Arrow ECS Finland Oy - Education Services

TRAINING OFFERING

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VMware vSphere: Troubleshooting [V7]

CODE:	LENGTH:	PRICE:
VMW_VSTS7	40 Hours (5 days)	€3,850.00

Description

This five-day, hands-on training course provides you with the advanced knowledge, skills, and abilities to achieve competence in troubleshooting the VMware vSphere® 7.x environment. This workshop increases your skill and competence in using the command-line interface, VMware vSphere® Client™, log files, and other tools to analyze and solve problems.

Objectives

By the end of the course, you should be able to meet the following objectives:
• Introduce troubleshooting principles and procedures • Practice Linux commands that aid in the troubleshooting process
• Use command-line interfaces, log files, and the vSphere Client to diagnose and resolve problems in the vSphere environment
• Explain the purpose of key vSphere log files
• Identify networking problems based on reported symptoms, validate and troubleshoot the reported problem, identify the root cause and implement the appropriate resolution
• Analyze storage failure scenarios using a logical troubleshooting methodology, identify the root cause, and apply the appropriate resolution to resolve the problem
• Troubleshoot vSphere cluster failure scenarios and analyze possible causes
• Diagnose common VMware vSphere® High Availability problems and provide solutions
• Identify and validate VMware ESXi™ host and VMware vCenter Server® problems, analyze failure scenarios, and select the correct resolution
• Troubleshoot virtual machine problems, including migration problems, snapshot problems, and connection problems
• Troubleshoot performance problems with vSphere components

Audience

• system administrators • System integrators

Prerequisites

This course requires completion of one of the following prerequisites: • VMware vSphere: Fast Track [V6.x] or [V7]
• VMware vSphere: Install, Configure, Manage [V6.x] or [V7] • VMware vSphere: Optimize and Scale [V6.x] or [V7]
• Equivalent knowledge and administration experience with ESXi and vCenter Server
Experience in working with a command-line interface is highly recommended.

Programme

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 a troubleshooting methodology to logically diagnose faults and improve troubleshooting efficiency 3 Troubleshooting Tools
• Use command-line tools (such as Linux commands, vSphere CLI, ESXCLI) to identify and troubleshoot vSphere problems
• Identify important vSphere log files and interpret the log file contents 4 Troubleshooting Virtual Networking
• Analyze and resolve standard switch and distributed switch problems
• Analyze virtual machine connectivity problems and fix them
• Examine common management network connectivity problems and restore configurations 5 Troubleshooting Storage
• Troubleshoot and resolve storage (iSCSI, NFS, and VMware vSphere® VMFS) connectivity and configuration problems
• Analyze and resolve common VM snapshot problems
• Identify multipathing-related problems, including common causes of permanent device loss (PDL) and all paths down (APD) events and resolve these problems
6 Troubleshooting vSphere Clusters • Identify and recover from problems related to vSphere HA

• Analyze and resolve VMware vSphere® vMotion® configuration and operational problems
• Analyze and resolve common VMware vSphere® Distributed Resource Scheduler™ problems
7 Troubleshooting Virtual Machines • Identify possible causes and resolve virtual machine power-on problems
• Troubleshoot virtual machine connection state problems • Resolve problems seen during VMware Tools™ installations
8 Troubleshooting vCenter Server and ESXi • Analyze and fix problems with vCenter Server services
• Analyze and fix vCenter Server database problems
• Examine ESXi host and vCenter Server failure scenarios and resolve the problems

Session Dates

Aikataulutamme kiinnostuksen mukaan. Ota yhteyttä

Additional Information

This training is also available as onsite training. Please contact us to find out more.