

BACHELOR OPPGAVE

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Gruppe 35E

OPPGAVEN



ALTEA

- IT bedrift
 - Windows Server 2012R2
 - VMWARE
 - SCCM 2012R2
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INSTALLASJONER

- Windows Server 2016
 - System Center configuration manager 2016
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WINDOWS SERVER 2016 OG HYPER-V (2016)

- Containers
 - Nano server
 - Nesting
 - Hot-Add
 - Docker Support
 - Storage Spaces Direct
 - Powershell Direct
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CONTAINERS

- Hva er containers
 - Container typer
 - Hva containers kan gjøre
 - Bruksområder for containers
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DOCKER SUPPORT

Kildekodemotor for å bygge, kjøre og administrere containere


Før bare tilgjengelig på Linux OS



DEMO CONTAINERS




NANO SERVER

- Ekskluderer GUI, 32-bits programvare og Windows installer
 - Styring utføres med Windows management instrumentation og powershell
 - 93% mindre VHD, 92% mindre kritiske sikkerhetsmeldinger, 80% mindre omstarter.
 - Bruksområder på datacenter
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NESTED VIRTUALISERING

- Mulighet til å kjøre Hyper-V i en Hyper-V maskin
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POWERSHELL DIRECT

- Ny måte å kjøre kommandoer i en VM fra host
 - Ingen brannmur eller nettverk konfigureringer
 - Trenger credentials
- 


DEMO POWERSHELL DIRECT




HOT-ADD

- Legge til/fjerne virtuelt minne
 - Legge til/fjerne virtuelle nettverkskort
- 


STORAGE SPACES DIRECT

- Software definert lagringssystem
 - Skalerbare storage pools for Hyper-V maskiner
 - Forklaring/demo(?) av hvordan SPD fungerer
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RULLENDE OPPGRADERING FOR HYPER-V OG LAGRINGS CLUSTERE

- Oppgradering av OS fra WS2012 til WS2016 på clustere
 - Clustere trenger ikke stoppes eller omstartes
 - Muligheter for automatisering via PowerShell/WMI
 - Oppgradering gjort lettere og unngå nedetid
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SYSTEM CENTER CONFIGURATION MANAGER

- Intune
 - Windows 10 support
 - SCCM i skyen
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INTUNE

- Administrere enheter fra skyen
 - Tilgang til bedriftsdata
 - Sikre bedriften
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DEMO INTUNE



WINDOWS 10 SUPPORT

- OS for alle enheter
- Støtte

SCCM 2016 I SKYEN

- Offisielle støtte for kjøring i skyen



TAKK FOR OSS

