Red Hat Linux Troubleshooting

Duración: 4 Días **Código del Curso: RH242** **Método de Impartición: Curso Cerrado (In-Company)**

Temario:

Troubleshooting is both an art and a science. An instinct and a technique. In Red Hat® Linux® Troubleshooting (RH242), system administrators will learn techniques for troubleshooting a Linux system and how to use the troubleshooting tools available on Red Hat Enterprise Linux. This course is a 4-day, heavily lab-oriented class designed to help the student learn or improve troubleshooting skills. Students will gain troubleshooting experience by debugging live, virtualized systems.

Dirigido a:

Linux system administrators who understand how to install and configure a Red Hat Enterprise Linux system and who wish to deepen their understanding of troubleshooting on Linux.

Objetivos:

- Introduction to troubleshooting techniques, including being prepared
- Troubleshooting hardware, including listing, testing, and analyzing devices
- Troubleshooting applications, including diagnosing performance problems and investigating application and OS interactions
- Troubleshooting disks and file systems, including LVM, LUKS, ext3/4, and unauthorized changes
- Troubleshooting the network, including configuring, testing, and diagnosing problems with basic and advanced configurations
- Security, including working effectively with (and not against) security tools like SELinux, authentication, and firewall
- Making the most of Red Hat support resources

Prerequisitos:

- Red Hat System Administration I and II or 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)

Contenido:

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.

Más información:

Para más información o para reservar tu plaza llámanos al (34) 91 425 06 60

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