

VMware vSphere: Troubleshooting [V8]

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За Курса (About this Course):

- 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.
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Цели – Какво ще научите (Course Goals/Skills):

- By the end of the course, you should be able to meet the following objectives:
 - Describe troubleshooting principles and procedures
 - Use the vSphere Client, the command line, and log files to configure, diagnose, and

correct problems in vSphere • Explain the key vSphere log files from troubleshooting perspective • Describe the benefits and capabilities of VMware Skyline • Identify the networking issues by examining the reported symptoms, and troubleshoot the reported problems • Identify the storage issues by examining the reported symptoms, and troubleshoot the reported problems • Troubleshoot vSphere cluster failure scenarios and analyze possible causes • Diagnose common VMware vSphere® High Availability (vSphere HA) problems and provide solutions • Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connectivity problems • Identify VMware ESXi™ host and VMware vCenter Server® problems, analyze failure scenarios, and find resolutions • Troubleshoot performance problems with vSphere components

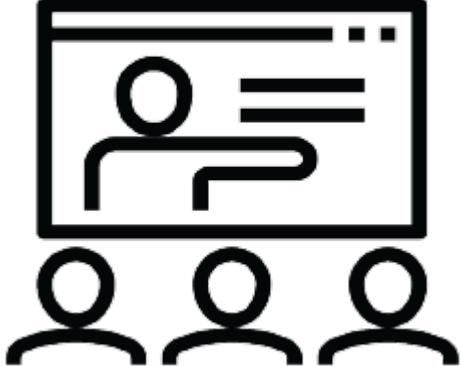
- 1 Course Introduction • Introductions and course logistics • Course objectives
- 2 Introduction to Troubleshooting • Define the scope of troubleshooting • Use a structured approach to solve configuration and operational problems • Apply troubleshooting methodology to diagnose faults and make troubleshooting efficient
- 3 Troubleshooting Tools • Identify the utilities and tools used to run commands • Identify how to access the vSphere ESXi shell • Run commands to view, configure, and manage vSphere components • Use Standalone ESXCLI for troubleshooting • Run ESXCLI commands from the Standalone ESXCLI tool • Use Data Center CLI commands for troubleshooting • Run commands to view, configure, and manage your vSphere components
- Identify the best tool to use for CLI troubleshooting
- Locate important log files • Identify how to use log files in troubleshooting • Describe the benefits and capabilities of VMware Skyline™ • Explain how VMware Skyline works at a high-level • Identify the types of health information provided by Skyline™ Health
- Identify uses for VMware Skyline™ Advisor • Describe

- the support bundle REST API
 - Use the support bundle REST API
- 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
- Recognize components in the vSphere storage architecture
 - Identify the possible causes of problems in the various types of datastores
 - Analyze the common storage connectivity and configuration problems and discuss the possible causes
 - Resolve the storage connectivity problems, correct misconfigurations, and restore LUN visibility
 - Analyze log file entries to identify the root cause of storage problems
 - Use ESXi and Linux commands to troubleshoot storage problems
 - Investigate ESXi storage issues
 - Troubleshoot virtual machine snapshots
 - Troubleshoot storage performance problems
 - Recognize how multipathing works
 - Identify the common causes of missing paths
 - Resolve the missing path problems between hosts and storage devices
- 6 Troubleshooting vSphere Clusters
- Identify and troubleshoot potential vSphere HA problems
 - Analyze and solve vSphere potential vMotion problems
 - Diagnose and troubleshoot potential vSphere DRS problems
- 7 Troubleshooting Virtual Machines
- Describe virtual machine files
 - Identify, analyze, and solve virtual machine snapshot problems
 - Discuss virtual machine files and disk content IDs
 - 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 resolve vCenter service problems
 - Diagnose and troubleshoot vCenter database problems
 - Use vCenter appliance shell and the Bash shell to identify and solve

Курсът е предназначен за (Audience) :

- System administrators
 - System integrators
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Формат на курса (Course Format) :

	
<p>Присъствен (Classroom) Курс в Учебната ни зала или В Офис на Клиент</p>	<p>Онлайн (Online/Virtual) Курс във виртуална зала с инструктор</p>

Език на курса (Course Language Option)

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Български (Bulgarian)	Английски (English)

Може да изберете Език на който да се проведе обучението – български или английски. Всичките ни инструктори владеят свободно английски език.

Учебни Материали (Student Guides) :



Учебните материали са достъпни в електронен формат. Могат да се ползват online/offline на всяко устройство. Доживотен достъп.

Лабораторна среда (Lab Environment) :



Всеки курсист разполага със собствена лаб среда, където се провеждат упражненията, част от курса. Не е необходимо да инсталирате софтуер на компютър или специални изисквания за хардуер.

Участниците в присъствен формат в Учебния ни център разполагат с индивидуален компютър по време на обучението.

След завършване получавате (At Course Completion):

<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Lifetime Access - Video Archive 24/7	Certificate of Course Completion

Доживотен достъп до видео архив с запис на всяка отделна лекция.

Официален международно признат сертификат за завършен курс на обучение.

Продължителност (Course Duration):



- 5 работни дни (09:00 – 17:00)

или

- 40 уч.ч. обучение (теория и практика) в извънработно време с продължителност 4 седмици
- събота и неделя 10:00 – 14:00, 14:00 – 18:00, 18:00 – 22:00
- понеделник и сряда 19:00 – 23:00
- вторник и четвъртък 19:00 – 23:00

Плащане



Заявка за издаване на фактура се приема към момента на записването на съответния курс.

Фактура се издава в рамките на 7 дни от потвърждаване на плащането.

Предстоящи Курсове (Next Class):



май 6

6 май 2024 @ 09:00 - 10 май 2024 @ 17:00 EEST

[VMware Horizon: Deploy and Manage \[V8.8\]](#)

май 15

15 май 2024 @ 09:00 - 17 май 2024 @ 17:00 EEST

[VMware vSphere: Design \[V8\]](#)

май 20

20 май 2024 @ 09:00 - 24 май 2024 @ 17:00 EEST

[VMware vSphere: Install, Configure, Manage \[v8\]](#)

юни 3

3 юни 2024 @ 09:00 - 7 юни 2024 @ 17:00 EEST

VMware Horizon: Deploy and Manage [V8.8]

юни 17

17 юни 2024 @ 09:00 - 21 юни 2024 @ 17:00 EEST

VMware vSphere: Install, Configure, Manage [v8]

[View Calendar](#)

За повече информация използвайте формата за контакт.

Ще се свържем с Вас за потвърждаване на датите.

Предпоставки (Изисквания) за Участие (Prerequisites):

- • VMware vSphere: Fast Track
 - VMware vSphere: Install, Configure, Manage
 - VMware vSphere: Optimize and Scale
 - Equivalent knowledge and administration experience with ESXi and vCenter Server
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Курсът подготвя за следните сертификационни нива