

## Red Hat Enterprise Linux Diagnostics and Troubleshooting

Duration: 5 Days    Course Code: RH342    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. 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.

#### Virtual Learning

This interactive training can be taken from any location, your office or home and is delivered by a trainer. This training does not have any delegates in the class with the instructor, since all delegates are virtually connected. Virtual delegates do not travel to this course, Global Knowledge will send you all the information needed before the start of the course and you can test the logins.

### 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:

- 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.
- As a result of attending this course, students should be able to leverage the software development life-cycle process to plan, create, test, and provision host systems within an organization.
- Students should be able to demonstrate the following skills:
  - Installation of Red Hat Satellite 6
  - Software life-cycle management of software used to provision and maintain configured hosts within a controlled production environment
- Following completion of this course you will have the knowledge and experience to:
  - Use the scientific method to approach troubleshooting
  - Troubleshoot boot issues
  - Troubleshoot security issues
  - Troubleshoot storage issues
  - Troubleshoot network issues

### Prerequisites:

Red Hat recommends these prerequisites:

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

### Testing and Certification

This course helps prepare you for the Red Hat Certificate of Expertise in Red Hat Enterprise Linux Diagnostics and Troubleshooting exam (EX342). Alternatively you can attend the RH343 Course that also includes the exam.

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:

■ EX342 - Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting Exam

## Content:

Introduction to troubleshooting	Troubleshoot storage issues	Deal with security issues
Describe a generalized strategy for troubleshooting.	Identify and fix issues related to storage.	Identify and fix issues related to security subsystems.
Take proactive steps to prevent small issues	Troubleshoot RPM issues	Troubleshoot kernel issues
Prevent small issues from becoming large problems by employing proactive system administration techniques.	Identify and fix problems in, and using, the package management subsystem.	Identify kernel issues and assist Red Hat Support in resolving kernel issues.
Troubleshoot boot issues	Troubleshoot network issues	Red Hat Enterprise Linux Diagnostics and Troubleshooting comprehensive review
Identify and resolve issues that can affect a system's ability to boot.	Identify and resolve network connectivity issues.	Practice and demonstrate knowledge and skills learned in Red Hat Enterprise Linux Diagnostics and Troubleshooting.
Identify hardware issues	Troubleshoot application issues	
Identify hardware problems that can affect a system's ability to operate.	Debug application issues.	Note: Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, please contact us.

## Additional Information:

### Red Hat Learning Subscriptions:

The Red Hat Learning Subscription is an exclusive program that provides users with 12-months access to all Red Hat Online Learning and video classroom courses. All subscribers will receive unlimited access to online learning content, up to 400 hours of hands-on lab time and more than 300 recorded instructor videos.

There are two versions available: Basic and Standard. These are also available in an Enterprise variant for large companies. The Standard is the most extensive subscription and offers access to Red Hat exams as an extra.

For more information please see LS120 and LS220 below

[https://www.globalknowledge.com/en-GB/Products/Red\\_Hat/LS120](https://www.globalknowledge.com/en-GB/Products/Red_Hat/LS120)

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

[info@globalknowledge.co.uk](mailto:info@globalknowledge.co.uk)

[www.globalknowledge.com/en-gb/](http://www.globalknowledge.com/en-gb/)

Global Knowledge, Mulberry Business Park, Fishponds Road, Wokingham Berkshire RG41 2GY UK