

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.

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

problems • Identify and troubleshoot ESXi host problems

Курсът е предназначен за (Audience):

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

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

Език на курса (Course Language Option)

<input type="checkbox"/>	<input 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):

	
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):



юли 13

09:00 - 17:00 EEST

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

авг. 10

09:00 - 17:00 EEST

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

сеп. 14

09:00 - 17:00 EEST

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


окт. 12

09:00 - 17:00 EEST

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

Manage [v8]

ное. 9

09:00 - 17:00 EET 

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[Към календара](#)

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**