



router0

Physical Config **CLI** Attributes

IOS Command Line Interface

```

Router(config)#interface FastEthernet0/1
Router(config-if)#ip address 100.10.10.1 255.0.0.0
Router(config-if)#ip address 100.10.10.1 255.0.0.0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/1, changed state to up

Router(config-if)#exit
Router(config)#interface FastEthernet0/0
Router(config-if)#no shutdown
Router(config-if)#
%LINK-5-CHANGED: Interface FastEthernet0/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router(config-if)#
Router(config-if)#
Router(config-if)#exit
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)#access-list 1 permit 192.168.0.0 0.0.0.255
Router(config)#ip nat inside source list 1 int fa0/1 overload
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#
  
```

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PC0

Physical Config Desktop Programming Attributes

Command Prompt

```
Cisco Packet Tracer PC Command Line 1.0
C:\>ping 100.10.10.2

Pinging 100.10.10.2 with 32 bytes of data:

Request timed out.
Reply from 100.10.10.2: bytes=32 time=5ms TTL=254
Reply from 100.10.10.2: bytes=32 time=3ms 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 = 3, Lost = 1 (25% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 5ms, Average = 2ms

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:\>
```

Router0

Physical Config CLI Attributes

IOS Command Line Interface

```
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
%LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to up

Router(config-if)#
Router(config-if)#
Router(config-if)#exit
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)#access-list 1 permit 192.168.0.0 0.0.0.255
Router(config)#ip nat inside source list 1 int fa0/1 overload
Router(config)#int fa0/0
Router(config-if)#ip nat inside
Router(config-if)#int fa0/1
Router(config-if)#ip nat outside
Router(config-if)#end
Router#
%SYS-5-CONFIG_I: Configured from console by console

Router#sh
Router#show ip nat tr
Router#show ip nat translations

```

Pro	Inside global	Inside local	Outside local	Outside global
icmp	100.10.10.1:1	192.168.0.1:1	100.10.10.2:1	100.10.10.2:1
icmp	100.10.10.1:2	192.168.0.1:2	100.10.10.2:2	100.10.10.2:2
icmp	100.10.10.1:3	192.168.0.1:3	100.10.10.2:3	100.10.10.2:3
icmp	100.10.10.1:4	192.168.0.1:4	100.10.10.2:4	100.10.10.2:4
icmp	100.10.10.1:5	192.168.0.1:5	100.10.10.2:5	100.10.10.2:5
icmp	100.10.10.1:6	192.168.0.1:6	100.10.10.2:6	100.10.10.2:6
icmp	100.10.10.1:7	192.168.0.1:7	100.10.10.2:7	100.10.10.2:7
icmp	100.10.10.1:8	192.168.0.1:8	100.10.10.2:8	100.10.10.2:8

Router#

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