

## Red Hat Linux Diagnostics and Troubleshooting

**Duration: 4 Days**    **Course Code: RH342**

### Overview:

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

#### Company Events

These events can be delivered exclusively for your company at our locations or yours, specifically for your delegates and your needs. The Company Events can be tailored or standard course deliveries.

### Target Audience:

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

### 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

Red Hat Certificate of Expertise in Red Hat Enterprise Linux Diagnostics and Troubleshooting

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.

## 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                                            | 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. |
| Identify hardware problems that can affect a system's ability to operate.                                  | Debug application issues.                                                  |                                                                                                                                                                                                        |

## Further Information:

For More information, or to book your course, please call us on Head Office Tel.: +974 40316639

[training@globalknowledge.qa](mailto:training@globalknowledge.qa)

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

Global Knowledge, Qatar Financial Center, Burj Doha, Level 21, P.O.Box 27110, West Bay, Doha, Qatar