

## Configuring the Router's Name

```
ROUTER# config t  
ROUTER(config)# hostname NAME
```

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## Configuring the Ethernet Interface(s)

```
NAME# config t  
NAME(config)# int interface type & number (fa0/0, fa0/1)  
NAME(config-if)# description your description of the interface  
NAME(config-if)# ip address ip address subnet mask
```

## Configuring the Serial Interface(s)

```
NAME(config)# int interface type & number (s0/0 , s0/1- s0/0/0, s0/0/1)  
NAME(config-if)# clock rate 56000 (when configuring a DCE serial interface only)  
NAME(config-if)# no shutdown  
NAME(config-if)# exit
```

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## Configuring Routing: Dynamic or Static Routing

### Dynamic:

```
NAME# config t  
NAME(config)# router rip  
NAME(config)# version 2 (if using VLSM)  
NAME(config-router)# network network number  
NAME(config-router)# network network number (if more than one network is attached)
```

### STATIC:

```
Name(config)# ip route [destination network] [Subnet Mask] [next hop IP address or interface]
```

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## Configuring Passwords

### Encrypted:

```
NAME# config t  
NAME(config)# enable secret class
```

### Plain text:

```
NAME# config t  
NAME(config)# enable secret class
```

### Console:

```
NAME# config t  
NAME(config)# line con 0  
NAME(config-line)# password cisco  
NAME(config-line)# login  
(config-line)# exit
```

### Virtual Terminal (Telnet):

```
NAME# config t  
NAME(config)# line vty 0 4  
NAME(config-line)# password cisco  
NAME(config-line)# login  
(config-line)# exit
```

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### Banner:

```
NAME# Config t  
NAME(config)# banner motd # your message #
```

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### IP Host:

```
NAME(config)# ip host [NAME of the device] [ip address of the device]
```

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## SHOW COMMANDS

Show run, show start, show interface, sh ip interface brief, show ip route, tracet, ping, telnet