

# Red Hat Enterprise Linux Diagnostics and Troubleshooting with exam

Course code: RH343

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. Students will work through hands-on problems in various subsystems to diagnose and fix common issues. This course also includes the exam, Red Hat Certificate of Expertise in Red Hat Enterprise Linux Diagnostics and Troubleshooting (EX342).

## Who is the course for

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

## What we teach you

Students will learn how to apply the scientific method to a structured form of troubleshooting. This approach is then used to troubleshoot 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.

Course summary

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

## Required skills

- Required to have earned a Red Hat Certified System Administrator (RHCSA)
- Recommended to have earned a Red Hat Certified Engineer (RHCE)

## Course outline

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

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# Red Hat Enterprise Linux Diagnostics and Troubleshooting with exam

- 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.

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