Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342)

Category: Infrastructure & IT Operations | **Vendor:** Red Hat

Duration: 40.00 hours (5 days) **32.5 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format:	Instructor Led - Online
Certification:	Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting
Related Exam:	EX342

Course Overview

The Red Hat Enterprise Linux Diagnostics and Troubleshooting (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 Certified Specialist in Linux Diagnostics and Troubleshooting Exam (EX342).

About This Course

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.

Course summary

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

Who Should Attend

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

Prerequisites & Entry Requirements

General Prerequisites:

Red Hat recommends these prerequisites:

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

Learning Outcomes

Upon successful completion of this course, participants will be able to:

Impact on the organization

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.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact on the individual

As a result of attending this course, students should be able to analyze the operational state of computer systems and identify potential issues. When problems appear, students will be able to successfully resolve the issue, returning it to a secure and stable working condition.

Students should be able to demonstrate the following skills:

- Diagnostic and analysis procedures
- Preventive maintenance planning and implementation
- System recovery using proven tools and techniques

Detailed 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

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.

Certification Path

Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting

Exam: EX342

Skills You Will Learn:

Impact on the organization

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Frequently Asked Questions

Q: What delivery options are available for Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: What certification does this course prepare me for?

The Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342) course helps prepare you for the Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting certification path.

Q: Which exam does this course prepare me for?

This course prepares you for the EX342 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 5-day Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342) course provides up to 32.5 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342) training?

The training takes place over 5 day(s), with each day lasting approximately 40.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: What related terms do people search for?

Popular related searches include: Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342), Advanced System Administration, RH343

Q: Why choose Nexus Human for Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat Enterprise Linux Diagnostics and Troubleshooting with Exam (EX342) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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