

Router Configuration

Skills Test Review

Six Steps to Successful Setup

Exec Commands

Router> (User mode)

Router> **enable**

Router# (Privileged mode)

Router# **config t**

Router(config)# (Global Configuration mode)

Router(line-config)# (Sub-Configuration mode)

Step #1

Hostname

```
Router(config)# hostname Lab-A
```

```
Lab-A(config)# no ip domain-lookup
```

```
Lab-A(config)# banner motd #Welcome#
```

Step #2

Passwords

```
Lab-A(config)# enable password cisco
Lab-A(config)# enable secret class
Lab-A(config)# service password-encryption
Lab-A(config)# line console 0
Lab-A(config)# password cisco
Lab-A(config)# login
Lab-A(config)# logging synchronous
Lab-A(config)#
Lab-A(config)# line aux 0
Lab-A(config)# Same as line console 0
Lab-A(config)# line vty 0 4
Lab-A(config)# Same as line console 0
```


Step #3

Interfaces

```
Lab-A(config)#int s0/0/0
```

```
Lab-A(config-if)#ip address ip-address subnet-mask
```

```
Lab-A(config-if)#no shutdown
```

```
Lab-A(config-if)#clockrate 56000
```

```
Lab-A(config-if)#
```

```
Lab-A(config-if)# Same for int e0, fa0/0, gi0/0, lo0, etc.
```

Step #4

Protocols

```
Lab-A(config)# ip routing
```

```
Lab-A(config)# router rip
```

```
Lab-A(config-router)# network network-address
```

```
Lab-A(config-router)#
```

Step #5

IP Hosts

```
Lab-A(config)# ip host Lab-A interface-address  
Lab-A(config)#
```

Step #6

Save

Lab-A# **show run** (check to see that the configuration you entered is correct)

Lab-A# **copy run startup-config**

Lab-A# **[start-config]** enter

Lab-A# **reload**

Lab-A# **[confirm]** enter