



Slot and Subslot Configuration

This chapter contains the following sections:

- [Configuring the Interfaces, on page 1](#)

Configuring the Interfaces

The following sections describe how to configure interfaces and also provide examples of configuring the router interfaces:

Configuring the Interfaces: Example

The following example shows the **interface gigabitEthernet** command being used to add the interface and set the IP address. **0/0/0** is the slot/subslot/port. The ports are numbered 0 to 3.

```
Router# show running-config interface gigabitEthernet 0/0/0
Building configuration...
Current configuration : 71 bytes
!
interface gigabitEthernet0/0/0
no ip address
negotiation auto
end

Router# configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)# interface gigabitEthernet 0/0/0
```

Viewing a List of All Interfaces: Example

In this example, **show interfaces summary** command is used to display all the interfaces:

```
Router# show interfaces summary
*: interface is up
IHQ: pkts in input hold queue      IQD: pkts dropped from input queue
OHQ: pkts in output hold queue     OQD: pkts dropped from output queue
RXBS: rx rate (bits/sec)           RXPS: rx rate (pkts/sec)
TXBS: tx rate (bits/sec)           TXPS: tx rate (pkts/sec)
TRTL: throttle count

Interface      IHQ  IQD  OHQ  OQD  RXBS  RXPS
TXBS  TXPS  TRTL
```

Viewing Information About an Interface: Example

```

-----
* GigabitEthernet0/0/0      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/0/1      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/0      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/1      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/2      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/3      0      0      0      0      0      0
0      0      0

Interface                    IHQ      IQD      OHQ      OQD      RXBS      RXPS
TXBS      TXPS      TRTL
-----
* GigabitEthernet0/1/4      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/5      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/6      0      0      0      0      0      0
0      0      0
* GigabitEthernet0/1/7      0      0      0      0      0      0
0      0      0
* W10/1/8                    0      0      0      0      0      0
0      0      0
* Cellular0/2/0              0      0      0      0      0      0
0      0      0
Cellular0/2/1              0      0      0      0      0      0
0      0      0
* Loopback3                  0      0      0      0      0      0
0      0      0
* Loopback50                 0      0      0      0      0      0
0      0      0
* Loopback100                0      0      0      0      0      0
0      0      0
* Loopback544534            0      0      0      0      0      0
0      0      0

```

Viewing Information About an Interface: Example

The following example shows how to display a brief summary of an interface's IP information and status, including the virtual interface bundle information, by using the **show ip interface brief** command:

```

Router# show ip interface brief
Interface                    IP-Address      OK? Method Status      Protocol
GigabitEthernet0/0/0      192.168.1.46   YES NVRAM   up          up
GigabitEthernet0/0/1      15.15.15.1    YES NVRAM   up          up
GigabitEthernet0/1/0      unassigned     YES unset  up          up
GigabitEthernet0/1/1      unassigned     YES unset  up          up
GigabitEthernet0/1/2      unassigned     YES unset  up          up
GigabitEthernet0/1/3      unassigned     YES unset  up          up
GigabitEthernet0/1/4      unassigned     YES unset  up          up
GigabitEthernet0/1/5      unassigned     YES unset  up          up
GigabitEthernet0/1/6      unassigned     YES unset  up          up
GigabitEthernet0/1/7      unassigned     YES unset  up          up
W10/1/8                    unassigned     YES unset  up          up
Cellular0/2/0              unassigned     YES NVRAM   up          up
Cellular0/2/1              unassigned     YES NVRAM   administratively down down
Loopback3                  unassigned     YES unset  up          up
Loopback50                 5.5.5.5       YES NVRAM   up          up
Loopback100                unassigned     YES unset  up          up

```

| | | | | | |
|------------------|------------|-----|-------|------|------|
| Loopback544534 | unassigned | YES | unset | up | up |
| Loopback32432532 | unassigned | YES | unset | up | up |
| Port-channel2 | unassigned | YES | unset | down | down |
| Vlan1 | 10.10.10.1 | YES | NVRAM | up | up |

