

# Linux Administration Master Program

## with Exam Preparation

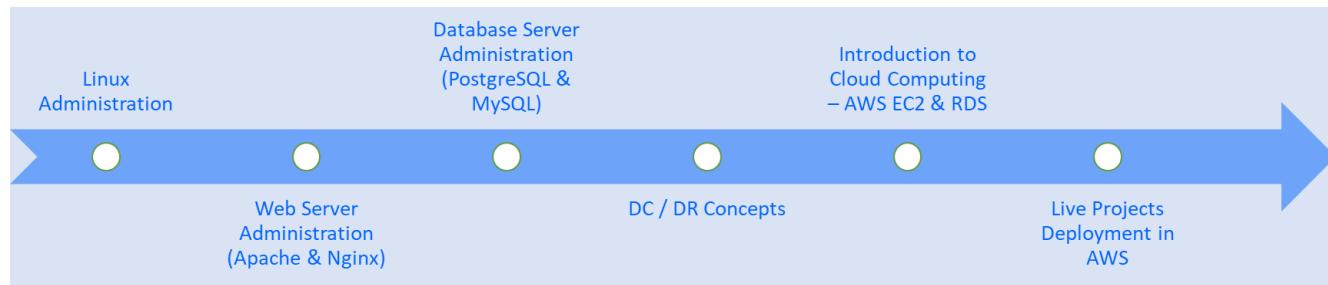
### About the Course:

Linux is a powerful open-source operating system widely used in the corporate world. It forms the foundation for DevOps and Cloud domains. As a Linux administrator, you should possess knowledge in Linux Administration, Database Administration, Webserver Administration, and Cloud management, as these are skills expected by companies today.

In our course, you'll acquire proficiency in all the mentioned technologies with hands-on, real-world experience at a reasonable cost. Even after completing the course, you can always reach out to me for further guidance and clarification.

The Linux Administration Master Program is crafted to align with industry standards, aiming to enhance your expertise in Linux Administration.

### Learning Path:



### What You'll Learn?

- Become a professional Linux administrator and be well-prepared to apply for Linux jobs.
- Be ready to take the EX-200 exam and earn the Red Hat Certified System Administrator (RHCSA - EX200) credential.

- Master Linux system administration commands.
- Gain experience with Red Hat Based os versions 8, and 9.
- Acquire advanced Linux systems administration skills and a deep understanding of Linux fundamentals and concepts.
- Be able to troubleshoot common Linux-related issues.
- Manage Linux servers in a corporate environment effectively.
- Write basic shell scripts.
- Cloud Computing for Linux Administrators.
- Be able to do Database Administration & Webserver Administration with Linux Administration.

## Course Requirements and Prerequisites,

- No prior experience with Linux is required, as the course covers everything from scratch.
- A strong desire to achieve your goals and dreams.
- A computer with at least 4 GB of RAM.

## Who This Course is For

- Individuals looking to start a career in Linux.
- Those who want to learn everything about Linux and become Red Hat Certified System Administrators (RHCSA EX-200).
- Anyone seeking comprehensive Linux training to secure a job in IT.
- Individuals aiming to advance their careers.
- Those who wish to master Linux command-line skills.
- Anyone seeking assistance with resume writing and interview preparation.

## Course Syllabus:

### Linux Fundamentals

- What is Operating System & Linux?
- History of Linux
- What is Linux Distribution?
- Setup Home Lab with Oracle Virtual Box
- Installing Server OS on Oracle Virtual Box
- Linux Filesystem Hierarchy Standard
- Linux Basic commands

### Redhat Certified System Administrator (RHCSA)

- Manage Files from the Command Line
- Manage Local Users and Groups
- Manage File System Permissions
- Manage SELinux Security
- Tune System Performance
- Schedule Future Tasks
- Install and Update Software Packages
- Manage Basic Storage
- Manage Storage Stack
- Control Services and Boot Process
- Analyse and Store Logs
- Manage Networking
- Access Network-Attached Storage
- Manage Network Security
- Run Containers

### RHCSA Exam Preparation

- Introduction - RHCSA (Course & Exam)
- Exam Objectives
- Prerequisites for the Exam
- Lab Preparation
- Exam Preparation – Mock Questions
- Exam Advisory & Tips
- Apply for the exam

### Shell Scripting

- Basic Shell Scripting

### Database Administration

- Database Administration Basics – PostgreSQL
- How to install & Configure PostgreSQL Linux
- Manage Databases in PostgreSQL
- Manage Users / Role in PostgreSQL
- Backup Strategies in PostgreSQL
- Database Administration Basics – MySQL
- How to install & Configure MySQL Linux
- Manage Databases in MySQL
- Manage Users / Role in MySQL
- Backup Strategies in MySQL

## Course Syllabus:

### Cloud Basics

- What is cloud computing?
- AWS Fundamentals
- How to Create EC2 Machine?
- How to Create RDS Service?

### Containerization (Docker)

- Introduction to Docker
- Install Docker
- Creating Docker Images
- Running Docker Container
- Managing Docker Containers
- Volumes in Docker Container

### Webserver Administration

- Webserver Administration – Apache tomcat & Nginx

### Real Time Projects and Scenarios

- DC - DR Introduction
- Joining the Company
- Knowledge Transfer - Day 1
- Knowledge Transfer - Day 2

### Interview Preparation

- Resume Preparation
- Linux Interview Q&A
- Job Environment Explanation

Course Link: [Udemy](#)

For more information Email to [admin@tecnow.org](mailto:admin@tecnow.org)

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