

VMware vSphere: Fast Track

Cursusduur: 5 Dagen **Cursuscode: VSFT** **Version: 5.5**

Beschrijving:

This intensive, extended-hours training course focuses on installing, configuring, and managing VMware vSphere® 5.5. This course combines the content of the VMware vSphere: Install, Configure, Manage course with advanced tasks and skills for configuring a highly available and scalable virtual infrastructure. The course is based on VMware® ESXi™ 5.5 and VMware® vCenter Server™ 5.5. Completion of this course satisfies the prerequisite for taking the VMware® Certified Professional 5 exam.

Doelgroep:

Experienced system administrators and system integrators willing to work hard to achieve superior vSphere skills with minimal time away from the office

Doelstelling:

- By the end of the course, you should be able to meet the following objectives:
- Configure and manage ESXi networking and storage
-
- Create, configure, migrate, manage, and monitor virtual machines and virtual appliances
-
- Manage user access to the VMware® virtual infrastructure
-
- Use vCenter Server to monitor resource usage Implement VMware vSphere® High Availability and VMware vSphere® Fault Tolerance
-
- Use host profiles to manage ESXi configuration compliance
-
- Use vSphere distributed switches to scale networking
-
- Use policy-driven storage and VMware vSphere® Storage DRS™ to scale storage
-
- Use VMware vSphere® Update Manager™ to apply ESXi patches
-
- Use VMware vSphere® Management Assistant to manage vSphere Deploy ESXi, vCenter Server, and VMware® vCenter Server™ Appliance™
-
- Use VMware vSphere® ESXi™ Image Builder CLI to create an ESXi image
-
- Use VMware vSphere® Auto Deploy™ to provision ESXi hosts

Vereiste kennis en vaardigheden:

- System administration experience on Microsoft Windows or Linux operating systems
- Understanding of concepts presented in the VMware Data Center Virtualization Fundamentals course for VCA-DCV certification

Examens en certificering

The VSFT training prepares you well for the VCP5-DCV exam. All topics will be taught which can be part of the VCP5-DCV exam. Global Knowledge Advises you to also attend our VCP-DCV (v5.5) exam prep workshop ([VSEXP](#)). For more information on the exam topics, please read the [VCP5-DCV Exam Blueprint](#).

Also this training is part of the [Server](#)

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Vervolgcurssussen:

After completion of the VSFT training you can gain further knowledge by attending the following trainings:

- VSOS - VMware vSphere 5: Optimize & Scale v5.1
 - VST - VMware vSphere 5: Troubleshooting Workshop v5.1
 - VSD - VMware vSphere 5: Design Workshop
 - VMVIEW - VMware View 5: Install, Configure & Manage v5.2
 - VMSRM - VMware vCenter Site Recovery Manager: Install, Configure, Manage v5.1
 - VMCICM - VMware vCloud Director 5.1: Install, Configure, Manage v5.5
 - VMOMAP - VMware vCenter Operations Manager: Analyze & Predict
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Cursusinhoud:

Course Introduction

- Introductions and course logistics
- Course objectives
- Explain the concepts of server, network, and storage virtualization
- Describe where vSphere fits into the cloud architecture
- Install and use vSphere user interfaces
- Describe the ESXi architecture and configure various ESXi settings
- Deploy a single virtual machine
- Introduce vCenter Server Appliance
- Install and configure vCenter Server Appliance
- Using the VMware vSphere® Web Client
- Configuring VMware® vCenter™ Single Sign-On™
- Manage vCenter Server inventory objects and licenses
- Describe and modify standard switch properties
- Describe the NIC teaming of a standard switch port group
- Configure ESXi with iSCSI, NFS, and Fibre Channel storage
- Create and manage VMware vSphere® VMFS datastores
- Introduce VMware® Virtual SAN™ datastores
- Modify and manage virtual machines
- Create and manage virtual machine snapshots
- Perform VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® migrations
- Create a VMware vSphere® vApp™
- Discuss ESXi host access and authentication
- Integrate ESXi with Active Directory
- Describe methods for optimizing CPU and memory usage
- Configure and manage resource pools
- Use vCenter Server performance graphs and alarms to monitor resource usage
- Configure and manage a vSphere HA cluster
- Set vSphere HA advanced parameters
- Enable vSphere FT on a virtual machine
- Describe VMware vSphere® Replication
- Discuss distributed switch features, such as private VLANs, discovery protocols, VMware vSphere® Network I/O Control, NetFlow, and port mirroring
- Configure and manage a VMware vSphere® Distributed Resource Scheduler™ cluster
- Configure Enhanced vMotion Compatibility ? Use vSphere HA and vSphere DRS together
- Explain policy-driven storage ? Add a storage policy to a virtual machine storage profile

