RH342- Red Hat Enterprise Linux Diagnostics and Troubleshooting
Duration: 40 Hours (5 Days)

Course Overview

The Red Hat Enterprise Linux Diagnostics and Troubleshooting course is an in-depth training program that equips learners with the skills necessary to diagnose problems and troubleshoot a variety of issues on Red Hat Enterprise Linux systems. Through this comprehensive course, participants will learn a systematic troubleshooting approach and how to prevent small issues from escalating. They will gain hands-on experience in addressing Boot problems, identifying Hardware issues, resolving storage and RPM problems, troubleshooting network and Application issues, dealing with Security concerns, and troubleshooting Kernel-related problems. By the end of the course, learners will be prepared for the Red Hat EX342 exam, a key part of earning the coveted Linux RedHat certification. This course is invaluable for IT professionals seeking to enhance their problem-solving skills and knowledge in a Red Hat environment, ensuring they can maintain reliability and optimal performance in their organizations' IT infrastructure.

Audience Profile

The Red Hat Enterprise Linux Diagnostics and Troubleshooting course equips IT professionals with the skills needed to maintain systems and effectively resolve issues.

- System Administrators
- Technical Support Engineers
- IT Operations Staff
- System Engineers
- DevOps Engineers
- Network Administrators
- Infrastructure Architects
- Security Professionals
- Application Administrators
- Experienced Linux Users
- Red Hat Certified Engineers (RHCEs) seeking to validate their troubleshooting skills
- Professionals preparing for the Red Hat Certified Specialist in Linux Diagnostics and Troubleshooting exam (EX342)

Course Syllabus

Introduction to Troubleshooting

- Describe a Generalized Strategy for Troubleshooting

Take Proactive Steps to Prevent Small Issues

- Employ proactive system administration techniques to prevent minor issues from escalating into major problems.

Troubleshoot Boot Issues

- Identify and resolve problems that may prevent a system from booting properly.

Identify Hardware Issues

- Detect and troubleshoot hardware-related problems that can impact system functionality.

Troubleshoot Storage Issues

- Diagnose and resolve issues related to system storage.

Troubleshoot RPM Issues

- Identify and fix problems within the package management subsystem using RPM.

Troubleshoot Network Issues

- Diagnose and resolve network connectivity problems.

Troubleshoot Application Issues

- Debug and resolve issues related to application functionality.

Deal with Security Issues

- Identify and address problems within the security subsystems to enhance system integrity.

Troubleshoot Kernel Issues

- Identify kernel-related problems and collaborate with Red Hat Support to resolve them effectively.

Red Hat Enterprise Linux Diagnostics and Troubleshooting Comprehensive Review

- Practice and demonstrate the knowledge and skills acquired throughout the course by engaging in comprehensive review exercises.