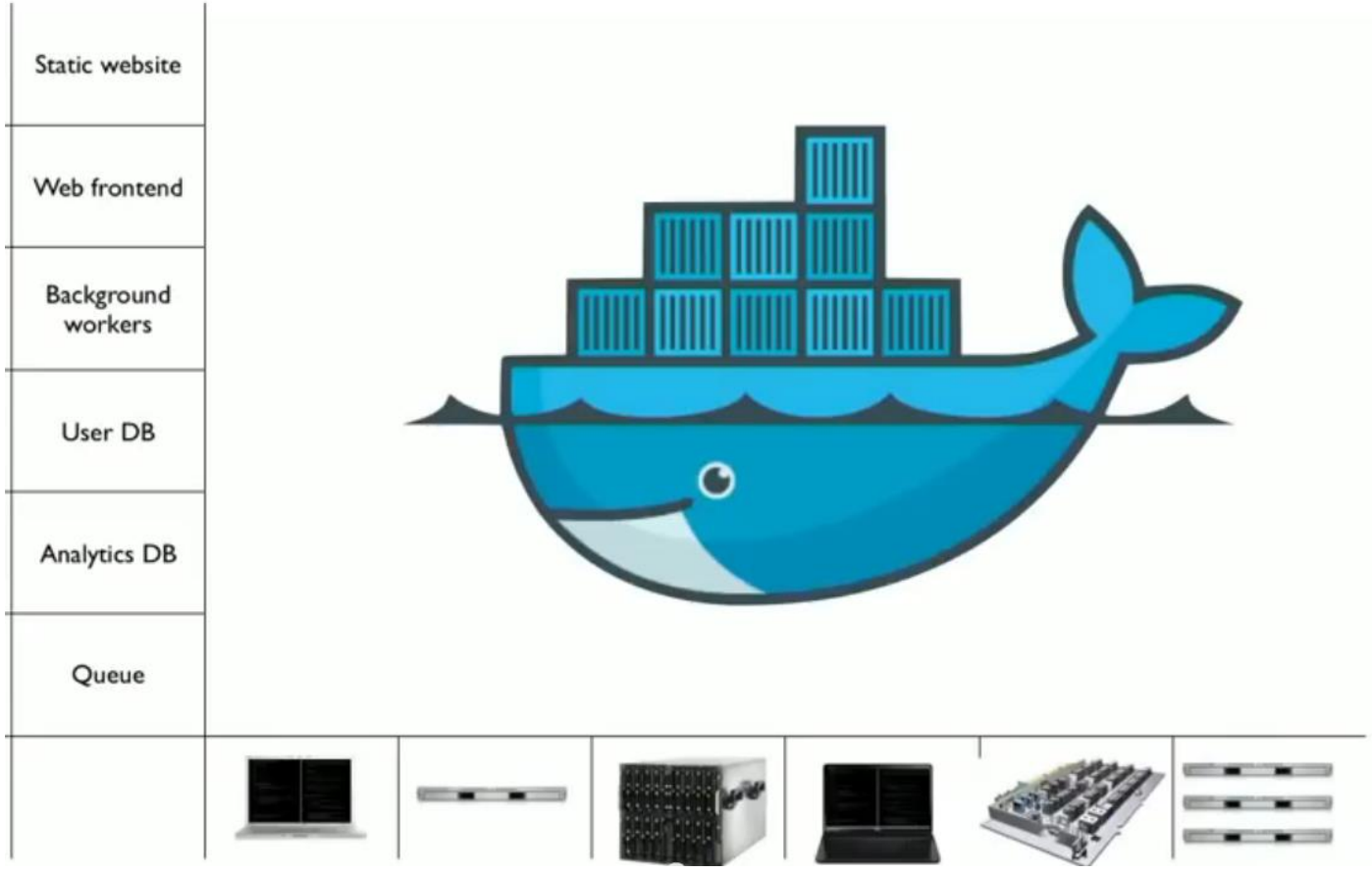
Static website	?	?	?	?	?	?	?
Web frontend	?	?	?	?	?	?	?
Background workers	?	?	?	?	?	?	?
User DB	?	?	?	?	?	?	?
Analytics DB	?	?	?	?	?	?	?
Queue	?	?	?	?	?	?	?
							

