

---

## VMware vSphere: Troubleshooting

Varighet: 4 Days    Kurskode: VST

---

### Beskrivelse:

This lab-intensive course focuses on providing system administrators with the advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere™ virtual infrastructure. In this course, you will spend most of the time diagnosing and rectifying configuration problems created on VMware® ESX™/ESXi hosts and VMware vCenter™ Server systems.

---

### Målgruppe:

System administrators, systems engineers, and help desk personnel who need the knowledge, skills, and abilities to perform advanced troubleshooting of their vSphere deployments

---

### Agenda:

- **At the end of the course, you should be able to:**
  - Use the VMware vSphere Client and service console commands to configure or diagnose and rectify problems on ESX
  - Use the vSphere Client and the VMware vSphere Management Assistant (vMA) appliance to configure or diagnose and rectify problems on ESX and ESXi hosts
  - Use ESXi technical support mode to diagnose and rectify problems on ESXi
  - Create and use a network sniffer to capture and display virtual switch network traffic
  - Use the vSphere Client and command-line tools to troubleshoot VMware VMotion™, VMware Storage VMotion, VMware High Availability, VMware Distributed Resource Scheduler, and virtual machine power-on problems
- 

### Forkunnskaper:

This is an advanced course. Prerequisites include the completion of one of the following:

#### Completion of the following three courses:

- VMware vSphere: Install, Configure, Manage
- VMware vSphere: Manage Availability
- VMware vSphere: Manage Scalability

#### Completion of vSphere: Fast Track.

#### Equivalent knowledge and administration

---

## Innhold:

### Module 1: Course Introduction

### Module 2: ESXi Command-Line Troubleshooting Methods

- Install and use vMA
- Learn common VMware vSphere Command-Line Interface commands and syntax
- Configure ESXi technical support mode and SSH access

### Module 3: ESX, ESXi, and vCenter Server Log Files

- View ESX, ESXi, and vCenter Server log files
- Configure a centralized ESX/ESXi log host

### Module 4: Network Troubleshooting

- Identify and configure vNetwork components
- Configure and use a network traffic sniffer

### Module 5: Management Troubleshooting

- Troubleshoot vSphere management components

### Module 6: Storage Troubleshooting

- View, configure, and diagnose storage access problems
- Configure iSCSI authentication and digests

### Module 7: VMotion Troubleshooting

- Troubleshoot VMotion and Storage VMotion errors

### Module 8: VMware HA Cluster Troubleshooting

- Troubleshoot errors with slot calculations, admission control, and host monitoring

### Module 9: DRS Cluster Troubleshooting

- Troubleshoot errors with shares, pools, and limits

### Module 10: Virtual Machine Troubleshooting

- Review power-on requirements
- Troubleshoot virtual machine power-on failures

### Module 11: Graduation Lab

- Complete a final multihour, multiproblem troubleshooting exercise

---

## Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

[info@globalknowledge.no](mailto:info@globalknowledge.no)

[www.globalknowledge.no](http://www.globalknowledge.no)

Greenseveien 97, 0663 Oslo, PO Box 6256 Etterstad, 0606 Oslo, Norway