



Windows Server 2016

Kursus	
5 dage	DKK 19.499
Nr. 87816 A	ekskl. moms
Dato	Sted
13-01-2021	Taastrup
08-03-2021	Aarhus
14-04-2021	Taastrup
18-08-2021	Taastrup
04-10-2021	Aarhus

Installation, Storage, and Compute with Windows Server 2016 [20740]

Dette kursus giver dig en introduktion til Windows Server 2016, hvor du får den nødvendige viden til at installere og håndtere Windows Server 2016 med fokus på Storage og Compute. Du lærer desuden at installere Nano Server og Server Core samt planlægge server-opgradering og migreringsstrategi. Vi gennemgår, hvordan du installerer og konfigurerer Hyper-V og Hyper-V containere, og hvordan du håndterer, overvåger og vedligeholder installationer med virtuelle maskiner.

Deltagerprofil

Kurset er for dig, der har nogen erfaring med Windows Server, og som ønsker viden om de tre kerneområder Storage, Hyper-V, og Deployment i Windows Server 2016.

Du forventes at have et grundlæggende kendskab til netværk, herunder AD DS koncepter, Server hardware, Security best practices samt erfaring med support og konfiguration af Windows 8 eller 10.

Indhold

Module 1: Installing, upgrading, and migrating servers and workloads

- Introducing Windows Server 2016
- Preparing and installing Nano Server and Server Core



- Preparing for upgrades and migrations
- Migrating server roles and workloads
- Windows Server activation models

Module 2: Configuring local storage

- Managing disks in Windows Server 2016
- Managing volumes in Windows Server 2016

Module 3: Implementing enterprise storage solutions

- Overview of direct-attached storage, network-attached storage, and storage area networks
- Comparing Fibre Channel, iSCSI, and FCoE
- Understanding iSNS, data centre bridging, and MPIO
- Configuring sharing in Windows Server 2016

Module 4: Implementing Storage Spaces and Data Deduplication

- Implementing Storage Spaces
- Managing Storage Spaces
- Implementing Data Deduplication

Module 5: Installing and configuring Hyper-V and virtual machines

- Overview of Hyper-V
- Installing Hyper-V
- Configuring storage on Hyper-V host servers
- Configuring networking on Hyper-V host servers
- Configuring Hyper-V virtual machines
- Managing Hyper-V virtual machines

Module 6: Deploying and managing Windows Server and Hyper-V containers

- Overview of containers in Windows Server 2016
- Deploying Windows Server and Hyper-V containers
- Installing, configuring, and managing containers

Module 7: Overview of high availability and disaster recovery

- Defining levels of availability
- Planning high availability and disaster recovery solutions with Hyper-V virtual machines
- Backing up and restoring the Windows Server 2016 operating system and data by using Windows Server Backup
- High availability with failover clustering in Windows Server 2016

Module 8: Implementing and managing failover clustering

- Planning a failover cluster
- Creating and configuring a new failover cluster
- Maintaining a failover cluster
- Troubleshooting a failover cluster
- Implementing site high availability with stretch clustering

Module 9: Implementing failover clustering for Hyper-V virtual machines

- Overview of integrating Hyper-V in Windows Server 2016 with failover clustering
- Implementing and maintaining Hyper-V virtual machines on failover clusters
- Key features for virtual machines in a clustered environment

Module 10: Implementing Network Load Balancing



- Overview of NLB clusters
- Configuring an NLB cluster
- Planning an NLB implementation

Module 11: Creating and managing deployment images

- Introduction to deployment images
- Creating and managing deployment images by using MDT
- Virtual machine environments for different workloads

Module 12: Managing, monitoring, and maintaining virtual machine installations

- WSUS overview and deployment options
- Update management process with WSUS
- Overview of PowerShell DSC
- Overview of Windows Server 2016 monitoring tools
- Using Performance Monitor
- Monitoring Event Logs

Microsoft Software Assurance Vouchere

Kurset kan betales med 5 stk. SA vouchere.

Certificering

Kurset leder hen mod eksamen [70-740 Installation, Storage and Compute with Windows Server 2016](#). Eksamen bestilles og betales særskilt.

Undervisere

Undervisningen varetages af en erfaren underviser fra Teknologisk Instituts netværk bestående af branchens dygtigste undervisere.

Har du faglige spørgsmål så kontakt



Charlotte Heimann
+45 72203147
chhn@teknologisk.dk