Das Problem, das Docker löst



Nano Server

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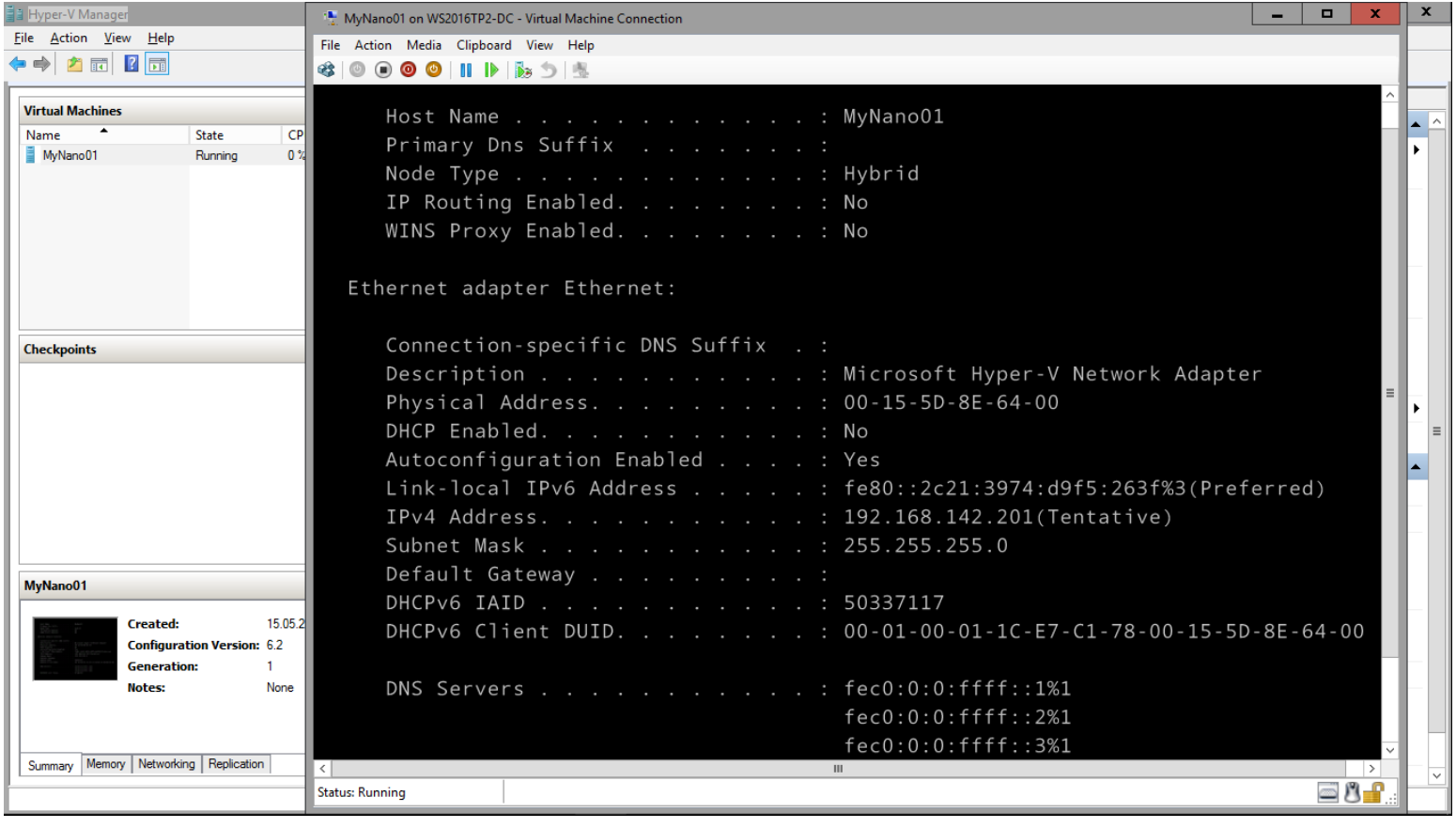

