Course Outline

Module 1 - Introduction

Module 2 - Linux Distributions and History
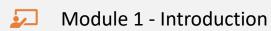
Module 3 - Download, Install and Configure

Module 4 - Introduction to File System and Terminal

Module 5 - Working with Files and Directories

Module 6 - System and Utility commands

Module 7 - Networking

Module 8 - Process and Memory

Module 9 - Advanced Features

Course Outline

Module 1 - Introduction

- What is Linux
- Definition
- Why Linux

Module 2 - Linux Distributions and History

- Brief History
- Major Linux Families
- Linux Distributions
- Choosing Distro for this course
- GUI vs CLI

Module 3 - Download, Install and Configure

- Downloading and Installing Virtual Box
- Installing Linux Mint
- Creating First VM
- Additional settings for VirtualBox
- OnWorks (alternate if can't use vm)

Course Outline

Module 4 - Introduction to File System and Terminal

- Mint Linux Desktop (GUI)
- Introduction to File System: Linux File System Hierarchy
- Introduction to Terminal
- Linux Directory Commands
- Sudo
- Getting Help

Module 5 - Working with Files and Directories

- Printing Contents of Files
- Coping, moving, renaming Files
- Linux File Editors (nano editor)
- Linux File Editors (vi text editor)
- Search for a file (find,locate)
- Grep, Comparing Files
- Pipe and sed
- Checking File Size
- Compress and Un-compress files/directories

Module 6 - System and Utility commands

- System Info
- System Utilities (Date, calander, sleep)
- Utility commands (clear exit shutdown)
- Uptime,alias
- User Managment

Course Outline

Module 7 - Networking

- Networking
- Check your IP
- Setting up bridged network in VirtualBox
- Firewall

Module 8 - Process and Memory

- Memory
- Process (ps and top)

Module 9 - Advanced Features

- Running a C Program
- Creating Apache Server
- Hosting website on Apache Server
- Shell script
- SSH