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Course Name

RedHat Linux Essentials

Sector Name

Information Technology

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RedHat Linux Essentials

Course Introduction

This training course is designed to provide participants with the essential concepts and skills for IT professionals seeking to enhance their knowledge and become Linux system administrators.

This course will allow the participants to conduct essential Linux administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.

Basic administration and configuration functions will be covered, laying the foundation for rapid deployment of Red Hat Enterprise Linux.

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Target Audience

- ✓ Cloud Computing Engineer
- ✓ Computer Network Specialist
- ✓ Computer Support Specialist
- ✓ Database Administrator
- ✓ Information Technology Analyst
- ✓ Information Technology Leadership
- ✓ Information Security Specialist
- ✓ Software/Application Developer
- ✓ Web Developer
- ✓ Technology sales consultant

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Learning Objectives

- ✓ Access and manage files from the command line
- ✓ Create, view, and edit text files
- ✓ Manage local Linux users and groups
- ✓ Monitor and manage Linux processes
- ✓ Control services and daemons
- ✓ Control access to files with Linux file-system permissions
- ✓ Analyze and store log files
- ✓ Configure and secure the OpenSSH service
- ✓ Install and update software packages
- ✓ Access Linux file systems
- ✓ Manage Linux networking

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Course Outline

✓ Day 01

Access the command line

- ✓ Log in to a Linux system and run simple commands using the shell
- ✓ Manage files from the command line
- ✓ Copy, move, create, delete, and organize files from the bash shell prompt
- ✓ Getting help in Red Hat Enterprise Linux
- ✓ Resolve problems by using online help systems and Red Hat support utilities
- ✓ Create, view, and edit text files
- ✓ Create, view, and edit text files from command output or in an editor
- ✓ Manage local Linux users and groups
- ✓ Manage local Linux users and groups, and administer local password policies

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Course Outline

✓ Day 02

Control access to files with Linux file system permissions

- ✓ Set Linux file system permissions on files and interpret the security effects of different permission settings
- ✓ Monitor and manage Linux processes
- ✓ Obtain information about the system and the control processes running on it
- ✓ Control services and daemons

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Course Outline

✓ Day 03

Configure basic IPv4 networking on Red Hat Enterprise Linux systems

- ✓ Archive and copy files between systems
- ✓ Archive files and copy them from one system to another
- ✓ Install and update software packages

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Course Outline

✓ Day 04

Control and monitor network services and system daemons using systemd

- ✓ Configure and secure the OpenSSH service
- ✓ Access and provide access to the command line on remote systems securely using OpenSSH
- ✓ Analyze and store logs
- ✓ Locate and accurately interpret relevant system log files for troubleshooting purposes
- ✓ Manage Red Hat Enterprise Linux networking

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Course Outline

✓ Day 05

Download, install, update, and manage software packages from Red Hat and yum package repositories

- ✓ Access Linux file systems
- ✓ Access and inspect existing file systems on a Red Hat Enterprise Linux system.
- ✓ Use virtualized systems
- ✓ Create and use Red Hat Enterprise Linux virtual machines with KVM and libvirt

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Confirmed Sessions

FROM	TO	DURATION	FEES	LOCATION
Sept. 7, 2026	Sept. 11, 2026	5 days	4950.00 \$	Spain , Barcelona
June 28, 2027	July 2, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
March 15, 2027	March 19, 2027	5 days	4250.00 \$	UAE , Abu Dhabi
Oct. 26, 2026	Oct. 30, 2026	5 days	4250.00 \$	UAE , Dubai

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