Nano Server

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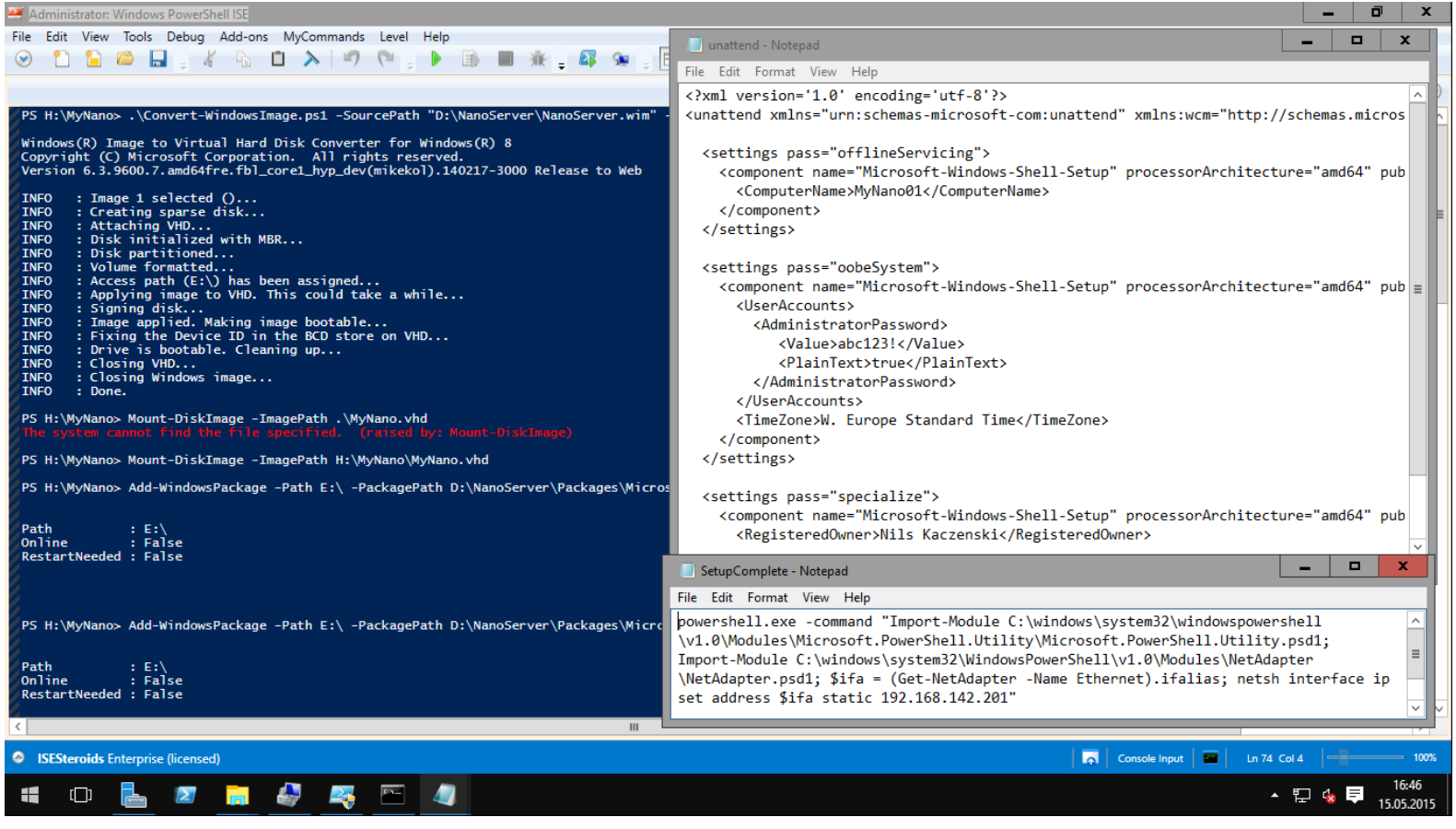

