Module 6- Linux server - Manage basic networking & Security

49. Use ifconfig or ip to view and configure network interfaces.

Ans. The ifconfig command is part of the net-tools package, which is considered deprecated on many modern Linux distributions but still widely used.

50. Use ping to test network connectivity.

Ans. The ping command is a simple yet powerful tool to test network connectivity.

Example……ping 192.168.29.199

51. Understand basic firewall configuration using FIREWALL-CMD.

Ans. firewall-cmd is a powerful command-line tool for managing firewalls in systems using firewalld. It allows you to configure and manage firewall rules dynamically

Commands>>>>> systemctl start firewalld systemctl stop firewalld

systemctl enable firewalld

systemctl disable firewalld

52. Add ssh services in firewall

Ans. To allow SSH services in your firewall using firewall-cmd, follow these steps:

firewall-cmd --zone=public --add-service=ssh

firewall-cmd --zone=public --add-service=ssh --permanent

53. Graphicallymanagethefirewal

l 54. 55. What is selinux Security .

Ans. **SELinux (Security-Enhanced Linux)** is a security module integrated into the Linux kernel that provides **mandatory access control (MAC)**. It is designed to enhance the security of a system by restricting processes, applications, and users from accessing system resources beyond what is explicitly permitted.

56. How to Set Static IP in Linux?