RH134 Red Hat System Administration II Training

Duration: **5 Day**

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IT Academy
info@bilginc.com
bilginc.com

This {*training} is the second course in the RHCSA training path and is designed for IT professionals who have completed Red Hat System Administration I (RH124).

This course deepens Linux administration skills with a focus on:

- Advanced storage management (LVM)
- SELinux security configuration
- Boot process control and troubleshooting
- Shell scripting and automation
- Container management
- Image-based RHEL deployment

It is based on **Red Hat Enterprise Linux 10.0**.

Prerequisites

- Completion of Red Hat System Administration I (RH124) is recommended
- Experienced administrators may consider RHCSA Rapid Track (RH199)

Who Should Attend

- System administrators who completed RH124
- Platform engineers
- DevOps professionals
- IT professionals advancing in Linux administration

What You Will Learn

By the end of this {*training}, you will have gained knowledge and skills in the following areas:

- Install RHEL using scalable deployment methods
- Write and execute shell scripts for automation
- Manage advanced storage using LVM

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- Secure systems using SELinux
- Control and troubleshoot the boot process
- Configure firewall and network security
- Manage containers with Podman
- Deploy and update image-based RHEL systems

Business Impact

This course enables organizations to:

- Improve Linux infrastructure reliability
- Optimize storage utilization
- Strengthen system security
- Reduce downtime through faster troubleshooting
- Adopt container-based modern infrastructure

Student Impact

Participants will gain advanced Linux administration skills including:

- LVM storage management
- SELinux policy configuration
- Boot troubleshooting
- Shell scripting automation
- Container and image-based system management

Training Outline

Shell Scripting and Command Line

- Writing basic shell scripts

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- Command-line productivity techniques
- Using regular expressions

Task Scheduling

- Scheduling user tasks with at and cron
- Scheduling recurring system tasks

Log Analysis

- Interpreting system logs
- Troubleshooting using log data

SELinux Security Management

- Managing SELinux policies
- Securing service access

Archiving and File Transfer

- Creating compressed archives
- Secure file transfer between systems

System Performance Tuning

- Applying tuning profiles
- Adjusting process priorities

Storage Management

- Creating partitions
- Managing file systems
- Configuring swap space

Logical Volume Manager (LVM)

- Creating logical volumes
- Extending and managing volumes

Boot Process and Troubleshooting

- Managing system boot
- Rescue mode

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- Recovering superuser access

Network Security

- Configuring the system firewall
- Controlling ports with SELinux

Network File System (NFS)

- Accessing network-attached storage
- Using automounter

Installing RHEL

- Interactive installation
- Automated installation with Kickstart

Container Management

- Managing containers with Podman
- Handling container images

Image-Based RHEL

- Deploying image-mode systems
- Updating and managing image-based servers