Storage

Von hier nach da

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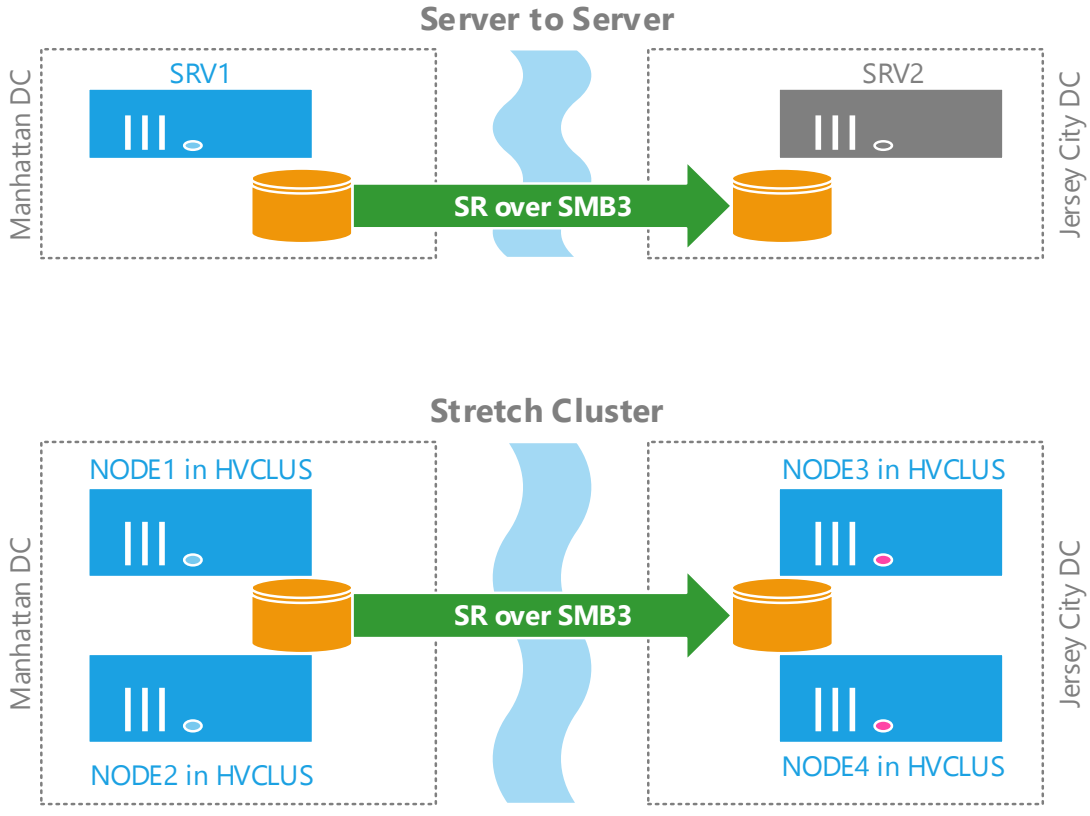
- **Storage Replica: Blockbasierte Replikation**
- **Szenarien**
  - Server-to-Server
  - Stretch Cluster
- **Synchrone oder asynchrone Replikation**
  - Anforderungen und Szenario klären

