

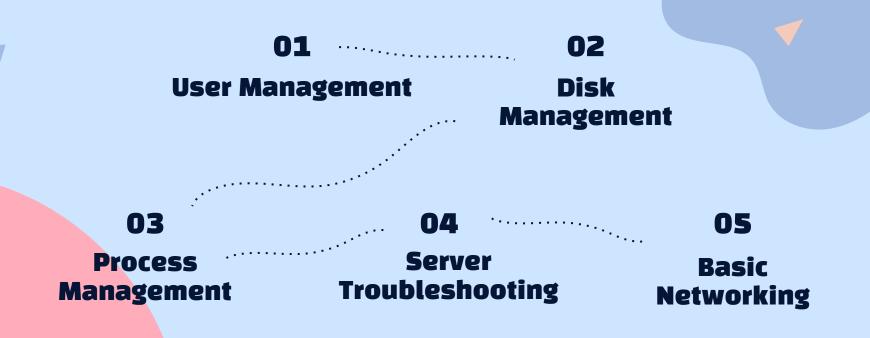
## Linux Administrator 101 (RHCSA)

### **About Me**

- Karthik S
- I have 3 Years of Industry Experience
- RHCSA Certified
- Handled more than 7000+ servers

## Linux Overview

User Management
Disk Management
Process Management



# WHY RHCSA (EX200)?

Introduction to Red hat Enterprise Linux 8

**Essential & Advanced Linux Commands** 

Installation of RHEL 8 in VMWare Workstation and AWS instance

**Performance Monitoring** 

Manage users and groups

- Create, delete, and modify local user accounts
- Change passwords and adjust password aging for local user accounts
- Create, delete, and modify local groups and group memberships
- Configure superuser access

- Understand and use essential tools
- Use grep and regular expressions to analyze text
- Access remote systems using SSH
- Archive, compress, unpack, and uncompress files using tar, star, gzip, and bzip2
- Create, delete, copy, and move files and directories
- Create hard and soft links
- List, set, and change standard ugo/rwx permissions

#### Operate running systems

- Boot, reboot, and shut down a system normally
- Boot systems into different targets manually
- Interrupt the boot process in order to gain access to a system
- Identify CPU/memory intensive processes and kill processes
- Manage tuning profiles
- Locate and interpret system log files and journals
- Preserve system journals
- Start, stop, and check the status of network services
- Securely transfer files between systems

#### Configure LVM

- Create and remove physical volumes
- Assign physical volumes to volume groups
- Create and delete logical volumes
- Configure systems to mount file systems at boot by universally unique ID (UUID)
  or label
- Add new partitions and logical volumes, and swap to a system non-destructively

Create and configure file systems

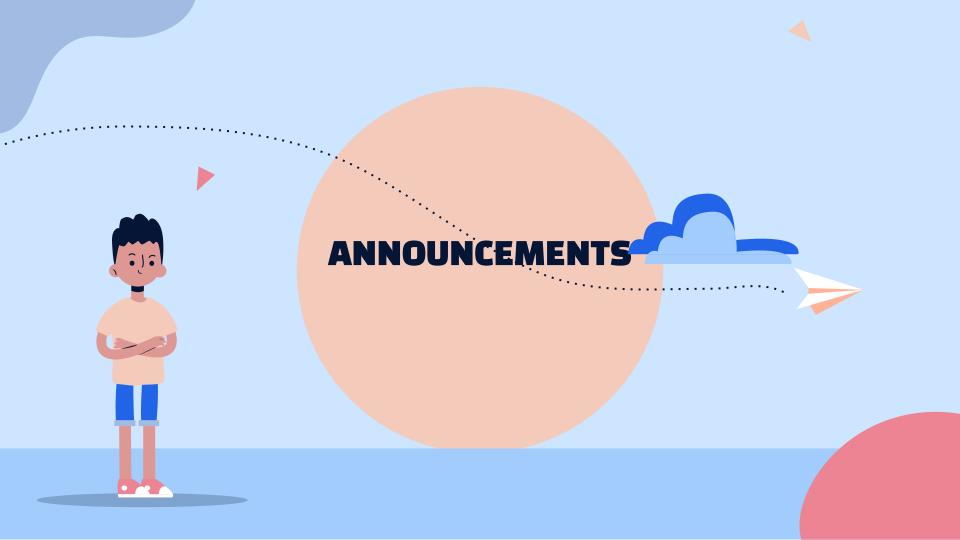
- Create, mount, unmount, and use vfat, ext4, and xfs file systems
- Extend existing logical volumes
- Create and configure set-GID directories for collaboration
- Diagnose and correct file permission problems
- LVM deletion

#### Manage security

- Configure key-based authentication for SSH
- Configure firewall settings using firewall-cmd/firewalld
- Manage default file permissions
- Set enforcing and permissive modes for SELinux
- List and identify SELinux file and process context

#### Manage basic networking

- Configure IPv4 and IPv6 addresses
- Configure hostname resolution
- Configure network services to start automatically at boot



Course: Linux Administration

(RHCSA)

Faculty: Karthik

Batch Starts on: Wednesday.

**Sep 21 at 4:00 PM IST** 

**Duration:** 20 Days ( Approx. )

**Each Session: 1 Hour** 

Course Fee: INR 3540 / USD 48

New members who is not part of any other Linux Admin group can join with below group link

**Linux Admin 101-3** 

ALL THE RESOURCES WILL BE SHARED VIA WHATSAPP GROUP

**Any Doubts or Query:** 

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