

RED HAT LINUX ADMINISTRATION – I, II Training Program



Introduction:

This course relates to Red Hat® Enterprise Linux 7. Linux administration involves a fair amount of interaction with system hardware, kernel and the network. This course provides a hands-on approach to these and other advanced administrative tasks that are unique to LINUX. After the completion of this course, Attendees would be able to apply their knowledge and skills within their corporate Heterogeneous environment. They would also be able to apply the skill sets in different Linux and other UNIX flavors.

This course would help you to get certified for **Red Hat Certified System Administrator (RHCSA) Exam (EX200)**, which includes the following core system administration tasks needed for Red Hat Enterprise Linux:

Red Hat System Administration I (RH124)

Red Hat System Administration I (RH124) is designed for IT professionals without previous Linux administration experience. The course focuses on providing students with Linux administration "survival skills" by focusing on core administration tasks.

Red Hat System Administration II (RH134)

This course is specifically designed for students who have completed Red Hat System Administration I (RH124). Red Hat System Administration II (RH134) focuses on the key tasks needed to become a full time Linux administrator.

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Program is offered by: 3D Educators – Trainers & Consultants

Program Details

Inauguration

The Training Program will be inaugurated by a senior member of 3DEducators

Program Structure

Number of classes in a week	One Class Per Week
Duration of each class	4-Hour
Total Duration	48 Hours

Other Learning Activities:

Classroom Assignments	6
Presentations by Trainees	1

About the Program Designer & Instructor

The “**RED HAT LINUX ADMINISTRATION**” Program is the international designed program and will be conducted by the Senior Consultants who have been the fifteen years experience in Linux Administration, although they have worked for public, private and National and Multinational Companies.

The Person are qualified and certified in Networking and MS, MBA, Red Hat Certified.

At present, faculty is working with the top most company in Pakistan and involve in the same field of projects in a senior position, also involved to provide training for last fifteen years.

Program Syllabus



❖ Red Hat System Administration I (RH124)

Course content summary

- ✓ Introduction to the command line
- ✓ Managing physical storage
- ✓ Install and configure software components and services
- ✓ Establishing network connections and firewall access
- ✓ Monitoring and managing processes
- ✓ Managing and securing files
- ✓ Administrating users and groups
- ✓ Accessing Linux file systems
- ✓ Installing and using virtualized systems
- ✓ Reviewing the system log files and journal

Course Outline

- ✓ Access the command line
- ✓ Manage files from the command line
- ✓ Get help in Red Hat Enterprise Linux
- ✓ Create, view, and edit text files
- ✓ Manage local Linux users and groups
- ✓ Control access to files with Linux file system permissions
- ✓ Monitor and manage Linux processes
- ✓ Control services and daemons
- ✓ Configure and secure "OpenSSH" service
- ✓ Analyze and store logs
- ✓ Manage Red Hat Enterprise Linux networking
- ✓ Archive and copy files between systems
- ✓ Install and update software packages
- ✓ Access Linux file systems
- ✓ Use virtualized systems

❖ Red Hat System Administration II (RH134)

Course content summary

- ✓ Installation using Kickstart
- ✓ Manage file systems and logical volumes
- ✓ Manage scheduled jobs
- ✓ Access network file systems
- ✓ Manage SELinux
- ✓ Control firewalling

- ✓ Troubleshooting
- ✓ Automate installation with Kickstart
- ✓ Use regular expressions with grep
- ✓ Create and Edit text files with vim
- ✓ Schedule future Linux tasks
- ✓ Manage priority of Linux processes
- ✓ Control access to files with access control lists (ACL)
- ✓ Manage SELinux security
- ✓ Connect to network-defined users and groups
- ✓ Add disks, partitions, and file systems to a Linux system
- ✓ Manage logical volume management (LVM) storage
- ✓ Access networked attached storage with network file system (NFS)
- ✓ Access networked storage with SMB
- ✓ Control and troubleshoot the Red Hat Enterprise Linux boot process
- ✓ Limit network communication with firewall

Skill Sets Gained After Taking This Course

After taking this course you would be able to perform the following tasks:

- ❖ Understand and use essential tools for handling files, directories, command-line environments, and documentation.
- ❖ Operate running systems, including booting into different run levels, identifying processes, starting and stopping virtual machines, and controlling services.
- ❖ Configure local storage using partitions and logical volumes.
- ❖ Create and configure file systems and file system attributes, such as permissions, encryption, access control lists, and network file systems.
- ❖ Deploy, configure, and maintain systems, including software installation, update, and core services.
- ❖ Manage users and groups, including use of a centralized directory for authentication.
- ❖ Manage security, including basic firewall and “SELinux” configuration.



ONLINE LIVE CLASSES FACILITY AVAILABLE

- Instructor Led Training
- Real Time Presentations
- Interactive Classes
- Complete Notes and Other Stuff shall be provided through our Secure Student Login Member's Area
- For Online Live Classes, you may please download the Admission Form through our website <http://www.3deducators.com>. Fill it properly and attached the required document along with Picture and send back to info@3deducators.com with scanned fee submitted voucher in the bank.
- For Pakistan you may submit the fee at any MCB Branch with the title of "3D EDUCATORS-TRAINERS & CONSULTANTS".
- If you are outside Pakistan then you may transfer via Bank to Bank or any western union, Fast Track, Money Gram or else International Transfer Body.
- After Admission, if you don't have GMAIL Account then you are requested to kindly make one GMAIL Account and shared it info@3deducators.com. Then further correspondence shall be made by our institute official.
- Extra Bandwidth Charges shall be incurred.
- If you are outside country or city then extra courier charges shall be incurred for Certificate.

PRECAUTIONARY MEASURES

- ✓ During Classes, you are requested to make sure that you are in isolated room, where no noise should be there except your voice.
- ✓ Kindly Switch Off your Cell Phone during the class, because it will disturb the quorum of class.
- ✓ If you have taken the admission in the course online, ethically it is recommended and suggested that you only avail this facility.

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- ✓ Recording of Lectures are not allowed at your end.

This world is emerging and growing in the 21st Century very rapidly because of latest and remarkable technologies and its advancement. Due to advancement of technology, we 3D EDUCATORS offer Live Interactive class sessions.

3D EDUCATORS believe on Information Technology and its systems. Now you can also avail this facility at your home.

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MANAGEMENT

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