SR: Szenarien



SR: Synchrone Replikation

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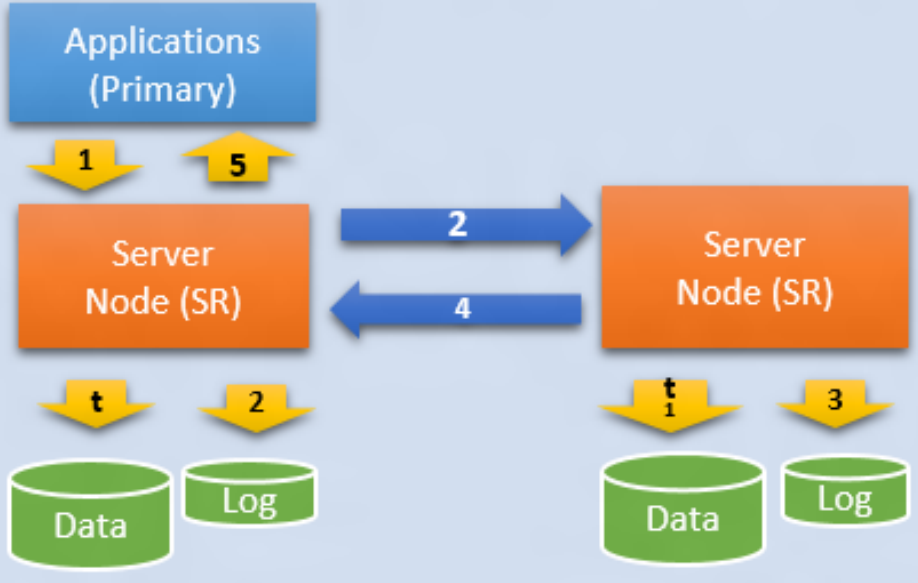
Mode	Diagram	Steps
Synchronous Zero Data Loss RPO		1. Application write 2. Log data written & the data is replicated to remote site 3. Log data written at the remote site 4. Acknowledgement from the remote site 5. Application write acknowledged t, t^1- Data flushed to the volume, logs always write through

SR: Asynchrone Replikation

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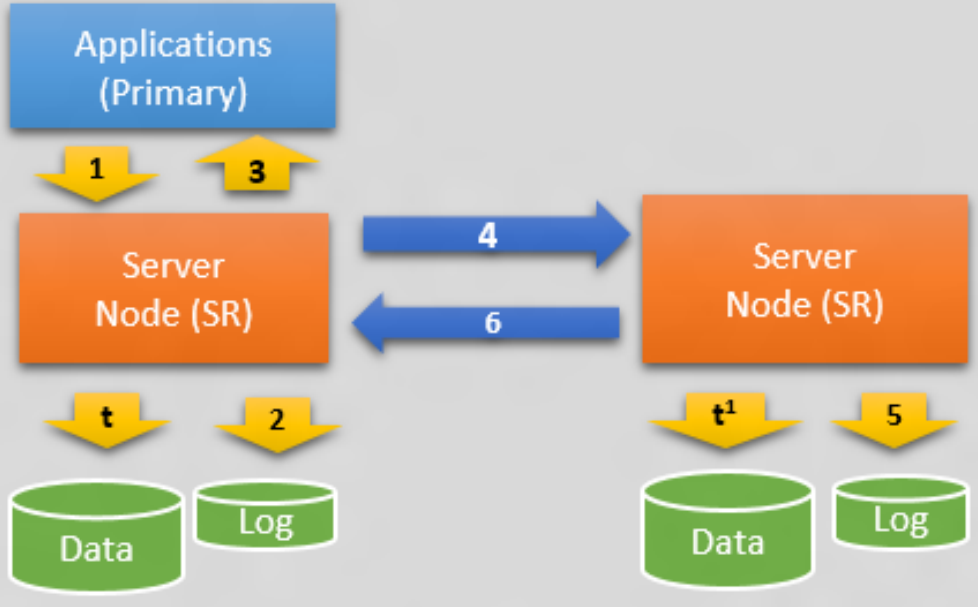
Asynchronous

