

Basic Router Configuration:

Console Authentication Router
R(config)# line console 0
R(config-line)# password cisco
R(config-line)# login

Console Local Authentication Router
R(config)# username admin password cisco
R(config)# line console 0
R(config-line)# login local

Enable Mode Password Router
R(config)# enable password 123
R(config)# enable secret cisco

Telnet Authentication Router
R(config)# line vty 0 4
R(config-line)# password cisco
R(config-line)# login

Local Telnet Authentication Router
R(config)# username admin password cisco
R(config)# line vty 0 4
R(config-line)# login local

SSH Authentication Router
R(config)# username ali password 123
R(config)# ip domain-name test.local
R(config)# crypto key generate RSA
R(config)# line vty 0 4
R(config-line)# login local
R(config-line)# transport input ssh

Password Encryption Router
R(config)# service password-encryption
R(config)# enable password cisco
R(config)# no service password-encryption

Login Banner Router

```
R(config)#banner login $ Login Message $
```

```
R(config)#banner motd & Message here &
```

Disables Router from Translating Unfamiliar Words

```
R(config)# no ip domain-lookup
```

Set the Interval

```
R(config)#line console 0
```

```
R(config-line)# exec-timeout 0 0
```

```
R# show terminal
```

```
R# show users
```

Turn on Synchronous Logging

```
R(config)#line console 0
```

```
R(config-line)# logging synchronous
```

Show Commands

```
Router# show ip interface brief
```

```
Router# show interfaces FastEthernet 0/0
```

```
Router# show ip interface FastEthernet 0/0
```

```
Router# show ip route
```

Interface Configuration

```
Router(config)# interface f0/0
```

```
Router(config-if)# description Link to WAN
```

```
Router(config-if)# ip address 192.168.1.1 255.255.255.0
```

```
Router(config-if)# no shutdown
```