

# Linux Administration Syllabus

## 1. What Is Linux

- Linux Features
- Linux Bash
- Set Environment Variable
- Linux Set Command
- Linux export Command

## 2. Linux Users

- Linux Create User
- Local su Commands
- Linux User Management
- User Password
- Local Groups
- Add User to Group
- Linux id Command

## 3. Linux Directories

- Linux Home Directory
- Linux pwd
- Linux cd
- Linux Absolute Relative
- Linux Path Completion
- Linux ls
- Linux mkdir
- Linux rmdir
- Rename Folder in Linux

## 4. Linux Commands

- Linux commands List
- Commands with Example

## 5. Linux Files

- Linux File Contents
- Open File in Linux
- Linux Edit File
- Linux which command
- Linux head
- Linux tail
- Linux cat
- Linux tac
- Linux more
- Linux less
- Linux strings command
- Linux Print

## 6. Linux Process

- Kill Process Linux
- Linux terminating
  - Linux kill
  - Linux killall
  - Linux pkill
  - Linux xkill
- Nohup Command
- Linux at command
- Linux exit command

## **7. Linux File Hierarchy**

- Linux File Hierarchy
- Binary Directories
- Configuration Directories
- Data Directories
- Memory Directories
- Usr Directory
- var Directory
- Non-standard directories

## **8. Linux Filters**

- Linux Filters
- Linux cat
- Linux cut
- Linux grep
- Linux comm
- Linux sed
- Linux tee
- Linux tr
- Linux uniq
- Linux wc
- Linux od
- Linux sort
- Linux gzip

## **9. Linux I/O Redirection**

- Linux I/O Redirection
- Linux Input Redirection
- Linux Output Redirection
- Linux Error Redirection

## **10. Linux Unix Tools**

- Linux Unix Tools
- Linux Find
- Linux Locate
- Linux Date
- Linux Cal
- Linux Sleep
- Linux Time
- Linux zcat/zmore
- Linux bzip2 / bunzip2
- Linux bzip2 / bunzip2
- Linux bzip2 / bunzip2
- Linux df

## **11. File Security**

- Linux File Ownership
- Linux chgrp Command
- Linux File Permission
- Linux chmod Command
- Linux chown command
- Linux Advance Permission
- Linux File Links
  - Linux Inodes
  - Linux Link Directories
  - Linux Hard links
  - Linux Soft links
  - Linux Remove link

## 12. Linux System Admin

- Linux Admin Commands
- Linux uptime
- Linux service
- Linux pmap
- Linux wget command
- Linux ftp or sftp
- Linux free Command
- Linux top
- Linux last
- Linux ps
- Linux shutdown
- Linux info
- Linux env Linux du
- Linux init
- Linux Nano Editor
- Linux shred
- Linux mount
- Linux route

## 13. Linux Networking

- Linux ifconfig
- Linux ip
- Linux telnet Command
- SSH Linux
- Linux mail Command
- Linux traceroute Linux tracepath
- Linux ping
- Linux netstat
- Linux ss
- Linux dig
- Linux nslookup
- Linux route
- Linux host
- Linux arp
- Linux iwconfig
- Linux hostname
- Linux curl & wget Linux Curl Command
- Linux mtr
- Linux whois
- Linux ifplugstatus
- chkconfig command in Linux
- How to change user password in Linux
- Awk Command Usage
- How to unzip files in Linux