



ISP

Physical **Config** CLI Attributes

GLOBAL

Settings

Algorithm Settings

ROUTING

Static

RIP

SWITCHING

VLAN Database

INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status ☐ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☒ Half Duplex ☐ Full Duplex ☒ Auto

MAC Address 0001.43E8.BA01

IP Configuration

Pv4 Address 192.168.0.100

Subnet Mask 255.255.255.0

Tx Ring Limit 10

Equivalent IOS Commands

```

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#
Router(config)#
!SYS-5-CONFIG_I: Configured from console by console
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.0.100 255.255.255.0
Router(config-if)#
  
```

Internet Server

Physical **Config** CLI Attributes

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INTERFACE

FastEthernet0/0

FastEthernet0/1

FastEthernet0/0

Port Status ☐ On

Bandwidth ☒ 100 Mbps ☐ 10 Mbps ☒ Auto

Duplex ☒ Half Duplex ☐ Full Duplex ☒ Auto

MAC Address 0001.C9C2.BA01

IP Configuration

Pv4 Address 100.10.10.2

Subnet Mask 255.0.0.0

Tx Ring Limit 10

Equivalent IOS Commands

```

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 100.10.10.2 255.0.0.0
Router(config-if)#
  
```

ISP

Physical Config CLI Attributes

IOS Command Line Interface

```
Router(config-router)#end
Router#configure terminal
Enter configuration commands, one per line. End with CRTL/Z.
Router(config)#
Router(config)#
%SYS-6-CONFIG_I: Configured from console by console

Router(config)#interface FastEthernet0/0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#ip address 192.168.0.100 255.255.255.0
Router(config-if)#
Router(config-if)#exit
Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 100.10.10.1 255.0.0.0
Router(config-if)#
Router(config-if)#
Router(config-if)#exit
Router(config)#ip route 0.0.0.0 0.0.0.0 100.10.10.2
~
% Invalid input detected at '^' marker.

Router(config)#ip route 0.0.0.0 0.0.0.0 100.10.10.2
Router(config)#int fa0/0
Router(config-if)#ip nat outside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#exit
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.1
~
% Invalid input detected at '^' marker.

Router(config)#ip nat inside source static 192.168.0.1 100.10.11.1
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.2
Router(config)#
```

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PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Pinging 100.10.10.2 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:
Request timed out.
Request timed out.
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 2, Lost = 2 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254
Reply from 100.10.10.2: bytes=32 time<1ms TTL=254

Ping statistics for 100.10.10.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

```
Router(config)#
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.1
Router(config)#ip nat inside source static 192.168.0.1 100.10.11.2
Router(config)#sh
Router(config)#sh
Router(config)#sh
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#show ip nat tr
Router(config)#exit
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#sh
Router#show ip
Router#show ip nat tr
Router#show ip nat translations
Pro Inside global      Inside local      Outside local      Outside global
--- 100.10.11.1         192.168.0.1       ---                ---
--- 100.10.11.2         192.168.0.1       ---                ---
Router#
```

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