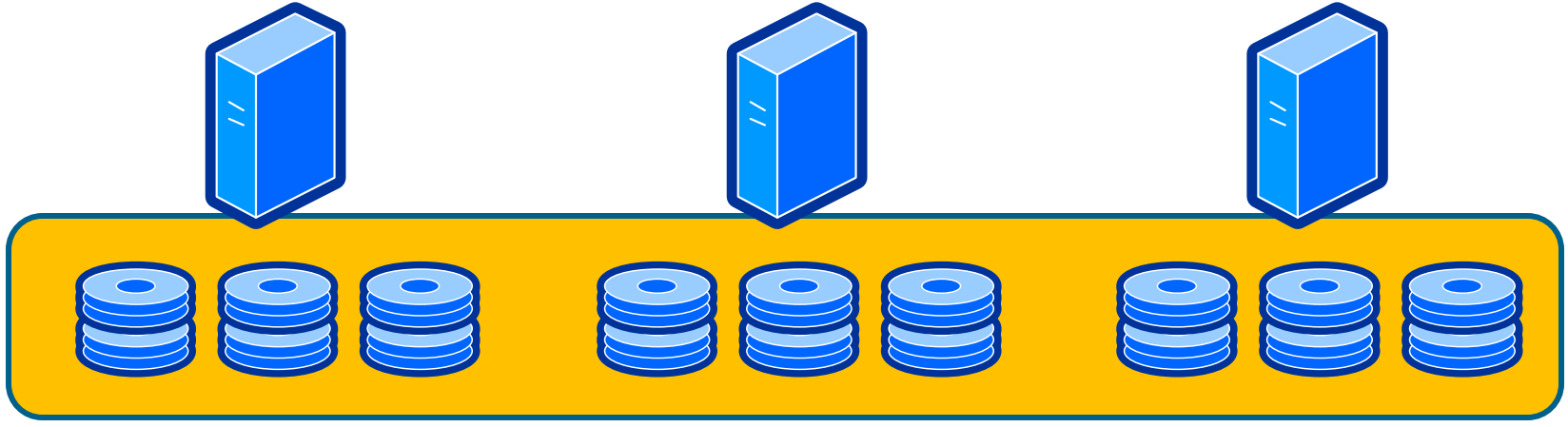
Near zero data loss (depends on multiple factors) RPO



1. Application write
2. Log data written
3. Application write acknowledged
4. Data replicated to the remote site
5. Log data written at the remote site
6. Acknowledgement from the remote site

t, t^1- Data flushed to the volume, logs always write through

Storage Spaces Direct



Netzwerk und Terminalserver

Terminalserver (äh, nein: RDS)

