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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 Flles 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**

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

# Networking

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



### **Services**

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

### **Process Management**

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



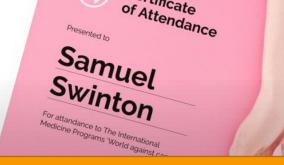
### **System Management**

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

## **Other Topics**

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





# COURSE COMPLETION CERTIFICATE



# **COURSE COMPLETION CONFIRMATION**

THIS CERTIFICATION IS PROUDLY PRESENTED TO

# **JOHN SMITH**

For participating in the Online Course

### LINUX FOR CLOUD AND DEVOPS ENGINEERS COURSE

Held on DD/MM/YY





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