

5 Days

VMware vSphere: Troubleshooting Workshop [V6.5]

The 5-day course equips you with the advanced skills, abilities, and knowledge to troubleshoot VMware vSphere 6.x environment. The workshop enhances your skill set and competence to analyze and solve problems using VMware vSphere® Web Client, command-line interface, VMware vRealize® Log In sight™, and, etc.

Course Objective:

On completion of this course, you will be able to

- Use vSphere web client
- Principles and procedures for troubleshooting
- Diagnose and resolve problems in vSphere environment
- Troubleshooting of networking problems, cluster failures
- VMware vSphere High Availability problems
- Troubleshoot virtual machine migration and VMware vCenter Server problems
- Troubleshoot faulty virtual machines, snapshots, installation, and, other related problems

Course Details

Course Outline

1. Course Introduction

- Introductions, course logistics, and objectives
- VMware certification system
- Benefits of the VMware Education Learning Zone
- Additional resources

2. Introduction to Troubleshooting

- System problem effects
- Principles and scope of troubleshooting
- Structured and logical troubleshooting
- Troubleshooting use cases

3. Troubleshooting Tools

- Use of command-line tools
- VMware vSphere Management Assistant
- Log files interpretation
- Use of vRealize log insight

4. Networking

- Network-related problems
- Standard switch and distributed switch problems, analysis, and resolution
- Virtual machine connectivity problems and its fixation
- Network connectivity problems and restore configurations

5. Storage

- Troubleshooting storage and connectivity problems
- Analysis of storage-related logs, hardware malfunction, and software misconfiguration

- Multipathing related problems identification
- Causes, recovery, and restore of storage visibility

6. vSphere Clusters

- vSphere HA identification and recovery
- Troubleshooting virtual machine migrations
- vSphere DRS problems and its recovery
- vSphere cluster failure and its solutions

7. Virtual Machines

- Common virtual machine snapshot problems and its resolution
- Virtual machine power-on problems and solutions
- Virtual machine connection problems and troubleshooting
- VMware Tools™ installations problems and its resolution
- Failure scenarios and its solutions

8. vCenter Server and ESXi

- vCenter Server and VMware Platform Services Controller architecture
- Troubleshooting VMware Certificate and certificate problems
- vCenter server problems and fixation

Who Should Attend

- System Administrators
- System Integrators

Pre Requisite

The participants must have completed any one of the courses mentioned below

- VMware Certified Professional 6.5-Data Center Virtualization [VCP6.5-DCV]
- VMware vSphere: Fast Track [v6.5]
- VMware vSphere: Install, Configure, Manage [v6.5]
- ESXi and vCenter Server knowledge and experience

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