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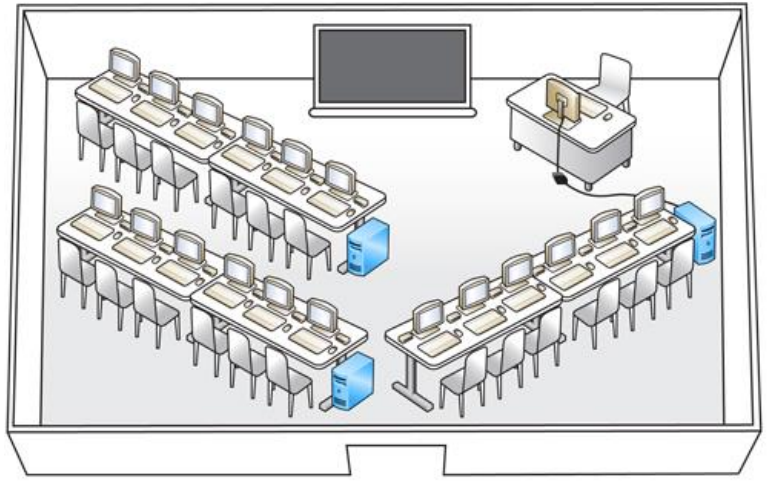
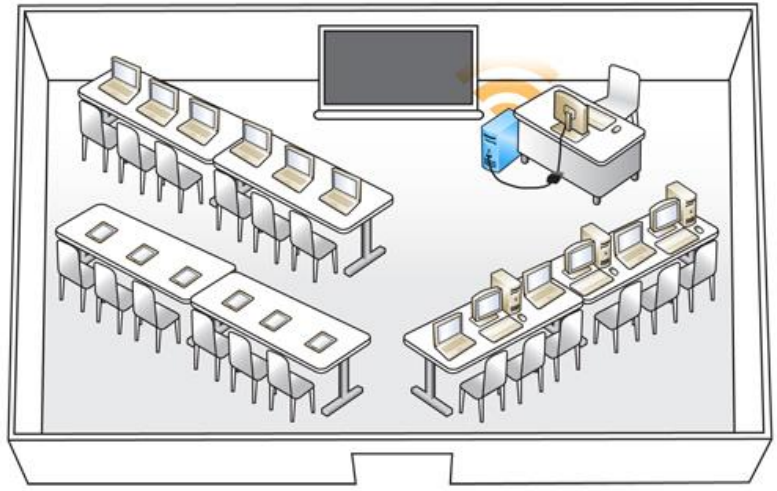
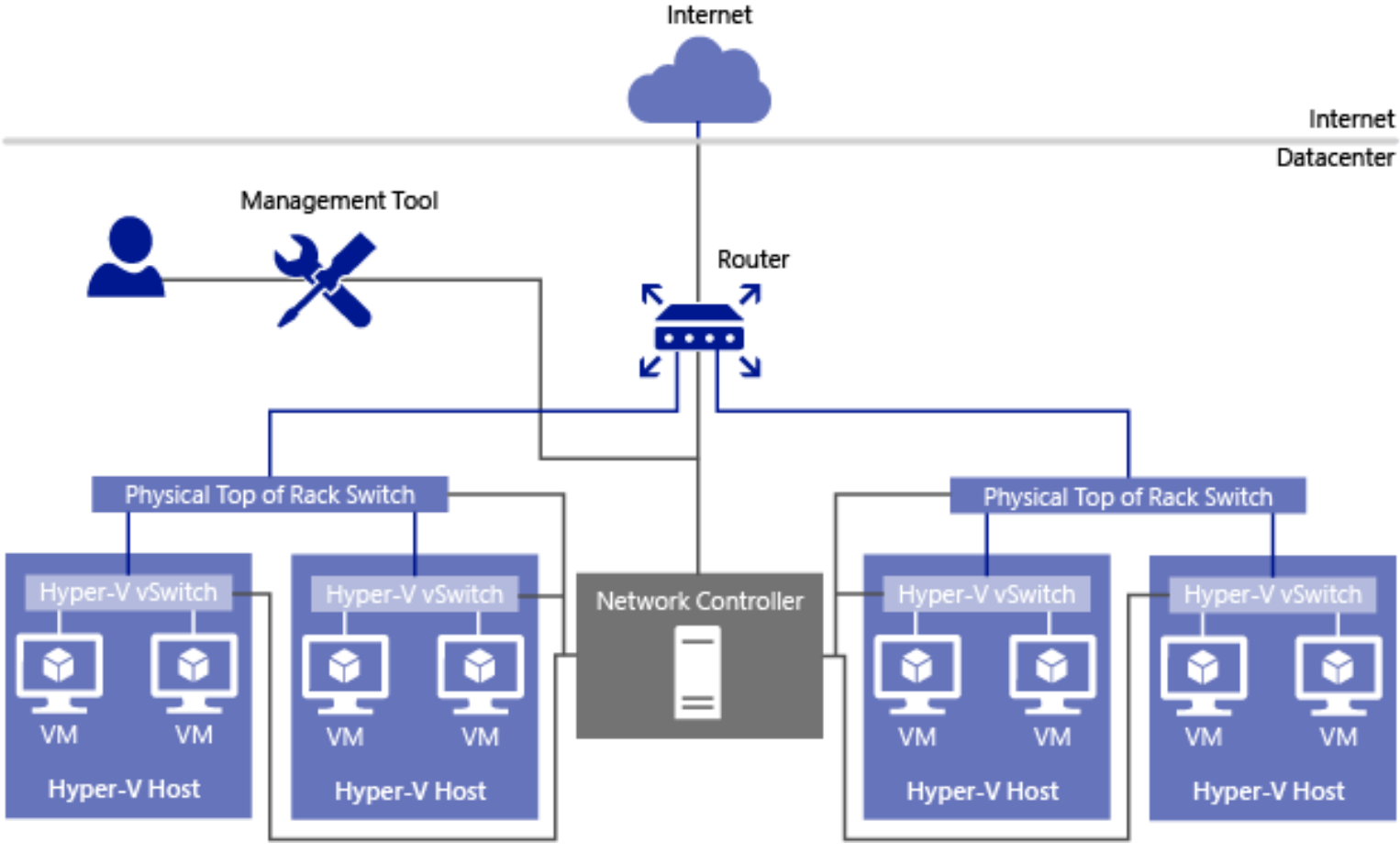
- **OpenGL und OpenCL**
- **Multipoint Services**
  - Bisher eigenes Produkt
  - Jetzt RDS-Rolle





