4 Days | Red Hat Linux Troubleshooting

This course relates to Red Hat Enterprise Linux 6. It is a heavily lab-oriented class designed to help the applicant learn or improve troubleshooting skills. Applicants will gain troubleshooting experience by debugging live, virtualized systems.

Course Details

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Course Outline

Being Proactive, Part 1 Proactively monitor log files, hardware, file systems, and system and network performance Being Proactive, Part 2 Several approaches to managing configuration changes and developing a recovery plan Basic Troubleshooting Techniques and Procedures An introduction to troubleshooting methods, best practices, and tools Booting Issues Use recovery runlevels and rescue mode; work with advanced GRUB features Hardware Issues Preempting hardware failures (looking for the signs); protecting against hardware failures; redundant configurations; tools to help identify hardware failures and intermittent problems File System Issues Locate unauthorized changes; audit software; file system tuning and repair; file recovery Disk Issues Rescuing LVM volumes; maintenance of LUKS-encrypted volumes Networking Issues Manual configuration of network cards; connectivity issues; network diagnostic tools; monitor packets; tune kernel parameters; troubleshoot SAN communication Application Issues An overview of tools and techniques for troubleshooting applications; some common application problems and how to solve them Security Issues Working effectively with (and not against) security tools, including SELinux, authentication, and firewall Red Hat Resources Support options; Knowledgebase; certified training; initiating support calls; TAM support; developer support; Bugzilla; support workflow; diagnostic and information-gathering tools

Who Should Attend

Experienced Linux system administrators who have responsibilities that include troubleshooting their enterprise Linux environment.

Pre Requisite

Red Hat System Administration I and II or Red Hat Certified System Administrator (RHCSA) Rapid Track Course RHCSA certification holder or equivalent experience Have system administration knowledge under Red Hat Enterprise Linux, including: Installation Service management (using service and chkconfig, for example) Basic system monitoring (using ps and top, and perhaps meminfo and the /proc file system) File system management (using fdisk and mkfs) Basic troubleshooting (including managing log files and perhaps the use of hardware probing tools, such as ethtool and lspci)

Exams

Red Hat Linux Troubleshooting []

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