# 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 Volaitle 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 it's 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