Network Controller



... und sonst

Privileged Access Management

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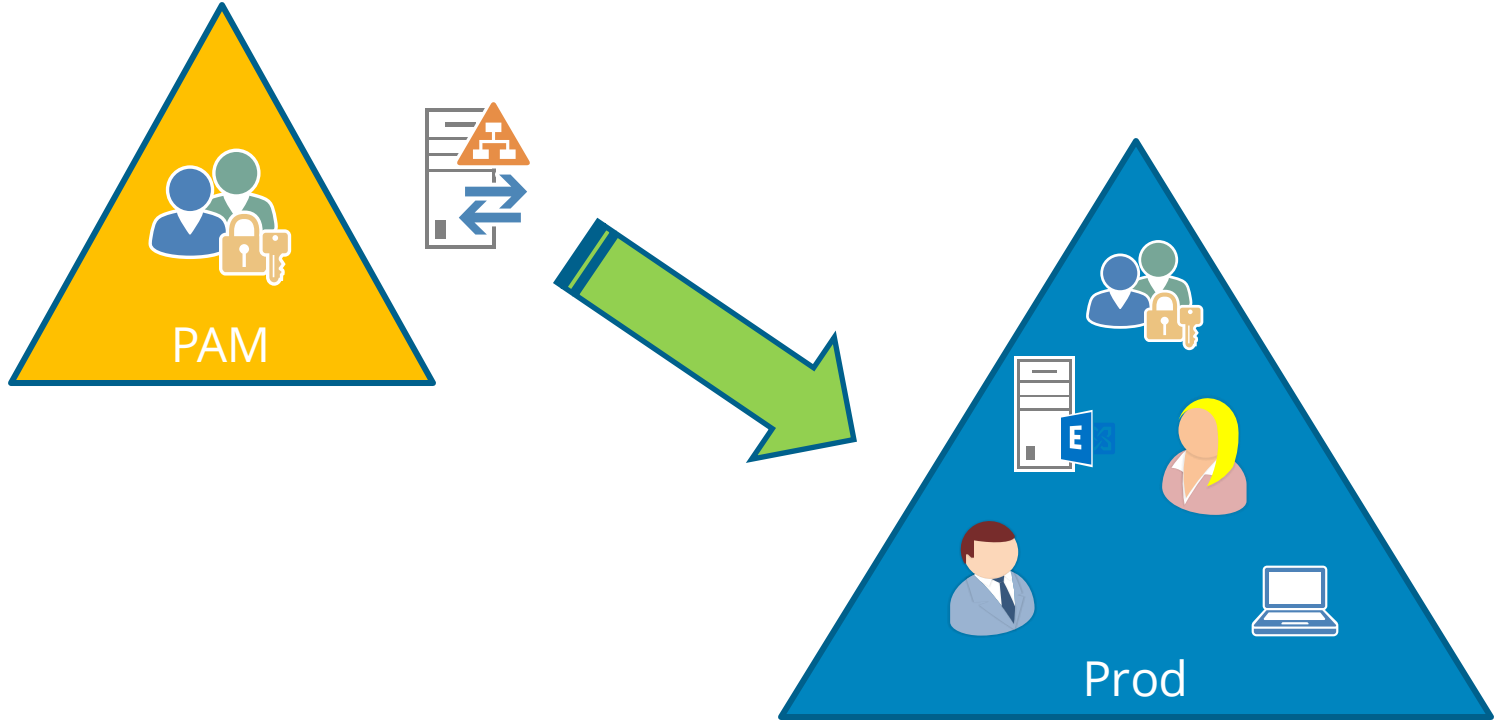

… und sonst …

- Hyper-V
- PowerShell 5.0
- Virtuelle Netzwerke für VM-Hosting
- ADFS mit Nicht-AD-Identitäten
- DNS Server Policies

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