



# Technical Guftgu

Established under Ministry of Micro, Small and Medium Enterprises, Govt. of India

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- ✓ Certificate provided
- ✓ Recordings Provided
- ✓ Classes In Hindi/Urdu
- ✓ Expert Trainers

## Linux-Basic to Advanced

**No pre requisite required**

### Course Content

#### 1) Get started with Linux

Describe and define open source, Linux distributions, and Linux.

#### 2) Access the command line

Log into a Linux system and run simple commands using the shell.

#### 3) Manage files from the command line

Copy, move, create, delete, and organize files while working from the bash shell.

#### 4) Get help in Linux

Resolve problems by using local help systems.

#### 5) Create, view, and edit text files

Manage text files from command output or in a text editor.

#### 6) Manage local users and groups

Create, manage, and delete local users and groups, as well as administer local password policies.

#### 7) Control access to files

Set Linux file system permissions on files and interpret the security effects of different permission settings.

#### 8) Monitor and manage Linux processes

Evaluate and control processes running on a Linux system.

#### 9) Control services and daemons

Control and monitor network services and system daemons using systemd.

#### 10) Configure and secure SSH

Configure secure command line service on remote systems, using OpenSSH.

#### 11) Analyze and store logs

Locate and accurately interpret logs of system events for troubleshooting purposes.

#### 12) Manage networking

Configure network interfaces and settings on Linux servers.

#### 13) Archive and transfer files

Archive and copy files from one system to another.

#### 14) Install and update software

Download, install, update, and manage software packages from yum package repositories.

#### 15) Access Linux files systems

Access, inspect, and use existing file systems on storage attached to a Linux server.

#### 16) Analyze servers and get support

Investigate and resolve issues in the web-based management interface, getting support to help solve problems.

#### 17) Comprehensive review

Review the content covered in this course by completing hands-on exercises.

#### 18) Improve command line productivity

Run commands more efficiently by using advanced features of the bash shell, shell scripts, and various utilities provided by Linux.

#### 19) Schedule future tasks

Schedule commands to run in the future, either one time or on a repeating schedule.

#### 20) Tune system performance

Improve system performance by setting tuning parameters and adjusting scheduling priority of processes.

#### 21) Control access to files with ACLs

Interpret and set access control lists (ACLs) on files to handle situations requiring complex user and group access permissions.

#### 22) Manage SELinux security

Protect and manage the security of a server by using SELinux.

#### 23) Maintain basic storage

Create and manage storage devices, partitions, file systems, and swap spaces from the command line.

**24) Manage logical volumes**

Create and manage logical volumes containing file systems and swap spaces from the command line.

**25) Implement advanced storage features**

Manage storage using the Stratis local storage management system and use VDO volumes to optimize storage space in use.

**26) Access network-attached storage**

Use the NFS protocol to administer network-attached storage.

**27) Control the boot process**

Manage the boot process to control services offered and to troubleshoot and repair problems.

**28) Manage network security**

Control network connections to services using the system firewall and SELinux rules.

**29) Install Linux**

Install Linux on servers and virtual machines.

**30) Introduce Ansible**

Describe Ansible concepts and install Ansible Engine.

**31) Deploy Ansible**

Configure Ansible to manage hosts and run ad hoc Ansible commands.

**32) Implement playbooks**

Write a simple Ansible Playbook and run it to automate tasks on multiple managed hosts.

**33) Manage variables and facts**

Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

**34) Implement task control**

Manage task control, handlers, and task errors in Ansible Playbooks.

**35) Deploy files to managed hosts**

Deploy, manage, and adjust files on hosts managed by Ansible.

**36) Manage large projects**

Write playbooks that are optimized for larger, more complex projects.

**37) Simplify playbooks with roles**

Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

**38) Troubleshoot Ansible**

Troubleshoot playbooks and managed hosts.

**39) Automate Linux administration tasks**

Automate common Linux system administration tasks with Ansible.

**KEY HIGHLIGHTS OF THIS TRAINING PROGRAM:**

- ✓ *Entire training programme is in Hindi Language for Better understanding.*
- ✓ *Special focus on Non technical and Fresher candidates.*
- ✓ *Resume Preparation for Fresher's and Experienced Both.*
- ✓ *Provides Recording of each live session which you can access from anywhere anytime for One year.*
- ✓ *Interview Cracking tips during live sessions.*
- ✓ *Provide complete notes and books for exam Preparation.*

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