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RH124: Red Hat System Administration I

Duration: 5 days

Course outline — RH124

Core skills for the new Linux system administrator

Get started with the GNOME graphical desktop

Objective: Get started with GNOME and edit text files with gedit.

Manage files graphically with Nautilus

Objective: Manage files graphically and access remote systems with Nautilus.

Get help in a graphical environment

Objective: Access documentation, both locally and online.

Configure local services

Objective: Configure the date and time, and configure a printer.

Manage physical storage I

Objective: Understand basic disk concepts and manage system disks.

Manage logical volumes

Objective: Understand logical volume concepts and manage logical volumes.

Monitor system resources

Objective: Manage CPU, memory, and disk utilization.

Manage system software

Objective: Manage system software locally and using Red Hat® Network (RHN).

Get started with bash

Objective: Understand basic shell concepts, execute simple commands, and use basic job control techniques.

Get help in a textual environment

Objective: Use man and info pages and find documentation in /usr/share/doc.

Establish network connectivity

Objective: Understand basic network concepts; configure, manage, and test network settings.

Administer users and groups

Objective: Manage users and groups.

Manage files from the command line

Objective: Understand Linux® file system hierarchy and pathnames; manage files from the command line.

Secure Linux file access

Objective: Understand Linux file access mechanisms; manage file access from the GUI and the command line.

Administer remote systems

Objective: Share and connect to a desktop; use SSH and rsync.

Configure general services

Objective: Manage services; configure SSH and remote desktops.

Manage physical storage II

Objective: Manage file system attributes and swap space.

Install Linux graphically

Objective: Install Red Hat Enterprise Linux and configure the system with firstboot.

Manage virtual machines

Objective: Understand basic virtualization concepts; install and manage virtual machines.

Control the boot process

Objective: Understand runlevels and manage GRUB.

Deploy file-sharing services

Objective: Deploy an FTP server and a web server.

Secure network services

Objective: Manage a firewall; understand SELinux concepts and manage SELinux.

Comprehensive review

Objective: Get a hands-on review of the concepts covered in this course.



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