Certificate Program in Linux Server Virtualization

6 Weeks / 180 Hrs.
Medium of Instruction: Monolithic (English)

Objective

This skill-oriented course provides candidates with information required for configure and administration of OS Server, Cloud Deployment & its Security and equip them with the skills required to protect & recover the computer systems & networks from various security threats in dedicated or cloud environment.

Eligibility

- 3 Year Polytechnic Diploma or Graduate in (IT/CS/Electronics)

Prerequisite

- ✓ Candidate must have latest computer/laptop with preferably 4 GB RAM or higher
- ✓ Internet connection with good speed *(preferably 10Mbps or higher)*

Course Fees

Rs. 2,999/- (Inclusive of 18% GST)

Certificate

Certificate will be provided to the participants after the online mode of assessment including theory exams and practical, conducted at the end of the course.

Methodology

- ✓ Recorded lecture with weekly live doubt clearing sessions
- ✓ 24x7 Cloud based Virtual Lab
- ✓ Content Access through e-learning portal
- ✓ Assessment and Certification

Intended Users

General Participants who can be equipped with skillset for configure and administration of OS Server, Cloud Deployment & its Security and equip them with the skills required to protect & recover the computer systems & networks from various security threats in dedicated or cloud environment.

Course Content

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Module – I: Linux Server Administration

- Introduction to Linux Fundamentals & Linux Commands
- Browsing Filesystem & Users, Groups & Permissions
- Basic System Configuration Tools
- Finding & Processing Files
- Investigating & Managing Processes
- System Initialization &Packet Management
- System Services & Network Configuration

Module – II: Advance Linux Server Administration

- Configuring DNS Server Setup
- Configuring Web Server Setup
- Configuring File and NFS Server
- Configuring Mail Server

Module – III: Virtualization

- Configuring Virtual Box/VMware/KVM Server
- Deploying Vagrant
- Setting Linux Container – Docker, Docker Compose
- Container Orchestration – Docker Swarm

Faculty

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