RED HAT CERTIFIED ENGINEER (RHCE)

Zetlan Technologies

Online Course

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COURSE MODULES

1: Basic System Configuration

- Introduction to Redhat Linux OS
- Installation of Red Hat Enterprise Linux 7
- Access the Command Line
- Linux Directory Structure
- Manage files from the Command Line
- Getting Help in Red Hat Enterprise Linux
- Creating, Viewing and Editing Text Files
- File & Directory links (Soft Links and Hard Links)
- Compressing files & directories (tar and zip)
- Using Regular Expressions with "grep"
- Creating and Editing Text files with "vim"
- Control services and daemons
- Monitor and manage Linux processes

2: Support and Management

- Manage local Linux users and groups
- Control access to files with Linux file system permissions
- Scheduling Future Linux Tasks
- Networking Configuring
- Managing Red Hat Enterprise Linux IPv4 Networking
- Limiting Network Communication with Firewall
- Managing IPV6 Networking
- Configuring the Shell Environment
- Config & Manage Advanced Ntwkg usg Network Manager

Lesson 3: Package Management
- Redhat Package Manager (RPM)
- Install & config Local Yellodog Updater, Modified (YUM)
- Installing and Updating Software Packages

Lesson 4: Storage Management
- Adding Disks, Partitions, and File Systems to a Linux System
- Managing Logical Volume Management (LVM) Storage
- Accessing Network Attached Storage with NFS
- Quota Management
- Configuring and Managing iSCSI SAN Storage
- Raid
- Providing Remote Block Storage
- Analyze and store logs

Lesson 5: Network Management
- Configuring and Managing Firewall
- FTP
- Telnet
- Configuring and Managing NFS
- Samba for File Sharing
- Accessing Network Storage with SMB
- Samba Multi-user Access
- Installing and configuring SSH Server & Client
- Configuring and Securing Open-ssh Service

Lesson 6: Advance Network Services

- Managing DNS for Servers
- Configuring and Managing Unbound DNS
- Configuring and Managing Apache Web Service
- Providing Apache HTTPS Web Service
- DHCP
- Configuring Email Transmission
- Managing and Configuring Postfix for Relay SMTP
- Configure a system to forward all email to a central mail server
- Squid
- NIS
- LDAP
- Connecting to Network-Defined Users and Groups
- Backup and restore
- Automating Installation with Kickstart
- Managing SELinux Security

Lesson 7: Database Management

- Installing and Configuring MariaDB Databases
- Managing MariaDB
- Backup and restore a database
- Installing and Configuring MySQL Database
- Managing MySQL Database

Lesson 8: Troubleshooting Redhat Linux

- Controlling and Troubleshooting the RHEL Boot Process
- Recovering forgotten root password
- Recovering forgotten root password method-2
- Viewing and Managing Log Files
- Working with Grub 2
- Configuring GRUB 2
- Reinstalling GRUB 2
- Terminal Menu Editing During Boot
- Relax and Recovery (REAR)

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The efficiency of online learning
in terms of time management,
flexibility, and the ability
to access resources anytime,
anywhere can be compelling.

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