

RH242 Linux Troubleshooting

Course Summary

Description

Troubleshooting is both an art and a science, an instinct (typically informed by experience) and a technique. In RH242 Linux Troubleshooting Techniques and Tools, participants will learn techniques for troubleshooting a Linux system and will learn to use a variety of troubleshooting tools available on Red Hat Enterprise Linux.

This course is a four-day, heavily lab-oriented class designed to help the student learn or improve troubleshooting skills. Students will gain troubleshooting experience by debugging live, virtualized systems.

Objectives

At the end of this course, students will be able to:

- Identify, diagnose, and resolve problems on a Red Hat Enterprise Linux system
- Take preventative action to avoid problems

Topics

- Introduction to troubleshooting techniques, including being prepared
- Troubleshooting hardware, including listing, testing, and analyzing devices
- Troubleshooting applications, including diagnosing performance problems and investigating application and OS interactions
- Troubleshooting disks and file systems, including LVM, LUKS, ext3/4, and unauthorized changes
- Troubleshooting the network, including configuring, testing, and diagnosing problems with basic and advanced configurations
- Security, including working effectively with (and not against) security tools like SELinux, authentication, and firewall
- Making the most of Red Hat support resources

Audience

This class is designed for Linux system administrators who understand how to install and configure a Red Hat Enterprise Linux system and who wish to deepen their understanding of troubleshooting on Linux.

Prerequisites

Students should take Red Hat System Administration I and II or RHCSA Rapid Track Course RHCSA certification holder or equivalent experience, have system administration knowledge under Red Hat Enterprise Linux and experience using hardware probing tools, such as ethtool and lspci)

Duration

Four days