

LINUX RHEL

PROFESSIONAL INDUSTRY TRAINING SYLLABUS

Master networking fundamentals and build the skills needed to design, implement, and troubleshoot enterprise networks.



PROJECTS

REAL-WORLD
PROJECTS
TO BUILD PORTFOLIC
AND PRACTICAL
SKILLS.



HANDS-ON LABS

PRACTICAL LABS
WITH
STEP-BY-STEP
GUIDED EXERCISES.



INDUSTRY CERTIFICATIONS

PREPARE FOR
GLOBALLY
RECOGNIZED
CERTIFICATIONS TO
BUILD PORTFOLIC
AND PRACTICAL
SKILLS.



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TO ACCELERATE YOUR
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RED HAT LINUX

RH124 – RED HAT SYSTEM ADMINISTRATION – I

GET STARTED WITH RED HAT ENTERPRISE LINUX

- Describe and define open source, Linux distributions, and Red Hat Enterprise Linux.

ACCESS THE COMMAND LINE

- Log into a Linux system and run simple commands using the shell.

MANAGE FILES FROM THE COMMAND LINE

- Copy, move, create, delete, and organize files while working from the bash shell.

GET HELP IN RED HAT ENTERPRISE LINUX

- Resolve problems by using local help systems.

CREATE, VIEW, AND EDIT TEXT FILES

- Manage text files from command output or in a text editor.

MANAGE LOCAL USERS AND GROUPS

- Create, manage, and delete local users and groups, as well as administer local password policies.

CONTROL ACCESS TO FILES

- Set Linux file system permissions on files and interpret the security effects of different permission settings.

MONITOR AND MANAGE LINUX PROCESSES

- Evaluate and control processes running on a Red Hat Enterprise Linux system.

CONTROL SERVICES AND DAEMONS

- Control and monitor network services and system daemons using systemd.

CONFIGURE AND SECURE SSH

- Configure secure command line service on remote systems using OpenSSH.

ANALYZE AND STORE LOGS

- Locate and accurately interpret logs of system events for troubleshooting purposes.

MANAGE NETWORKING

- Configure network interfaces and settings on Red Hat Enterprise Linux server

ARCHIVE AND TRANSFER FILES

- Archive and copy files from one system to another.

INSTALL AND UPDATE SOFTWARE

- Download, Install, Update and manage software package from Red Hat and yum package repositories.

ACCESS LINUX FILE SYSTEMS

- Access, inspect and use existing file system on storage attached to a linux server.

ANALYZE SERVER AND GET SUPPORT

- Investigate and resolve in the web-based management interface, getting support Red Hat to help solve problems.

COMPREHENSIVE REVIEW

- Review the content covered in this course by completing hands on exercises.

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RH134 – RED HAT SYSTEM ADMINISTRATION – II

IMPROVE COMMAND LINE PRODUCTIVITY

- Run commands more efficiently by using advanced features of the bash shell, shell scripts, and various utilities provided by Red Hat Enterprise Linux.

SCHEDULE FUTURE TASKS

- Schedule commands to run in the future, either one-time or on a repeating schedule.

TUNE SYSTEM PERFORMANCE

- Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

CONTROL ACCESS TO FILES WITH ACLS

- Interpret and set access control lists (ACLs) on files to handle situations requiring complex user and group access permissions.

MANAGE SELINUX SECURITY

- Protect and manage the security of a server by using SELinux.

MAINTAIN BASIC STORAGE

- Create and manage storage devices, partitions, file systems, and swap spaces from the command line.

MANAGE LOGICAL VOLUMES

- Create and manage logical volumes containing file systems and swap spaces from the command line.

IMPLEMENT ADVANCED STORAGE FEATURES

- Manage storage using the Stratis local storage management system and use VDO volumes to optimize storage space in use.

ACCESS NETWORK-ATTACHED STORAGE

- Use the NFS protocol to administer network-attached storage.

CONTROL THE BOOT PROCESS

- Manage the boot process to control services offered and troubleshoot and repair problems.

MANAGE NETWORK SECURITY

- Control network connections to services using the system firewall and SELinux rules.

INSTALL RED HAT ENTERPRISE LINUX

- Install Red Hat Enterprise Linux on servers and virtual machines.



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THANK YOU!

Thank you for being a part of
this **learning journey**.

Your dedication today
builds the expertise of
tomorrow.



*Keep Learning.
Keep Growing.*



KEEP LEARNING

Stay curious and
keep exploring
new possibilities.



STAY FOCUSED

Consistency today
creates excellence
tomorrow.



KEEP GROWING

Every step forward
brings you closer to
your goals.



ACHIEVE MORE

Your hard work
today shapes your
future success.



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