

CCNA 1 - Chapter 2

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Configuring a switch or router

Connecting -- Console cable (Serial), Ethernet cable (SSH, Telnet)

Consoling -- Putty, Tera Term, SecureCRT

Cisco IOS -- Cisco router and switch operating system

```
Switch>          - User Exec mode          (password to access device)
Switch#          - Privileged Exec mode (password to configure device)
Switch(config)#  - Global configuration mode
Switch(config-line)# - Line configuration mode
Switch(config-if)# - Interface configuration mode
```

```
Switch> enable
Switch# configure terminal
Switch(config)# hostname S1
S1(config)# line console 0
S1(config-line)# password cisco
S1(config-line)# login
S1(config-line)# exit
```

```
Switch> enable
Switch# configure terminal
Switch(config)# hostname S1
S1(config)# line console 0
S1(config-line)# password cisco
S1(config-line)# login
S1(config-line)# exit
                end
                ctrl+c
                ctrl+z
S1(config)# enable secret class12345
S1(config)# line vty 0 15
S1(config-line)# password cisco
S1(config-line)# login
S1(config-line)# exit
S1(config)# service password encryption
S1(config)# banner motd 'no unauthorized access allowed!'
S1(config)# interface vlan 1
S1(config-if)# ip address 192.168.0.2 255.255.255.0
S1(config-if)# no shutdown
S1(config-if)# end
S1(config)# ip default-gateway 192.168.0.1
S1(config)# exit
S1# copy running-config startup-config
S1# show running-config
S1# show startup-config
S1# show ip interface brief
```