



# Linux for Cloud & DevOps Engineers

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# COURSE SYLLABUS

## Introduction

- **Linux Introduction**
- **What is Operating System**
- **Create an AWS account**
- **Create an Linux EC2 Instance**
- **Connect to a Linux server using Mobaxterm**
- **Linux Filesystem Hierarchy**

## Files and Directories

- **Linux Basic commands - Commands: date, cal, uptime, whoami**
- **Read a File - Commands: cat, more, less, head, tail**
- **Creating files - Commands: touch, cat, vi**
- **Edit or Append Content to a File - Commands: cat, vi, nano**
- **Create Directories - Commands: mkdir**
- **Remove Files and Directories - Commands: rm, rmdir**

## Manage Files and Directories

- **Copy Files or Directories - Commands: cp**
- **Move or Rename a File - Commands: mv**
- **Changing Directories - Commands: cd**
- **Search a File - Commands: find, diff and file**
- **Search for a Word in a File - Commands: grep**
- **Replace a Word in a File - Commands: sed**

## User Management

- **Creating & Managing a User - Command useradd**
- **Login as a User onto EC2 Instance**
- **Is Command Explained**
- **File Permissions**
- **Changing Permissions - Commands: chmod**
- **Changing Ownership - Commands: chown, file**



## Software Management

- Installing Packages - Commands : yum [install, remove]
- Updating and getting info about packages - Commands: yum [update, list, info]

## Networking

- Collect Network info - Commands: hostname, ping, wget, ifconfig, curl
- Telnet explained



## Services

- **Services - Commands:** service [status, start, stop]
- **Services - commands** chkconfig, systemctl

## Process Management

- **Process Management - Commands:** ps, fg, bg, top

## System Management

- **Gather System Information - Commands: free, cpuinfo, uname etc..**

## Other Topics

- **Archiving files and directories - Commands: gzip, gunzip, zip, unzip, tar**



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## CERTIFICATE OF ATTENDANCE

This certificate is proudly presented to  
**Frank Parkson**  
for an active attendance in  
"Leaders in Business" Meetup

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**LINUX FOR CLOUD AND DEVOPS ENGINEERS COURSE**

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