



Red Hat Fast Track Certification

Varighet: 5 Days **Kurskode: RH300**

Beskrivelse:

The Red Hat Certified Engineer course is designed for UNIX- and Linux-experienced users, networking specialists, and system administrators. This 4-day course provides intensive hands-on training on Red Hat Enterprise Linux, and includes the RHCE Certification Lab Exam (RH-302) on day 5.

Målgruppe:

UNIX or Linux system administrators who have significant real-world experience with UNIX or Linux systems administration and some experience setting up key networking services such as HTTP, DNS, NIS, DHCP, and who want a fast-track course to prepare for the RHCE Exam.

Agenda:

- A Red Hat Linux system administrator who has been trained then tested by means of the RHCE Exam, a realistic performance-based lab exam that tests his/her actual ability to: install and configure Red Hat Linux;
 - understand limitations of hardware; configure basic networking and file systems; configure the X Window System; configure basic security, set up common network (IP) services, carry out basic diagnostics and troubleshooting, and perform essential Red Hat Linux system administration.
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Forkunnskaper:

- Basic hardware knowledge
- Basic UNIX/Linux knowledge
- UNIX Filesystem Hierarchy and Structure
- Basic file operations and manipulation
- Printing
- UNIX/Linux Shell
- Basic Security
- UNIX System Administration
- Basic TCP/IP Networking
- Familiarity with Standard Networking Services
- Basic Network Security

Test og sertifisering

Red Hat Certified Engineer Exam (RH-302)
(if participant also has significant on the job experience with Red Hat Linux).

Innhold:

Unit 1: Hardware and Installation (x86 Architecture)

- Hardware Compatibility
- CPU and SMP Support
- New Hardware Detection
- Plug and Play
- Serial and Parallel Ports
- Block and Other Devices
- Disk Addressing and Partitioning
- Peripheral Devices and their Configuration
- The Boot Process
- The Red Hat Installer
- Performing and Validating the Installation

Unit 2: Configuration and Administration

- Reconfiguring Installed Options
- Networking, Sound and User Authorization configuration
- File Systems and /etc/fstab
- RPM Package Manager
- Printing li>Virtual Consoles
- Administering User Accounts and Groups
- cron and anacron
- locate and tmpwatch
- System Logging
- GUI Administration Tools
- The Update Agent
- Documentation and Help Sources

Unit 3: Alternate Installation Methods

- Laptops and Multiboot Systems
- Serial Console Installation
- The LILO Boot Prompt
- Configuring a Red Hat Linux Network Installation Server
- Using kickstart to Automate Installation

Unit 4: Kernel Services and Configuration

- The /proc filesystem
- /proc/sys configuration with sysctl
- The Linux Quota System
- Understanding /etc/inittab
- Managing System V Initialization Scripts
- Software RAID Configuration
- Configuring, Compiling and Installing the Linux Kernel
- The LILO Map Installer

Unit 5: Standard Networking Services

- TCP/IP Fundamentals
- BIND
- Email Delivery and Protocols
- FTP
- HTTP/Apache
- NFS Server
- Samba
- DHCP
- Squid Proxy Server
- Other Red Hat Linux Network Services

Unit 6: X Window System

- The X Server
- X Clients/Window Managers
- The X Font Server
- Display Managers
- XFree86 Startup
- The Gnome and KDE Environments
- Remote Display of X Applications
- X Security

Unit 7: User and Host Security

- Security Concepts
- Pluggable Authentication Modules (PAM)
- Network Information Service
- Lightweight Directory Access Protocol (LDAP)
- The xinetd Super-Server and tcp_wrappers
- Ssh: secure shell, telnet and remote copy

Unit 8: Routers, Firewalls, Clusters and Troubleshooting

- Static and Dynamic Routes
- Linux as a Router and Firewall
- ipchains and Firewall Rules
- IP Masquerading
- Troubleshooting
- Rescue Environment Utilities

Ytterligere informasjon:

For mer informasjon eller kursbooking, vennligst ring oss 22 95 66 00

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