



Cisco Data Center Unified Computing System C-Series Troubleshooting (DCUCSCTS)

Course ID#: 1575-936-ZZ-W

Hours: 14

Course Content

Course Description:

The Cisco Data Center Unified Computing System C-Series Troubleshooting (DCUCSCTS) course is an instructor-led course delivered by NterOne Corporation to partners and end-user customers. This 2-day course enables the UCS Partner to troubleshoot Level 2 UCS C-Series issues. The goal of this course is to enable UCS Partners, technicians, and engineers to troubleshoot Level 2 UCS C-Series issues.

Prerequisites:

Data Center Unified Computing Implementation (DCUCI) v4.0

Topics:

Module 1: Troubleshooting Methodology

- UCS C-Series Product Review
- C-Series Initial Setup and Configuration
- UCS C-Series Troubleshooting Methodology
- C-Series Data Gathering Activities

Module 2: Configuring Firmware Updates

- Download Firmware Updates by Using the Host Upgrade Utility
- Perform a Remote Update to the Server BIOS
- Perform a BIOS Update by Using the EFI Shell
- Configure USB Recovery Modules for Server BIOS Recovery

Module 3: Troubleshooting LAN Connectivity

- UCS C-Series P81E Virtual Interface Card Overview
- Fibre Channel over Ethernet Initialization Protocol
- Troubleshoot the UCS C-Series VIC (P81E) Installation and Configuration

Module 4: Troubleshooting SAN Connectivity

- Cisco VIC P81E SAN Configuration
- Fibre Channel over Ethernet Initialization Protocol
- Cisco VIC P81E SAN Troubleshooting

Module 5: Troubleshooting Local Disk and RAID

- UCS C-Series RAID Controller Overview
- UCS C-Series LSI Controller SAS Expanders and Extenders
- UCS C-Series RAID Controller Configuration
- Troubleshoot RAID Adapter and Disk Failures

Module 6: Troubleshooting Operating System Driver Issues

- Installing a Windows Operating System onto a Local Drive
- Installing the Operating System Using SAN Boot
- OS Device Drivers After Installation
- Troubleshoot OS Device Driver Problems



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Module 7: Troubleshooting Management Access

- Execute CIMC and BIOS Password Recovery
- Troubleshoot the LOM and Cisco Card Mode
- Troubleshoot IPMI Access
- Troubleshoot SoL Access

Module 8: Configuring UCS C-Series Integration with UCS Manager

- UCS C-Series and UCS Manager Integration Overview
- UCS C-Series and UCS Manager Installation
- UCS C-Series and UCS Manager Troubleshooting