

Cisco IOS Commands - Chapter 2

Access Modes

- enable - Enter privileged EXEC mode from user EXEC mode.
- configure terminal - Enter global configuration mode from privileged EXEC mode.
- exit - Exit the current configuration mode.
- end - Exit to privileged EXEC mode from any subconfiguration mode.
- Ctrl + Z - Return to privileged EXEC mode from any mode.

Device Configuration

- hostname [name] - Set the device hostname.
- line console 0 - Enter console configuration mode.
- password [password] - Set a password for console access.
- login - Enable password checking at login for console access.
- enable secret [password] - Set a password for privileged EXEC mode.
- banner motd # [message] # - Set a message of the day (banner) to display before login.

Password Encryption

- service password-encryption - Encrypt all plaintext passwords in the configuration.

Saving Configurations

- copy running-config startup-config - Save the running configuration to the startup configuration.
- show running-config - Display the current running configuration.
- erase startup-config - Erase the startup configuration file.
- reload - Reload the device (this causes a reboot).

IP Address Configuration

- interface vlan 1 - Enter the configuration mode for the switch virtual interface.
- ip address [IP address] [subnet mask] - Assign an IP address to an interface.
- no shutdown - Enable an interface (bring it up).

Connectivity Testing

- ping [IP address] - Test network connectivity to a specific IP address.
- traceroute [IP address] - Trace the route to a specific IP address.