

# How To Configure a Cisco With TFTP

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1. Install Solar Winds TFTP server on your computer
  - A TFTP-Root folder should be created on your hard drive
  - Place the configuration file in the tftp root folder
2. Open TFTP server. Under File > Configure, make sure that the server status is "started."
3. Connect your PC's ethernet port to one of the four E(0) ports on the back of the router. Connect the PC's serial port to the "Console" port on the router (blue cable provided).
4. Configure the ip of your computer
  - A new Cisco 831 will have an ip of 10.10.10.1, and DHCP for all connected devices.
  - If you don't know the router's ip or want to change it, see Appendix A.
5. Open a terminal emulator and configure the session with 9600 8N1.

6. Enter the router's Global Configuration mode

```
Hit Enter to access router
Router> enable
Router#
```

7. Check to make sure that none of the router interfaces you are using are shut down.
8. Load your config using the following commands

```
Router# copy tftp: startup-config
Address or name of remote host []? 192.168.1.3
Source filename []? cocos
Destination filename []? startup-config
Accessing tftp://192.168.1.3/cocos....
Loading cocos from 192.168.1.3 (via Ethernet0): !
[OK - 2719 bytes]
[OK]
2719 bytes copied in 28.288 secs (96 bytes/sec)
```

```
Router# reload
Proceed with reload? [Confirm]
```

9. Log back into the router and check that the configuration is correct

```
cocos# show run
```

## APPENDIX A - How to check and change the ip of the router

1.

```
cocos#show ip int brief
```

Interface	IP-Address	OK?	Method	Status	Protocol
FastEthernet1	unassigned	YES	unset	administratively down	down
FastEthernet2	unassigned	YES	unset	administratively down	down
FastEthernet3	unassigned	YES	unset	administratively down	down
FastEthernet4	unassigned	YES	unset	administratively down	down
Ethernet0	10.236.160.1	YES	NVRAM	down	down
Ethernet1	unassigned	YES	DHCP	up	down
Ethernet2	unassigned	YES	NVRAM	administratively down	down
NVI0	unassigned	YES	unset	up	up

2.

```
cocos#conf t
```

```
Enter configuration commands, one per line. End with CNTL/Z.
```

```
cocos(config)#int Eth0
```

```
cocos(config-if)#ip address 10.236.160.1 255.255.255.248
```

```
cocos(config-if)#exit
```

```
cocos(config)#exit
```

```
cocos#
```

3. All changes to the configuration are saved to Volatile RAM. To save changes to NVRAM:

```
cocos# copy running-config: startup-config
```

```
Destination filename []? startup-config
```

```
Building configuration...
```

```
[OK]
```

## APPENDIX B - How to configure router interfaces

1. FastEth ports and Eth(0), the router's interface, will be listed as "down" until a device is plugged in. If a port is "administratively down," you will need to change its configuration.

2.

```
cocos#conf t
```

Enter configuration commands, one per line. End with CNTL/Z.

```
cocos(config)#int Fasteth1
```

```
cocos(config-if)#no shut
```

```
cocos(config-if)#exit
```

```
cocos(config)#exit
```

```
cocos#
```

Online URL: <https://kb.unavco.org/article/how-to-configure-a-cisco-with-tftp-707.html>