Brochure
VMware vSphere: Fast Track [V8] (VSFT8)

Klanten geven
ons een:

9,2

★★★★⯪

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INHOUDSOPGAVE

" Onze trainers nemen de tijd om elke cursist te begrijpen en hun specifieke behoeften en doelen in kaart te brengen. "
Pieter Fokkema, directeur Startel

1 OVER STARTEL

Startel
Dé IT-opleider

Wij zijn Startel. Al ruim 25 jaar de IT-opleider. Wij zijn gevestigd in centraal Noord-Nederland, aan de A7 te Drachten. Onze moderne opleidingslocatie ligt ideaal in de driehoek van Assen, Heerenveen en Groningen.

25+
Jaar ervaring

Met meer dan 25 jaar ervaring bieden wij de meest effectieve IT-trainingen voor professionals en bedrijven. Onze jarenlange ervaring met het trainen van cursisten stelt ons in staat om behoeften nauwkeurig in te schatten en maatwerk te leveren dat direct toepasbaar is in de praktijk. Hierdoor worden wij gezien als een ervaren en betrouwbare partner, die niet alleen kennis overbrengt maar ook zorgt voor duurzame resultaten.

Wij geloven dat elke cursist uniek is, met eigen leerbehoeften en doelen. Daarom nemen wij de tijd om onze cursisten goed te leren kennen en onze trainingen hierop af te stemmen. Met focus op persoonlijke benadering zorgen wij ervoor dat iedereen het maximale uit de training haalt.

Persoonlijke aanpak

350+
Trainingen beschikbaar

Wij werken samen met toonaangevende leveranciers zoals Microsoft, CompTIA, EC-Council en Mile2 om jou de beste IT trainingen te bieden. Dankzij deze partnerships kunnen wij meer dan 350 hoogwaardige trainingen aanbieden, variërend van basisvaardigheden tot gespecialiseerde certificeringen.

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Over de VMware vSphere: FastTrack [V8] (VSFT8)

This five-day, extended hour course takes you from introductory to advanced VMware vSphere® 8 management skills. Building on the installation and configuration content from our best-selling course, you will also develop advanced skills needed to manage and maintain a highly available and scalable virtual infrastructure.

Through a mix of lecture and hands-on labs, you will install, configure, and manage vSphere 8. You will explore the features that build a foundation for a truly scalable infrastructure and discuss when and where these features have the greatest effect. This course prepares you to administer a vSphere infrastructure for an organization of any size using vSphere 8, which includes VMware ESXi™ 8 and VMware vCenter Server® 8.

Product Alignment

- VMware ESXi 8.0.
- VMware vCenter 8.0.

Voor wie is de VSFT8?

System engineers and administrators involved in the deployment and administration of a vSphere environment.

Leerdoelen van de VSFT8

By the end of the course, you should be able to meet the following objectives:

- Install and configure ESXi hosts.
- Deploy and configure vCenter.
- Use the vSphere Client to create the vCenter inventory and assign roles to

vCenter users.
- Configure vCenter High Availability.
- Create and configure virtual networks using vSphere standard switches and distributed switches.
- Create and configure datastores using storage technologies supported by vSphere.
- Use the vSphere Client to create virtual machines, templates, clones, and snapshots.
- Configure and manage a VMware Tools Repository.
- Create content libraries for managing templates and deploying virtual machines.
- Manage virtual machine resource use.
- Migrate virtual machines with vSphere vMotion and vSphere Storage vMotion.
- Create and configure a vSphere cluster that is enabled with vSphere High Availability and vSphere Distributed Resource Scheduler.
- Manage the life cycle of vSphere to keep vCenter, ESXi hosts, and virtual machines up to date.
- Configure and manage vSphere networking and storage for a large and sophisticated enterprise.
- Use host profiles to manage VMware ESXi host compliance.
- Monitor the vCenter, ESXi, and VMs performance in the vSphere client.

Recommended as preparation for the following exams:

- **2VO-21.23** - VMware vSphere 8.x Professional required for VMware Certified Professional - Data Center Virtualization 2023 certification.

Aanbevolen voorkennis VSFT8

This course has the following prerequisites:

- System administration experience on Microsoft Windows or Linux operating systems.

Onderwerpen van de VSFT8

- **VSFT8 | 1 Course Introduction**
  - Introductions and course logistics.

- Course objectives.
- **VSFT8 | 2 vSphere and Virtualization Overview**
  - Explain basic virtualization concepts.
  - Describe how vSphere fits in the software-defined data center and the cloud infrastructure.
  - Recognize the user interfaces for accessing vSphere.
  - Explain how vSphere interacts with CPUs, memory, networks, storage, and GPUs.
  - Install an ESXi host.
- **VSFT8 | 3 vCenter Management**
  - Recognize ESXi hosts communication with vCenter.
  - Deploy vCenter Server Appliance.
  - Configure vCenter settings.
  - Use the vSphere Client to add and manage license keys.
  - Create and organize vCenter inventory objects.
  - Recognize the rules for applying vCenter permissions.
  - View vSphere tasks and events.
  - Create a vCenter backup schedule.
  - Recognize the importance of vCenter High Availability.
  - Explain how vCenter High Availability works.
- **VSFT8 | 4 Configure and Manage vSphere Networking**
  - Configure and view standard switch configurations.
  - Configure and view distributed switch configurations.
  - Recognize the difference between standard switches and distributed switches.
  - Explain how to set networking policies on standard and distributed switches.
- **VSFT8 | 5 Configure and Manage vSphere Storage**
  - Recognize vSphere storage technologies.
  - Identify types of vSphere datastores.
  - Describe Fibre Channel components and addressing.
  - Describe iSCSI components and addressing.
  - Configure iSCSI storage on ESXi.
  - Create and manage VMFS datastores.
  - Configure and manage NFS datastores.
  - Discuss vSphere support for NVMe and iSER technologies.
- **VSFT8 | 6 Deploying Virtual Machines**

