

Basic commands for configuring a router.

Note : Sh means "Show"

- **sh running-config** - details the running configuration file (RAM)
- **sh startup-config** - displays the configuration stored in NVRAM
- **setup** - Will start the the automatic setup; the same as when you first boot the router
- **config t** - use to execute configuration commands from the terminal
- **config mem** - executes configuration commands stored in NVRAM; copies startup-config to running-config
- **config net** - used to retrieve configuration info from a TFTP server
- **copy running-config startup-config** - copies saved config in running config (RAM) to NVRAM or "write memory" for IOS under ver.11
- **copy startup-config running-config** - copies from non-volatile (NVRAM) to current running config (RAM)
- **boot system flash <put file filename here>** - tells router which IOS file in flash to boot from
- **boot system tftp** - tells router which IOS file on the tftp server to boot from
- **boot system rom** - tell router to boot from ROM at next boot
- **copy flash tftp** - Copies flash to tftp server
- **copy tftp flash** - Restores flash from tftp server
- **copy run tftp** - Copies the current running-config to tftp server
- **copy tftp run** - Restores the running-config from tftp server

Privilege Mode commands of a router

Learn how to work in the privileged mode of a router.

enable - get to privileged mode

disable - get to user mode

enable password <give password here> - sets privileged mode password

enable secret <give password here> - sets encrypted privileged mode password

Setting Passwords on router

Here you will be able to learn how to set the password on a router.

- **enable secret <give password here>** - set encrypted password for privileged access
- **enable password <give password here>** - set password for privileged access

Setting the password for console access:

- (config)#line console 0
- (config-line)#login
- (config-line)#password <put password here>

Set password for virtual terminal (telnet) access (password must be set to access router through telnet):

- (config)#line vty 0 4
- (config-line)#login
- (config-line)#password <put password here>

Set password for auxiliary (modem) access:

- (config)#line aux 0
- (config-line)#login
- (config-line)#password <put password here>