

Router Basic Commands

User EXEC Mode Commands

Send echo messages:

Router> ping <ip_address/name>

Open a telnet connection:

Router> telnet <ip_address/name>

Open a secure shell client connection:

Router> ssh <ip_address/name>

Trace route to destination

Router> traceroute <ip_address/name>

Display the system clock

Router> show clock

Display the Arp table

Router> show arp

IP domain-name, lookup style, nameservers, and host table

Router> show hosts

Display information about terminal lines

Router> show users

display information about flash: file system

Router> show flash

System hardware and software status

Router> show version

CDP information

Router> show cdp

Interface controllers status

Router> show controllers

Interface status and configuration

Router> show interfaces

Active network routing protocols

Router> show protocols

Display the session command history

Router> show history

IP information

Router> show ip interface brief

Turn on privileged commands

Router> enable

Turn off privileged commands

Router> disable

Exit from the EXEC

Router> exit

Exit from the EXEC

Router> logout

Note: All User Exec mode commands can also be execute on Privilege Exec mode.

Privilege EXEC Mode Commands

List files on a filesystem

Router# dir

List files on a flash filesystem

Router# dir flash:

List files on a nvram filesystem

Router# dir nvram:

Create new directory

Router# mkdir <directory_name>

Delete a file

Router# delete <directory_name>

Remove existing directory

Router# rmdir <directory_name>

Manage the system clock

Router# clock set 17:30:22 4 jan 2019

Copy from one file to another

Router# copy <source_file> <destination_file>

Erase a filesystem

Router# erase <file_name/filesystem>

Halt and perform a cold restart

Router# reload

Enter configuration mode

Router# configure terminal

Write running configuration to memory, network, or terminal

Router# write

List all configured Routing Protocols

Router# show ip protocols

List Routing table

Router# show ip route

List the contents of running-config

Router# show running-config

List the contents of startup-config

Router# show startup-config

Exit from the EXEC

Router# exit