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Red Hat Certified Engineer

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Embedded Technosolutions is a Professional & Corporate Training Institute & a Company which Working for Indian MNCs & Medium/Small Scale Industries in Product R&D, Development, Manufacturing & Customization.

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Red Hat Certified Engineer

Module 1 : Introduction to Red Hat Enterprise Linux 7

- Introduction to shell and bash shell
- 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

Module 2 : Accessing Help utilities in Red Hat Enterprise Linux 7

- Get help in Red Hat Enterprise Linux
- Resolve problems by using online help systems and Red Hat support utilities



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Module 3 : Create View and edit text files with cat and editors like vim

- Create, view, and edit text files
- Create, view, and edit text files from command output or in an editor

Module 4 : Linux User Management

- Manage local Linux users and groups, and administer local password policies

Module 5 : Control access to files with Linux file system permissions

- interpret file permission using numerical and character method
- 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

Module 6 : Linux Process Management

- Monitor and manage Linux processes
- Obtain information about the system, and control processes running on it

Module 7 : Control and Manage daemon Services

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



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Module 8 : Manage and Control Secure Shell daemon

- Configure and secure OpenSSH service
- Access and provide access to the command line on remote systems securely using OpenSSH

Module 9 : Analyze and store logs

- Locate and accurately interpret relevant system log files for troubleshooting purposes.

Module 10 : Linux Networking

- Manage Red Hat Enterprise Linux networking
- Configure basic IPv4 networking on Red Hat Enterprise Linux systems

Module 11 : File Compression and packaging

- Archive and copy files between systems
- Archive files and copy them from one system to another

Module 12 : Package Management

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



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Module 13 : Linux File System

- Access Linux file systems
- Access and inspect existing file systems on a Red Hat Enterprise Linux system.

Module 14 : Creating and using Virtual Machines

- Create and use Red Hat Enterprise Linux virtual machines with KVM and libvirt.

Module 15 : Comprehensive review

- Practice and demonstrate the knowledge and skills learned in this course

Red Hat System Administration-II Exam-RH134

Module 1 : Automate The Installation

- Automate the installation of Red Hat Enterprise Linux systems with Kickstart.
- Configure the System to use

Module 2 : Use Regular Expression with grep

- Write regular expressions that, when partnered with grep,
- will allow you to quickly isolate or locate content within text files.
- Create and Edit text files with vim



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- Introduce the vim text editor, with which you can open, edit, and save text files.

Module 3 : Job Scheduling for future tasks

- Schedule future Linux tasks
- Schedule tasks to automatically execute in the future.

Module 4 : Linux process Management for priorities

- Manage priority of Linux processes
- Influence the relative priorities at which Linux processes run.

Module 5 : Manage Access Control List

- Control access to files with access control lists (ACL)
- Manage file security using POSIX access control lists.

Module 6 : Manage Security Enhanced Linux Security

- Manage SELinux security
- Manage the Security Enhanced Linux (SELinux) behavior of a system to keep it secure in case of a network service compromise.

Module 7 : Manage Network Linux Users and Groups

- Connect to network-defined users and groups
- Configure systems to use central identity management services.



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Module 8 : Manage Local Storage with hard disk partition and LVM

- Add disks, partitions, and file systems to a Linux system
- Manage simple partitions and file systems.
- Manage logical volume management (LVM) storage
- Manage logical volumes from the command line.

Module 9 : Manage Network File System (NFS)

- Access networked attached storage with network file system (NFS)
- Access (secure) NFS shares.

Module 10 : Manage Network Storage with SAMBA

- Access networked storage with SMB
- Use autofs and the command line to mount and unmount SMB file systems.

Module 11 : Manage Local Linux Boot Process

- Control and troubleshoot the Red Hat Enterprise Linux boot process

Module 12 : Manage Local Linux Security with Firewall

- Limit network communication with firewall
- Configure a basic firewall



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Module 13 : Comprehensive Review

- Practice and demonstrate knowledge and skills learned in this course.

Red Hat System Administration-III-RHCE Exam-RH254

Module 1 : Control Daemon and Services

- Control services and daemons
- Review how to manage services and the boot-up process using systemctl

Module 2 : Manage IPV4 Linux Network Port Security

- Manage IPv4 networking
- Configure and troubleshoot basic IPv4 networking on Red Hat Enterprise Linux systems
- Configure link aggregation and bridging
- Configure and troubleshoot advanced network interface functionalities
- Control network port security

Module 3 : Firewall Filtering

- Permit and reject access to network services using advanced SELinux and firewalld filtering techniques



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Module 4 : Manage Domain Name Service (DNS)

- Manage DNS for servers
- Set and verify correct DNS records for systems and configure secure DNS caching

Module 5 : Manage Email Services

- Configure email delivery
- Relay all email sent by the system to an SMTP gateway for central delivery

Module 6 : Manage Block-Based Storage (iSCSI) like SAN

- Provide block-based storage
- Provide and use networked iSCSI block devices as remote disks
- Provide file-based storage

Module 7 : Manage NFS and SAMBA in the Network

- Provide NFS exports and SMB file shares to specific systems and users

Module 8 : Manage Database Server

- Configure MariaDB databases
- Provide a MariaDB SQL database for use by programs and database administrators

Module 9 : Manage Web Hosting Services

- Provide Apache HTTPD web service



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Module 10 : Programming Using Bash Shell

- Write Bash scripts
- Write simple shell scripts using Bash
- Bash conditionals and control structures
- Use Bash conditionals and other control structures to write more sophisticated shell commands and scripts
- Configure the shell environment
- Customize Bash startup and use environment variables, Bash aliases, and Bash functions

Module 11 : Linux Container-Docker Server configuration and use

- Linux containers preview
- Preview the capabilities of Linux containers and other related technologies in RedHat Enterprise Linux7

Module 12 : Comprehensive Review

- Comprehensive review



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These entire JOB related notifications we exclusively provide to our students and they can apply in that companies directly. We upload the password protected job notifications on our website, students can access that job notifications from our website with password.