

Router1

Physical

Config

CLI

Attributes

IOS Command Line Interface

```
Router#int g0/0/1.10
^
% Invalid input detected at '^' marker.

Router#config t
Enter configuration commands, one per line. End with CNTL/Z.
Router(config)#int g0/0/1.10
Router(config-subif)#description Default Gateway for Admin
Router(config-subif)#encapsulation dot1Q 10
Router(config-subif)#ip add 192.168.10.1 255.255.255.0
Router(config-subif)#exit
Router(config)#int g0/0/1.20
Router(config-subif)#description Default Gateway for Finance
Router(config-subif)#ip add 192.168.20.1 255.255.255.0

% Configuring IP routing on a LAN subinterface is only allowed if that
subinterface is already configured as part of an IEEE 802.10, IEEE 802.1Q,
or ISL vLAN.

Router(config-subif)#encapsulation dot1Q 20
Router(config-subif)#ip add 192.168.20.1 255.255.255.0
Router(config-subif)#exit
Router(config)#int g0/0/1.99
Router(config-subif)#description Default Gateway for HR
Router(config-subif)#encapsulation dot1Q 99
Router(config-subif)#ip add 192.168.99.1 255.255.255.0
Router(config-subif)#exit
Router(config)#int g0/0/1
Router(config-if)#description Trunk Link to S1
Router(config-if)#no shut

Router(config-if)#
%LINK-5-CHANGED: Interface GigabitEthernet0/0/1, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/0/1.10, changed state to up

%LINK-5-CHANGED: Interface GigabitEthernet0/0/1.20, changed state to up


%LINK-5-CHANGED: Interface GigabitEthernet0/0/1.99, changed state to up

Router(config-if)#exit
Router(config)#
```

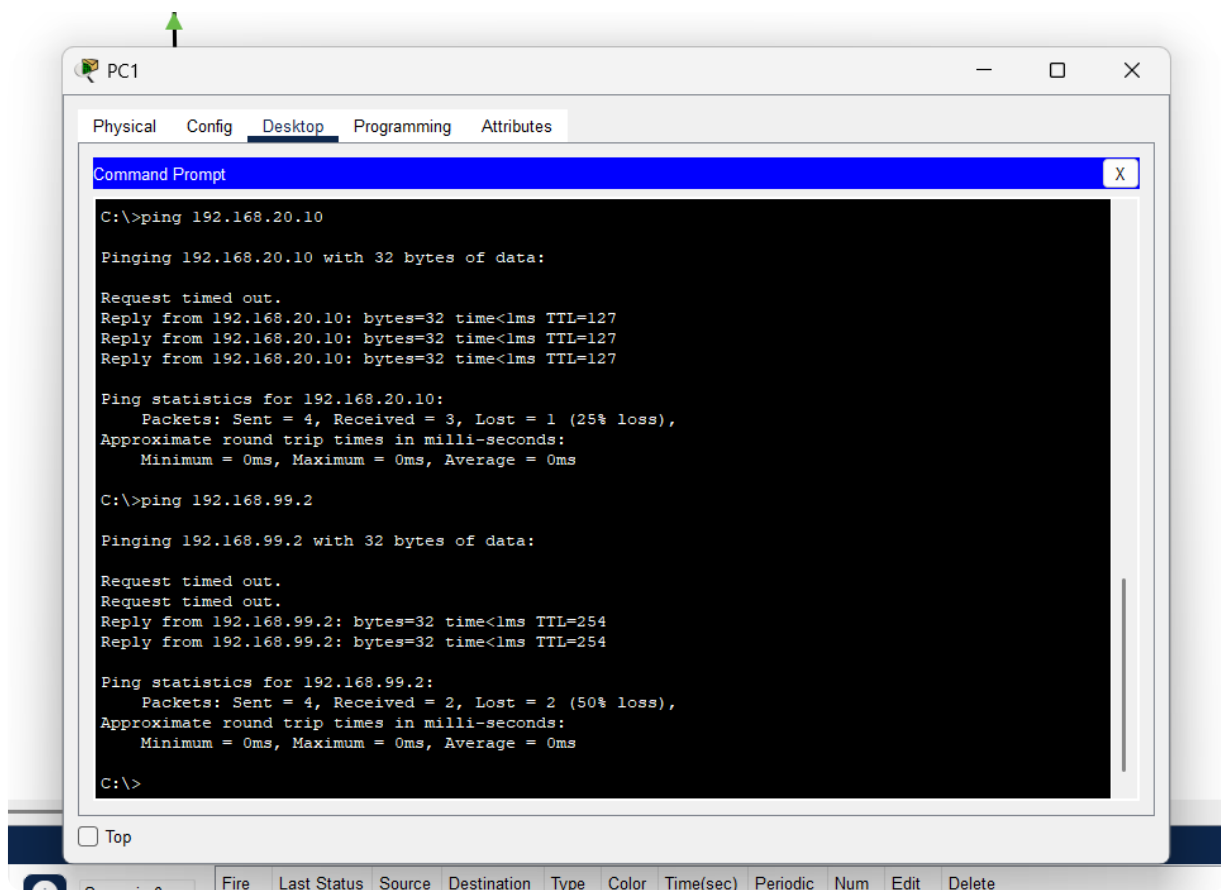
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 Scenario 0

Fire	Last Status	Source	Destination	Type	Color	Time(sec)	Periodic	Num	Edit	Delete
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%SYS-5-CONFIG_I: Configured from console by console

Switch#show interfaces trunk

Port	Mode	Encapsulation	Status	Native vlan
Fa0/1	on	802.1q	trunking	1
Fa0/5	on	802.1q	trunking	1

Port Vlans allowed on trunk

Fa0/1	1-1005
Fa0/5	1-1005

Port Vlans allowed and active in management domain

Fa0/1	1,10,20,99
Fa0/5	1,10,20,99

Port Vlans in spanning tree forwarding state and not pruned

Fa0/1	1,10,20,99
Fa0/5	1,10,20,99

Switch#

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