**Firewall**

**Module 6- Linux server - Manage basic networking & Security**

1. **Use ifconfig or ip to view and configure network interfaces.**

* You can use the ` ifconfig` or ` ip address` show command to display comprehensive information about all network interfaces. It will display details such as IP addresses, netmasks, and other network-related information for all available interfaces on your Linux system.

1. **. Use ping to test network connectivity.**

* Open the Command Prompt. Type “ping” in the black box and hit the space bar. Type the IP address you'd like to ping (e.g., 192.XXX.X.X). Review the ping results displayed.

1. **Understand basic firewall configuration using FIREWALL-CMD.**

* Start Firewalld for the current session:
* Enable Firewalld to always start at server boot:
* Disable Firewalld from starting at boot:
* Check whether Firewalld is running:
* Check the Firewalld state – similar to systemctl status :
* Whitelist a service for runtime only in the current zone (e.g. http ):

1. **Add ssh services in firewall**

* Step 1: Install OpenSSH Server on Windows. Enable OpenSSH Feature: Open the “Settings” app on your Windows machine. ...
* Step 2: Configure OpenSSH Server. Start SSH Service: ...
* Step 3: Allow SSH Through Windows Firewall. Allow SSH Service: ...
* Step 4: Accessing Windows SSH Server. Find Windows IP Address:

1. **Graphically manage the firewall**

* To graphically manage the firewall on your Windows system, you can use the built-**in Windows Defender Firewall with Advanced Security** application.

1. **What is selinux Security**

* Security-Enhanced Linux (SELinux) is a security architecture for Linux® systems that allows administrators to have more control over who can access the system. It was originally developed by the United States National Security Agency (NSA) as a series of patches to the Linux kernel using Linux Security Modules (LSM).

1. **How to Set Sta.**

* In the details pane, select a virtual server and then click Edit. On the Published Applications tab, under Secure Ticket Authority, click Add. In the Configure STA Server dialog box, enter the URL of the STA server and then click Create.

1. **tic IP in Linux?**

* TCP/IP Introduction. Transmission Control Protocol/Internet Protocol (TCP/IP) is a suite of protocols used by computers to communicate with each other. It includes the protocols TCP, and IP, but also many others, such as ICMP, ARP, HTTP, FTP, POP, SMTP, DNS, DHCP, and so on.