

## 1. User EXEC Mode

- ◆ **Prompt: Router>**
- ◆ **Access: Basic commands only**
-  **Common Commands:**

```
Router> enable      ← Move to privileged mode  
Router> ping 8.8.8.8   ← Ping external IP  
Router> show version    ← Show IOS and device info  
Router> show interfaces    ← Basic interface status  
Router> show ip interface brief ← Quick interface overview
```

## 2. Privileged EXEC Mode

- ◆ **Prompt: Router#**
- ◆ **Access: Full command set, but not config changes**
-  **Common Commands:**

```
Router# configure terminal  ← Enter global config mode  
Router# copy running-config startup-config ← Save configuration  
Router# reload      ← Reboot the device  
Router# show running-config  ← View current config  
Router# show vlan brief    ← VLAN overview (switches)  
Router# show ip route     ← View routing table
```



## Moving Between Modes

From Mode	To Mode	Command
User EXEC (>)	Privileged EXEC (#)	enable
Privileged EXEC (#)	Global Config ((config)#)	configure terminal
Global Config	Interface Config	interface FastEthernet0/0
Any Mode	Exit to previous	exit or end



## Set Passwords for Mode Access (Recommended)

```
Router(config)# enable password cisco      ← Basic password  
Router(config)# enable secret strongpass123 ← Encrypted password  
Router(config)# line console 0  
Router(config-line)# password userpass
```

```
Router(config-line)# login
```

Tip: enable secret is preferred over enable password because it is **encrypted**.