Brochure
VMware vSphere: Troubleshooting [V8] (VTSW8)

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

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.

OVER DE TRAINING

Over de vSphere: Troubleshooting [V8] (VTSW8)

Deze training is alleen beschikbaar op aanvraag.

This five-day training course provides you with the knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 8 environment. This course increases your skill level and competence in using the command-line interface, VMware vSphere® Client™, log files, and other tools to analyze and solve problems.

Product Alignment

- VMware ESXi 8.0.
- VMware vCenter Server 8.0.

Voor wie is de VTSW8?

System architects and system administrators.

Leerdoelen van de VTSW8

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

- Introduce troubleshooting principles and procedures.
- Use command-line interfaces, log files, and the vSphere Client to diagnose and resolve problems in the vSphere environment.
- Explain the purpose of common vSphere log files.
- Identify networking issues based on reported symptoms.
- Validate and troubleshoot the reported networking issue.
- Identify the root cause of networking issue.
- Implement the appropriate resolution to recover from networking problems.
- Analyze storage failure scenarios using a logical troubleshooting methodology.
- Identify the root cause of storage failure.

- Apply the appropriate resolution to resolve storage failure problems.
- Troubleshoot vSphere cluster failure scenarios.
- Analyze possible vSphere cluster failure causes.
- Diagnose common VMware vSphere® High Availability problems and provide solutions.
- Identify and validate VMware ESXiTM host and VMware vCenter® problems.
- Analyze failure scenarios of ESXi host and vCenter problems.
- Select the correct resolution for the failure of ESXi host and vCenter problems.
- Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connection problems.
- Troubleshoot performance problems with vSphere components.

Aanbevolen voorkennis VTSW8

This course requires completion of one the following courses:

- VCP-DCV certification.
- VMware vSphere: Install, Configure, Manage [V8].
- VMware vSphere: Operate, Scale and Secure [V8].

The course material presumes that you can perform the following tasks with no assistance or guidance before enrolling in this course:

- Install and configure ESXi.
- Install vCenter Server.
- Create vCenter Server objects, such as data centers and folders.
- Create and modify a standard switch.
- Create and modify a distributed switch.
- Connect an ESXi host to NAS, iSCSI, or Fibre Channel storage.
- Create a VMware vSphere VMFS datastore.
- Modify a virtual machine's hardware.
- Migrate a virtual machine with VMware vSphere® vMotion® and VMware vSphere® Storage vMotion®.
- Configure and manage a VMware vSphere® Distributed Resource SchedulerTM cluster.
- Configure and manage a VMware vSphere HA cluster.
- Basic knowledge of command line tools like ESXCLI, DCLI, and PowerCLI.

OVER DE TRAINING

If you cannot complete these tasks, VMware recommends that you take the VMware vSphere: Install, Configure, Manage [V8] course instead.

Aanbevolen vereisten:

- VMware vSphere: Fast Track [V8] (VSFT8).
- VMware vSphere: Install, Configure, Manage [V8] (VSICM8).
- VMware vSphere: Optimize and Scale [V7] (VSOS7).
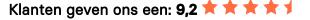
Onderwerpen van de VTSW8

1 Course Introduction

- Introductions and course logistics.
- Course objectives.

2 Introduction to Troubleshooting

- Define the scope of troubleshooting.
- Use a structured approach to solve configuration and operational problems.
- Apply troubleshooting methodology to logically diagnose faults and improve troubleshooting efficiency.

3 Troubleshooting Tools

- Discuss the various methods to run commands.
- Discuss the various ways to access ESXi Shell.
- Use commands to view, configure, and manage your vSphere components.
- Use the vSphere CLI.
- Use ESXCLI commands from the vSphere CLI.
- Use Data Center CLI commands.
- Identify the best tool for command-line interface troubleshooting.
- Identify important log files for troubleshooting vCenter Server and ESXi.
- Describe the benefits and capabilities of VMware SkylineTM.
- Explain how VMware Skyline works.
- Describe VMware SkylineTM Health.
- Describe VMware Skyline AdvisorTM.

4 Troubleshooting Virtual Networking

- Analyze and troubleshoot standard switch problems.
- Analyze and troubleshoot virtual machine connectivity problems.
- Analyze and troubleshoot management network problems.
- Analyze and troubleshoot distributed switch problems.

5 Troubleshooting Storage

- Discuss the vSphere storage architecture.
- Identify the possible causes of problems in the various types of datastores.
- Analyze the common storage connectivity and configuration problems.
- Discuss the possible storage problems causes.
- Solve the storage connectivity problems, correct misconfigurations, and restore LUN visibility.
- Review vSphere storage architecture and functionality necessary to troubleshoot storage problems.
- Use ESXi and Linux commands to troubleshoot storage problems.
- Analyze log file entries to identify the root cause of storage problems.
- Investigate ESXi storage issues.
- Troubleshoot VM snapshots.
- Troubleshoot storage performance problems.
- Review multipathing.
- Identify the common causes of missing paths, including PDL and APD conditions.
- Solve the missing path problems between hosts and storage devices.

6 Troubleshooting vSphere Clusters

- Identify and troubleshoot vSphere HA problems.
- Analyze and solve vSphere vMotion problems.
- Diagnose and troubleshoot common vSphere DRS problems.

7 Troubleshooting Virtual Machines

- Discuss virtual machine files and disk content IDs.
- Identify, analyze, and solve virtual machine snapshot problems.

- Troubleshoot virtual machine power-on problems.
- Identify possible causes and troubleshoot virtual machine connection state problems.
- Diagnose and recover from VMware Tools installation failures.

8 Troubleshooting vCenter Server and ESXi

- Analyze and solve vCenter Server service problems.
- Diagnose and troubleshoot vCenter Server database problems.
- Use vCenter Server Appliance shell and the Bash shell to identify and solve problems.
- Identify and troubleshoot ESXi host problems.

OPLEIDINGSDETAILS

Kosten	3750,- Excl. BTW
Totale leesduur	5 dagen
Tijdstip	09:00 - 17:00
Afronding	Na afloop van deze training en het afleggen van het examen, kun jij het certificaat: "VMware Certified Advanced Professional – Data Center Virtualization (VCAP-DCV) Deploy" verdienen. Bij deze training is er geen examenvoucher inbegrepen.
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