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- Create and provision VMs.
- Explain the importance of VMware Tools.
- Identify the files that make up a VM.
- Recognize the components of a VM.
- Navigate the vSphere Client and examine VM settings and options.
- Modify VMs by dynamically increasing resources.
- Create VM templates and deploy VMs from them.
- Clone VMs.
- Create customization specifications for guest operating systems.
- Create local, published, and subscribed content libraries.
- Deploy VMs from content libraries.
- Manage multiple versions of VM templates in content libraries.

- **VSFT8 | 7 Managing Virtual Machines**
  - Recognize the types of VM migrations that you can perform within a vCenter instance and across vCenter instances.
  - Migrate VMs using vSphere vMotion.
  - Describe the role of Enhanced vMotion Compatibility in migrations.
  - Migrate VMs using vSphere Storage vMotion.
  - Take a snapshot of a VM.
  - Manage, consolidate, and delete snapshots.
  - Describe CPU and memory concepts in relation to a virtualized environment.
  - Describe how VMs compete for resources.
  - Define CPU and memory shares, reservations, and limits.
  - Recognize the role of a VMware Tools Repository.
  - Configure a VMware Tools Repository.
  - Recognize the backup and restore solution for VMs.

- **VSFT8 | 8 vSphere Cluster Management**
  - Use Cluster Quickstart to enable vSphere cluster services and configure the cluster.
  - View information about a vSphere cluster.
  - Explain how vSphere DRS determines VM placement on hosts in the cluster.
  - Recognize use cases for vSphere DRS settings.
  - Monitor a vSphere DRS cluster.
  - Describe how vSphere HA responds to different types of failures.
  - Identify options for configuring network redundancy in a vSphere HA

cluster.
- ○ Recognize the use cases for various vSphere HA settings.
- ○ Configure a cluster enabled for vSphere DRS and vSphere HA.
- ○ Recognize when to use vSphere Fault Tolerance.
- ○ Describe the function of the vCLS.
- ○ Recognize operations that might disrupt the healthy functioning of vCLS VMs.
- **VSFT8 | 9 Managing the vSphere Lifecycle**
  - ○ Generate vCenter interoperability reports.
  - ○ Recognize features of vSphere Lifecycle Manager.
  - ○ Describe ESXi images and image depots.
  - ○ Enable vSphere Lifecycle Manager in a vSphere cluster.
  - ○ Validate ESXi host compliance against a cluster image and remediate ESXi hosts using vSphere Lifecycle Manager.
  - ○ Describe vSphere Lifecycle Manager automatic recommendations.
  - ○ Use vSphere Lifecycle Manager to upgrade VMware.
  - ○ Tools and VM hardware.
- **VSFT8 | 10 Network Operations**
  - ○ Configure and manage vSphere distributed switches.
  - ○ Describe how VMware vSphere Network I/O Control enhances performance.
  - ○ Define vSphere Distributed Services Engine.
  - ○ Describe the use cases and benefits of vSphere.
  - ○ Distributed Services Engine.
- **VSFT8 | 11 Storage Operations**
  - ○ Describe the architecture and requirements of vSAN configuration.
  - ○ Describe storage policy-based management.
  - ○ Recognize components in the vSphere Virtual Volumes architecture.
  - ○ Configure Storage I/O Control.
- **VSFT8 | 12 ESXi Operations**
  - ○ Use host profiles to manage ESXi configuration compliance.
  - ○ Recognize the benefits of using configuration profiles.
- **VSFT8 | 13 vSphere Monitoring**
  - ○ Monitor the key factors that can affect a virtual machine's performance.
  - ○ Describe the factors that influence vCenter performance.
  - ○ Use vCenter tools to monitor resource use.
  - ○ Create custom alarms in vCenter.

- Describe the benefits and capabilities of VMware Skyline.
- Recognize uses for Skyline Advisor Pro.

OPLEIDINGSDETAILS

Kosten	4250,- Excl. BTW
Totale leesduur	5 dagen
Tijdstip	09:00 - 17:00
Afronding	Na afloop van deze training ontvang je een certificaat van deelname.
Soort training	Klassikaal, virtueel of op maat
Trainingslocatie	Drachten of op eigen locatie

Wil je deze training volgen? Schrijf je dan nu in en zet de volgende stap in je IT-carrière!

Nu Inschrijven

Hulp nodig? Wij helpen je!

Neem contact met ons op.

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Naar contactformulier