



CLI CODES

Router1

Physical Config CLI Attributes

IOS Command Line Interface

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fastethernet0/0
Router(config-if)#ip 192.168.10.1 255.255.255.0
^
% Invalid input detected at '^' marker.

Router(config-if)#ip address 192.168.10.1 255.255.255.0
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

Router(config-if)#exit
Router(config)#interface serial 0/1/0
Router(config-if)#ip address 172.16.10.2 255.255.255.252
Router(config-if)#encapsulation ppp
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/0, changed state to down
Router(config-if)#exit
Router(config)#
Router(config)#
Router(config)#router rip
Router(config-router)#network 192.168.10.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 172.16.0.0
Router(config-router)#version 2
Router(config-router)#no auto-summary
Router(config-router)#exit
Router(config)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up
```

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Router2

Physical Config CLI Attributes

IOS Command Line Interface

```
Press RETURN to get started!

Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface fastethernet0/0
Router(config-if)#ip address 192.168.20.1
^
% Incomplete command.
Router(config-if)#ip address 192.168.20.1 255.255.255.0
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

Router(config-if)#exit
Router(config)#interface serial 0/1/0
Router(config-if)#ip address 172.16.10.6 255.255.255.252
Router(config-if)#encapsulaion ppp
^
% Invalid input detected at '^' marker.

Router(config-if)#encapsulation ppp
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up

Router(config-if)#exit
Router(config)#router rip
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.10.0
Router(config-router)#network 172.16.0.0
Router(config-router)#version 2
Router(config-router)#no auto-summary
Router(config-router)#exit
Router(config)#
```

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Router3

Physical Config CLI Attributes

IOS Command Line Interface

```
Router>enable
Router#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#interface serial 0/1/0
Router(config-if)#ip address 172.16.10.1 255.255.255.252
Router(config-if)#clock rate 64000
Router(config-if)#encapsulation ppp
Router(config-if)#no shutdown

Router(config-if)#
%LINK-5-CHANGED: Interface Serial0/1/0, changed state to up

Router(config-if)#exir
^
% Invalid input detected at '^' marker.

Router(config-if)#exit
Router(config)#interface serial 0/1/1
Router(config-if)#ip address 172.16.10.5 255.255.255.252
Router(config-if)#encapsulation ppp
Router(config-if)#clock rate 64000
Router(config-if)#no shutdown

%LINK-5-CHANGED: Interface Serial0/1/1, changed state to down
Router(config-if)#exit
Router(config)#
%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/0, changed state to up

Router(config)#router rip
Router(config-router)#network 172.16.0.0
Router(config-router)#network 192.168.20.0
Router(config-router)#network 192.168.10.0
Router(config-router)#version 2
Router(config-router)#no auto-summary
Router(config-router)#exit
Router(config)#
%LINK-5-CHANGED: Interface Serial0/1/1, changed state to up

%LINEPROTO-5-UPDOWN: Line protocol on Interface Serial0/1/1, changed state to up
```

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PING

PC0

PhysicalConfigDesktopProgrammingAttributes

Command Prompt

Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.
Reply from 192.168.10.1: Destination host unreachable.

Ping statistics for 192.168.20.10:
Packets: Sent = 4, Received = 0, Lost = 4 (100% loss),

C:\>ping 192.168.20.10

Pinging 192.168.20.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.10: bytes=32 time=14ms TTL=125
Reply from 192.168.20.10: bytes=32 time=14ms TTL=125
Reply from 192.168.20.10: bytes=32 time=14ms TTL=125

Ping statistics for 192.168.20.10:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 14ms, Maximum = 14ms, Average = 14ms

C:\>ping 192.168.20.10

Pinging 192.168.20.10 with 32 bytes of data:

Request timed out.
Reply from 192.168.20.10: bytes=32 time=16ms TTL=125
Reply from 192.168.20.10: bytes=32 time=17ms TTL=125
Reply from 192.168.20.10: bytes=32 time=17ms TTL=125

Ping statistics for 192.168.20.10:
Packets: Sent = 4, Received = 3, Lost = 1 (25% loss),
Approximate round trip times in milli-seconds:
Minimum = 16ms, Maximum = 17ms, Average = 16ms

C:\>

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PC1

PhysicalConfigDesktopProgrammingAttributes

Command Prompt

Cisco Packet Tracer PC Command Line 1.0
C:\>ping 192.168.10.10

Pinging 192.168.10.10 with 32 bytes of data:

Reply from 192.168.10.10: bytes=32 time=19ms TTL=125
Reply from 192.168.10.10: bytes=32 time=16ms TTL=125
Reply from 192.168.10.10: bytes=32 time=15ms TTL=125
Reply from 192.168.10.10: bytes=32 time=14ms TTL=125

Ping statistics for 192.168.10.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 14ms, Maximum = 19ms, Average = 16ms

C:\>ping 192.168.10.10

Pinging 192.168.10.10 with 32 bytes of data:

Reply from 192.168.10.10: bytes=32 time=26ms TTL=125
Reply from 192.168.10.10: bytes=32 time=22ms TTL=125
Reply from 192.168.10.10: bytes=32 time=13ms TTL=125
Reply from 192.168.10.10: bytes=32 time=8ms TTL=125

Ping statistics for 192.168.10.10:
Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
Minimum = 8ms, Maximum = 26ms, Average = 17ms

C:\>

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