

Cisco Router Basic Commands

```
# Enable
# Disable
# Configure terminal
# Exit
```

How to check version, Memory, Flash, Running-config, Startup-config, Clock, Arp, History, Interface, Routing table and debug?

```
# enable
# show version
# show memory
# show flash
# show running-config
# show startup-config
# show clock
# show users
# show arp
# show history
# show interface
# show ip interface
# show ip interface brief
# show ip route
# debug ip packet
```

How to stop all debug messages?

```
# enable
# undebug all
```

How to setup hostname?

```
# enable
# configure terminal
# hostname Networking-Info
```

Note – Any command can be removed by putting NO keyword in front of the command
Example – No hostname Networking-Info

How to set enable and secret password?

```
# enable password password-string
# enable secret password-string
```

How to convert simple text password into type7?

```
# enable
```

```
# configuration terminal
# service password-encryption
```

How to setup line VTY password?

```
# enable
# configuration terminal
# Line vty 0 4
# password cisco
# login
```

How to setup console port password and stop timing out?

```
# enable
# configuration terminal
# Line console 0
# password cisco
# exec-timeout 0 0
# logging synchronous
```

How to save running-config to NVRAM?

```
# enable
# copy running-config startup-config
# write
```

How to setup clock?

```
# enable
# clock set 12:44:00 9 Sept 2017
```

How to setup MOTD banner and Login banner

Motd (Message of the day) is used to show temporary notice to users, Displays prior to login,

```
# enable
# configure terminal
# banner motd ##### MOTD Banner of Networking Info #####
```

How to setup login banner?

It is a permanent message, Displays before login to the system, but after the MOTD banner is displayed

```
# enable
# configure terminal
# banner motd ##### This is Login message and Login Required. Unauthorized use is Prohibited #####
```

How to setup Exec Banner?

This banner displays after the login is complete when connecting user enters user EXEC mode.

```
# enable
# configure terminal
# banner exec #
*** Ensure that you updated the system configuration ***
*** Documentation after making system changes. ***
#
```

How to setup interface IP and description, Bandwidth, duplex on the interface?

```
# enable
# configure terminal
# interface FastEthernet 0/0
# description ### LAN_TO_WAN ###
# ip address 1.1.1.1 255.255.255.0
# duplex auto
# bandwidth 50000
# no shutdown
```

How to setup clock rate on Serial interface?

Note – Clock rate is only applied to serial interface, 64000 is default clock rate for Cisco devices

```
# enable
# configure terminal
# interface serial 0/0
# clock rate 64000
```

Note – Command can be removed by putting NO in front of the command

How to run privileged level command in Global configuration mode?

Cisco has given the facility to run privileged level command in global configuration by putting **Do** keyword in front of the command.

```
# enable
# configure terminal
# do show ip route
# do show ip interface brief
```

How to enable CDP Globally?

CDP is cisco proprietary and used to discover directly connected cisco devices.

```
# enable
# configure terminal
# cdp run
```

How to disable CDP Globally?

```
# enable
```

```
# configure terminal  
# no cdp run
```

How to enable and disable CDP on interface?

```
# enable  
# configure terminal  
# interface fastethernet0/0  
# cdp enable  
# no cdp enable (This command will disable CDP effect on Interface)
```

How to backup from router to TFTP?

```
# enable  
# copy startup-config tftp  
(It will ask the remote TFTP server IP and destination file name)
```