

Linux+ Course Outline

1 - PERFORMING BASIC LINUX TASKS

- **Identify the History and Development of Linux**
- **Enter Shell Commands**
- **Get Help Using Linux**

2 - MANAGING USERS AND GROUPS

- **Assume Superuser Privileges**
- **Create, Modify, and Delete Users**
- **Create, Modify, and Delete Groups**
- **Query Users and Groups**
- **Configure Account Profiles**

3 - MANAGING PERMISSIONS AND OWNERSHIP

- **Modify File and Directory Permissions**
- **Modify File and Directory Ownership**
- **Configure Special Permissions and Attributes**
- **Troubleshoot Permissions Issues**

4 - MANAGING STORAGE

- **Create Partitions**
- **Manage Logical Volumes**
- **Mount File Systems**
- **Manage File Systems**
- **Navigate the Linux Directory Structure**
- **Troubleshoot Storage Issues**

5 - MANAGING FILES AND DIRECTORIES

- **Create and Edit Text Files**
- **Search for Files**

- **Perform Operations on Files and Directories**
- **Process Text Files**
- **Manipulate File Output**

6 - MANAGING KERNEL MODULES

- **Explore the Linux Kernel**
- **Install and Configure Kernel Modules**
- **Monitor Kernel Modules**

7 - MANAGING THE LINUX BOOT PROCESS

- **Configure Linux Boot Components**
- **Configure GRUB 2**

8 - MANAGING SYSTEM COMPONENTS

- **Configure Localization Options**
- **Configure GUIs**
- **Manage Services**
- **Troubleshoot Process Issues**
- **Troubleshoot CPU and Memory Issues**

9 - MANAGING DEVICES

- **Identify the Types of Linux Devices**
- **Configure Devices**
- **Monitor Devices**
- **Troubleshoot Hardware Issues**

10 - MANAGING NETWORKING

- **Identify TCP/IP Fundamentals**
- **Identify Linux Server Roles**
- **Connect to a Network**
- **Configure DHCP and DNS Client Services**
- **Configure Cloud and Virtualization Technologies**
- **Troubleshoot Networking Issues**

11 - MANAGING PACKAGES AND SOFTWARE

- **Identify Package Managers**
- **Manage RPM Packages with YUM**
- **Manage Debian Packages with APT**
- **Configure Repositories**
- **Acquire Software**
- **Build Software from Source Code**
- **Troubleshoot Software Dependency Issues**

12 - SECURING LINUX SYSTEMS

- **Implement Cybersecurity Best Practices**
- **Implement Identity and Access Management Methods**
- **Configure SELinux or AppArmor**
- **Configure Firewalls**
- **Implement Logging Services**
- **Back Up, Restore, and Verify Data**

13 - WORKING WITH BASH SCRIPTS

- **Customize the Bash Shell Environment**
- **Identify Scripting and Programming Fundamentals**
- **Write and Execute a Simple Bash Script**
- **Incorporate Control Statements in Bash Scripts**

14 - AUTOMATING TASKS

- **Schedule Jobs**
- **Implement Version Control Using Git**
- **Identify Orchestration Concepts**

15 - INSTALLING LINUX

- **Prepare for Linux Installation**
- **Perform the Installation**