

[RH342]: Red Hat Linux Diagnostics and Troubleshooting

Length : 4 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

The Red Hat Enterprise Linux Diagnostics and Troubleshooting course (RH342) provides system administrators with the tools and techniques they need to successfully diagnose, and fix, a variety of potential issues. Participants will work through hands-on problems in various subsystems to diagnose and fix common issues.

Participants will learn how to apply the scientific method to a structured form of troubleshooting. This approach is then used troubleshooting various types of problems, including boot issues, hardware issues, storage issues, RPM issues, network issues, third-party application issues, security issues, and kernel issues.

Audience Profile

The Red Hat Enterprise Linux Diagnostics and Troubleshooting course is aimed at senior system administrators who wish to learn more about troubleshooting.

At Course Completion

Participants can complete various comprehensive review labs to test their skills.

- Use the scientific method to approach troubleshooting
- Troubleshoot boot issues
- Troubleshoot security issues
- Troubleshoot storage issues
- Troubleshoot network issues

Pre-Requisites

- Have earned a Red Hat Certified System Administrator (RHCSA) or have similar experience
- It is recommended that participants have earned a Red Hat Certified Engineer (RHCE) or have similar experience

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Course Outline

Module 1: Introduction to troubleshooting

Lessons

- Describe a generalized strategy for troubleshooting

Module 2: Take proactive steps to prevent small issues

Lessons

- Prevent small issues from becoming large problems by employing proactive system administration techniques

Module 3: Troubleshoot boot issues

Lessons

- Identify and resolve issues that can affect a system's ability to boot

Module 4: Identify hardware issues

Lessons

- Identify hardware problems that can affect a system's ability to operate

Module 5: Troubleshoot storage issues

Lessons

- Identify and fix issues related to storage

Module 6: Troubleshoot RPM issues

Lessons

- Identify and fix problems in, and using, the package management subsystem

Module 7: Troubleshoot network issues

Lessons

- Identify and resolve network connectivity issues

Module 8: Troubleshoot application issues

Lessons

- Debug application issues

Module 9: Deal with security issues

Lessons

- Identify and fix issues related to security subsystems

Module 10: Troubleshoot kernel issues

Lessons

- Identify kernel issues and assist Red Hat Support in resolving kernel issues

Module 11: Red Hat Enterprise Linux Diagnostics and Troubleshooting comprehensive review

Lessons

- Practice and demonstrate knowledge and skills learned in Red Hat Enterprise Linux Diagnostics and Troubleshooting

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