Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam

Duration: 5 Days Course Code: RH343 Delivery Method: Virtual Learning

Overview:

Diagnose problems, gather information, and fix common issues with Red Hat Enterprise Linux

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.
This course is intended to develop the skills needed to prevent costly downtime due to system failure and quickly recover failed systems using analysis, diagnosis, and troubleshooting.
Students will work through hands-on problems in various subsystems to diagnose and fix common issues.
Students 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. At the end of the course students can complete various comprehensive review labs to test their skills.
This package (course + exam) is based on Red Hat Enterprise Linux 8.4 and includes an exam voucher.

Note: *Starting January 2026 this bundle (Course + Exam) only exists in CR (classroom) if scheduled or Closed course modalities.*
If you are targeting a virtual class, please consider RH342LS the new RHLS-course subscription which includes as well an exam voucher.

Updated Jan2026

Target Audience:

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

Objectives:

- **After this course participants should be able to:**
- Use the scientific method to approach troubleshooting
- Troubleshoot boot issues
- Troubleshoot security issues
- Troubleshoot storage issues
- Troubleshoot network issues

Prerequisites:

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

Take Red Hat free assessment to gauge whether this offering is the best fit for your skills Red Hat Skills Assessment

Testing and Certification

Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting exam (EX342) - exam voucher included.
Test your ability to analyze Red Hat Enterprise Linux systems for common issues that may cause degradation or loss of performance and either correct the issues or gather forensic information that can be passed along to a third party.

Follow-on-Courses:

None

Content:

Introduction to troubleshooting

- Describe a generalized strategy for troubleshooting.

Take proactive steps to prevent small issues

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

Troubleshoot boot issues

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

Identify hardware issues

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

Troubleshoot storage issues

- Identify and fix issues related to storage.

Troubleshoot RPM issues

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

Troubleshoot network issues

- Identify and resolve network connectivity issues.

Troubleshoot application issues

- Debug application issues.

Deal with security issues

- Identify and fix issues related to security subsystems.

Troubleshoot kernel issues

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

Red Hat Enterprise Linux Diagnostics and Troubleshooting comprehensive review

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

Additional Information:

Official course book provided to participants

Further Information:

For More information, or to book your course, please call us on +1 (800) 268 7737

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