RH134: Red Hat System Administration II

Duration: 4 days

Course Outline

Unit 1: Automated Installations of Red Hat Enterprise Linux

Objectives: Create and manage kickstart configuration files; perform installations using kickstart

Unit 2: Accessing the Command Line

Objectives: Access the command line locally and remotely; gain administrative privileges from the command line

Unit 3: Intermediate Command Line Tools

Objectives: Use hardlinks, archives and compression, and vim

Unit 4: Regular Expressions, Pipelines, and I/O Redirection

Objectives: Use regular expressions to search patterns in files and output; redirect and pipe output

Unit 5: Network Configuration and Troubleshooting

Objectives: Configure network settings; troubleshoot network issues

Unit 6: Managing Simple Partitions and Filesystems

Objectives: Create and format simple partitions, swap partitions, and encrypted partitions

Unit 7: Managing Flexible Storage with the Logical Volume Manager (LVM)

Objectives: Implement LVM and LVM snapshots

Unit 8: Access Network File Sharing Services; NFS and CIFS

Objectives: Implement NFS, CIFS, and autofs

Unit 9: Managing User Accounts

Objectives: Manage user accounts including password aging

Unit 10: Network User Accounts with LDAP

Objectives: Connect to a central LDAP directory service

Unit 11: Controlling Access to Files

Objectives: Manage group memberships, file permissions, and access control lists (ACL)

Unit 12: Managing SELinux

Objectives: Activate and deactivate SELinux; set file contexts; manage SELinux booleans; analyze SELinux logs

Unit 13: Installing and Managing Software

Objectives: Manage software and query information with yum; configure client-side yum repository files

Unit 14: Managing Installed Services

Objectives: Managing services; verify connectivity to a service

Unit 15: Analyzing and Storing Logs

Objectives: Managing logs with rsyslog and logrotate

Unit 16: Managing Processes

Objectives: Identify and terminate processes, change the priority of a process, and use cron and at to schedule processes

Unit 17: Tuning and Maintaining the Kernel

Objectives: List, load, and remove modules; use kernel arguments

Unit 18: System Recovery Techniques

Objectives: Understand the boot process and resolve boot problems

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