Virtual Machine Management

- Use templates and cloning to deploy virtual machines
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Storage Scalability

- Describe VMware vSphere® Storage APIs - Array Integration and Storage Awareness
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- Create a datastore cluster
- Configure Storage DRS
- Install vSphere Update Manager and the vSphere Update Manager plug-in
- Create patch baselines
- Scan and remediate hosts
- Configure vSphere Management Assistant
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- Install vCenter Server (Windows-based)
- Use VMware vSphere® PowerCLI™
- Use vSphere ESXi Image Builder CLIt to create an ESXi installation image
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Software-Defined Data Center

- Introduce virtualization and vSphere components
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 - Using the VMware vSphere® Web Client
 - Configuring VMware® vCenter™ Single Sign-On™
 - Manage vCenter Server inventory objects and licenses
 - Describe and modify standard switch properties
 - Describe the NIC teaming of a standard switch port group
 - Configure ESXi with iSCSI, NFS, and Fibre Channel storage
 - Create and manage VMware vSphere® VMFS datastores
 - Introduce VMware® Virtual SAN™ datastores
 - Modify and manage virtual machines
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 - Perform VMware vSphere® vMotion® and VMware vSphere® Storage vMotion® migrations
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 - Integrate ESXi with Active Directory
 - Describe methods for optimizing CPU and memory usage
 - Configure and manage resource pools
 - Use vCenter Server performance graphs and alarms to monitor resource usage
 - Configure and manage a vSphere HA cluster
 - Set vSphere HA advanced parameters
 - Enable vSphere FT on a virtual machine
 - Describe VMware vSphere® Replication
 - Discuss distributed switch features, such as private VLANs, discovery protocols, VMware vSphere® Network I/O Control, NetFlow, and port mirroring
 - Configure and manage a VMware vSphere® Distributed Resource Scheduler™ cluster
 - Configure Enhanced vMotion Compatibility ? Use vSphere HA and vSphere DRS together

Control

- Create a datastore cluster
 - Configure Storage DRS
 - Install vSphere Update Manager and the vSphere Update Manager plug-in
 - Create patch baselines
 - Scan and remediate hosts
 - Configure vSphere Management Assistant
 - Discuss the VMware vSphere® Command-Line Interface command set
 - Perform command-line operations for host management, network management, storage management, and performance monitoring
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Access and Authentication Control

- Control user access through roles and permissions
-
- Course objectives
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Patch Management

- Use vSphere Update Manager to manage ESXi patching
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Creating Virtual Machines

- Introduce virtual machines, virtual machine hardware, and virtual machine files
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- Discuss the VMware vSphere® Command-Line Interface command set
- Perform command-line operations for host management, network management, storage management, and performance

create an ESXi installation image

- Use vSphere Auto Deploy to deploy a stateless ESXi host

VMware vCenter Server

- Introduce vCenter Server architecture
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Resource Management and Monitoring

- Introduce virtual CPU and memory concepts
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- Explain the vSphere HA architecture

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- Discuss distributed switch features, such as private VLANs, discovery protocols, VMware vSphere® Network I/O Control, NetFlow, and port mirroring
- Configure and manage a VMware vSphere® Distributed Resource Scheduler™ cluster
- Configure Enhanced vMotion Compatibility ? Use vSphere HA and vSphere DRS together
- Explain policy-driven storage ? Add a storage policy to a virtual machine storage profile
- Introduce VMware vSphere® Storage I/O Control
- Create a datastore cluster
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Configuring and Managing Virtual Storage

- Introduce storage protocols and device names
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Network Scalability

- Create, configure, and manage vSphere distributed switches, network connections, and port groups
- Course objectives
- Explain the concepts of server, network,

cluster

- Set vSphere HA advanced parameters
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Host Scalability

- Use host profiles to manage ESXi configuration compliance
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- Configure and manage VMware vSphere® Distributed Power Management™
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Nadere informatie:

Neem voor nadere informatie of boekingen contact op met onze Customer Service Desk 030 - 60 89 444

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