A1 Training Institute



Linux Course Content

Introduction to Linux

- Overview of Operating System
- Types of Operating Systems
- History of Unix / Linux
- Advantages of Unix / Linux
- Linux Distributions
- Difference b/w RHEL, Centos and Fedora, Debian, Ubuntu, etc.
- Windows vs. Linux

Virtual Machine Setup (Manual)

- Overview of VM
- Installing Chocolate Package Manager
- Installing Oracle Virtual Box Manager
- Downloading the CentOS Disk Image
- VM setup with CentOS
- Downloading the Ubuntu Disk Image
- VM setup with Ubuntu
- Start VM
- Stop VM
- VM Disc Space Details

Virtual Machine Setup (Automation)

- Overview of Vagrant
- Vagrant Architecture
- Vagrant Use cases
- Vagrant Installation
- Vagrant Boxes
- Vagrant Files
- Providers
- Automate VM Setup using Vagrant
- Vagrant IP, RAM and CPU
- Vagrant Sync Directories
- Provisioning
- Multi VM Vagrant file setup
- Vagrant Share
- n 🕨 Vagrant up 🤉 📜
 - Vagrant SSH

SSH Client Installation

- SSH Overview
- Downloading and installing MobXterm
- Connecting to VM from Mobaxterm using SSH



A1 Training Institute



Linux Course Content

Linux Concepts

- Introduction to Linux
- Directories and File Systems
- File Types
- Commands like mkdir, cp,mv,touch and more
- vim editor
- Filters
- Redirections
- Users and Groups
- Permissions: sudo
- Package Management
- Services
- Process
- Archiving

Shelling Scripting

- Overview of Shell Scripting
- Variables
- System Variables
- Command line arguments
- User Input
- Decision making
- Monitoring Script
- Loops, while Loops
- Remote Command Execution
- SSH Key Exchange



