

Red Hat System Administration II (RH134)

Length: 5 Days

Prerequisites: Red Hat System Administration I (RH124)

Summary: This course goes deeper into enterprise Linux administration including file systems and partitioning, logical volumes, SELinux, firewalling, and troubleshooting. Attending both Red Hat System Administration I and Red Hat System Administration II can help you in your preparation for the Red Hat Certified System Administrator exam (EX200).

Course content summary

- Installation using Kickstart
- Manage filesystems and logical volumes
- Manage scheduled jobs
- Access network filesystems
- Manage SELinux
- Control firewalling
- Troubleshooting

COURSE CONTENT

AUTOMATE INSTALLATION WITH KICKSTART

- Automate the installation of Red Hat Enterprise Linux systems with Kickstart.

USE REGULAR EXPRESSIONS WITH GREP

- Write regular expressions that, when partnered with grep, will allow you to quickly isolate or locate content within text files.

CREATE AND EDIT TEXT FILES WITH VIM

- Introduce the vim text editor, with which you can open, edit, and save text files.

SCHEDULE FUTURE LINUX TASKS

- Schedule tasks to automatically execute in the future.

MANAGE PRIORITY OF LINUX PROCESSES

- Influence the relative priorities at which Linux processes run.

CONTROL ACCESS TO FILES WITH ACCESS CONTROL LISTS (ACL)

- Manage file security using POSIX access control lists

MANAGE SELINUX SECURITY

- Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise.

CONNECT TO NETWORK-DEFINED USERS AND GROUPS

- Configure systems to use central identity management services

ADD DISKS, PARTITIONS, AND FILE SYSTEMS TO A LINUX SYSTEM

- Manage simple partitions and file systems.

MANAGE LOGICAL VOLUME MANAGEMENT (LVM) STORAGE

- Manage logical volumes from the command line.

**ACCESS NETWORKED ATTACHED STORAGE
WITH NETWORK FILE SYSTEM (NFS)**

- Access (secure) NFS shares.

ACCESS NETWORKED STORAGE WITH SMB

- Use autofs and the command line to mount and unmount SMB file systems

**CONTROL AND TROUBLESHOOT THE RED HAT
ENTERPRISE LINUX BOOT PROCESS**

**LIMIT NETWORK COMMUNICATION WITH
FIREWALL**

- Configure a basic firewall

COMPREHENSIVE REVIEW

- Practice and demonstrate knowledge and skills learned in this course.

