

Oracle Solaris 11 Fault Analysis and Troubleshooting

Length: 5 days

No hands-on lab environment for TOD course medium
The Oracle Solaris 11 Fault Analysis and Troubleshooting course is designed to teach intermediate-level system administrators how to troubleshoot problems.

Learn To:

- Use various troubleshooting techniques and tools to analyze and resolve system faults
- Troubleshoot problems with booting a SPARC-based system
- Troubleshoot problems with IPS and AI
- Troubleshoot physical and virtual network issues
- Troubleshoot problems with zones

Benefits To You :

System administrators will benefit from this course because they are exposed to the types of problems they encounter on the job and given the opportunity to resolve these problems with little to no guidance using the techniques and tools they are presented with in the class. Given a "safe" training environment in which to work through a multitude of system faults, system administrators will leave the course confident in their ability to troubleshoot all areas of the Oracle Solaris 11 operating system.

Hands On Experience :

The Oracle Solaris 11 Fault Analysis and Troubleshooting course is designed to teach intermediate-level system administrators how to troubleshoot problems. With extensive hands-on labs taught on

SPARC hardware, this course provides system administrators the in-depth experience they need to quickly and expertly troubleshoot a wide-range of system faults.

Required Prerequisites

Intermediate-level system administration skills in Oracle Solaris 11.

Suggested Prerequisites

Oracle Solaris 11 Advanced System Administration

Oracle Solaris 11 Advanced System Administration Ed 4

Oracle Solaris 11 Advanced System Administration Ed 5

Oracle Solaris 11 Advanced System Administration Ed 6

Course Objectives

- Troubleshoot issues with booting a SPARC-based system
- Troubleshoot Image Packaging System (IPS) issues
- Troubleshoot problems with zones
- Troubleshoot physical and virtual network issues
- Use various troubleshooting techniques and tools to analyze and resolve system faults
- Troubleshoot issues using the System Management Facility (SMF)

Course Topics

Analyzing System Failures and Troubleshooting Techniques

- Overview of Oracle Solaris System Fault Types Using Assumptive Troubleshooting Techniques.
- Mitigate the impact of system faults.

Utilizing Useful Troubleshooting Tools in Oracle Solaris 11

- Hardware Components.
- Method for troubleshooting hardware faults.



- Server Processor (SP)
 - OpenBoot PROM
 - Hardware Diagnostics
- Troubleshooting Solaris Startup Faults
- Oracle Solaris OS Startup
 - Troubleshooting the System for Booting Problems
 - Service Management Facility (SMF)
- Troubleshooting Image Packaging System (IPS) Problems
- Reviewing IPS Features and Functionality
 - Checking the Basics
 - Installing and Updating Packages
 - Fixing Package Problems
- Troubleshooting Automated Installer (AI) Problems
- Reviewing AI Features and Functionality
 - Troubleshooting Client Installation Failures
 - Manually Installing After Booting
- Troubleshooting Problems with Zones
- Reviewing Zones Features and Functionality
 - Checking the Basics
 - Using Zones-related SMF Services
 - Monitoring Non-Global Zones
 - Fixing IPS Problems with Non-Global Zones
- Troubleshooting Physical and Virtual Network Problems
- Reviewing Physical and Virtual Network Features and Functionality
 - Checking the Basics
 - Observing the Network
- Troubleshooting Workshop
- Reviewing the Requirements for the Troubleshooting Workshop