



## **RH 342 Red Hat Enterprise Linux Diagnostics and Troubleshooting**

**5 days of training**

### **DESCRIPTION:**

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.

### **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

### **COURSE OBJECTIVES:**

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

### **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.