

LAB 10

ORIGINAL PC CONFIG

131.183.222.222

255.255.254.0

131.183.222.1

PORT CLINTON ROUTE TABLE

10.0.0.0/8 is variably subnetted, 6 subnets, 3 masks

S 10.0.0.0/13 [1/0] via 10.4.1.1

S 10.0.0.0/16 [1/0] via 10.4.1.1

C 10.2.0.0/16 is directly connected, GigabitEthernet0/0

L 10.2.1.1/32 is directly connected, GigabitEthernet0/0

C 10.4.0.0/16 is directly connected, GigabitEthernet0/1

L 10.4.1.2/32 is directly connected, GigabitEthernet0/1

ROUTER CONFIG

```
hostname Port_Clinton
```

```
!
```

```
boot-start-marker
```

```
boot-end-marker
```

```
!
```

```
!
```

```
no aaa new-model
```

```
!
```

```
no ipv6 cef
```

```
ip source-route
```

```
ip cef
```

```
!  
!  
!  
!  
multilink bundle-name authenticated  
!  
!  
!  
!  
license udi pid CISCO2911/K9 sn FTX1514AHF6  
!  
!  
!  
!  
!  
!  
!  
!  
!  
interface GigabitEthernet0/0  
  ip address 10.2.1.1 255.255.0.0  
  duplex auto  
  speed auto  
!  
interface GigabitEthernet0/1  
  ip address 10.4.1.2 255.255.0.0  
  duplex auto  
  speed auto  
!
```

```
interface GigabitEthernet0/2
ip address 10.5.1.1 255.255.0.0
duplex auto
speed auto
!
ip forward-protocol nd
!
no ip http server
no ip http secure-server
!
ip route 10.0.0.0 255.248.0.0 10.4.1.1
ip route 10.0.0.0 255.255.0.0 10.4.1.1
!
!
!
!
control-plane
!
!
line con 0
line aux 0
line vty 0 4
login
!
scheduler allocate 20000 1000
end
```

SWITCH CONFIG

hostname Port_Clinton

!

boot-start-marker

boot-end-marker

!

!

no aaa new-model

system mtu routing 1500

!

!

!

!

crypto pki trustpoint TP-self-signed-2911218432

enrollment selfsigned

subject-name cn=IOS-Self-Signed-Certificate-2911218432

revocation-check none

rsa-keypair TP-self-signed-2911218432

!

!

crypto pki certificate chain TP-self-signed-2911218432

certificate self-signed 01

3082022B 30820194 A0030201 02020101 300D0609 2A864886 F70D0101 05050030

31312F30 2D060355 04031326 494F532D 53656C66 2D536967 6E65642D 43657274

69666963 6174652D 32393131 32313834 3332301E 170D3933 30333031 30303031

30345A17 0D323030 31303130 30303030 305A3031 312F302D 06035504 03132649

4F532D53 656C662D 5369676E 65642D43 65727469 66696361 74652D32 39313132

31383433 3230819F 300D0609 2A864886 F70D0101 01050003 818D0030 81890281

8100B3A1 707FB816 F6AE52E1 E7D06299 CD7330E2 B684A8BE 7DF0FCC5 A0336839
EAC562CE 30E3EAA3 F36B78E3 CD1B434D A93973DA C6FEF505 5842D7C5 57397C03
8F63AA83 99E363B1 3D1C9D7B AD3E2C55 EECFFF7A 0BB443A2 26A3E32A 64DC4F90
D7DEA82A 4F2A03FE 353C1732 5F040357 96967A71 DAD8C6A0 4EFFA58C 2E305CD5
D8590203 010001A3 53305130 0F060355 1D130101 FF040530 030101FF 301F0603
551D2304 18301680 147342AC 157F0449 C7DA980C 6FF49A8A 74689B9D CF301D06
03551D0E 04160414 7342AC15 7F0449C7 DA980C6F F49A8A74 689B9DCF 300D0609
2A864886 F70D0101 05050003 818100A9 5C780BB4 ABFB2116 804AA48C 61EBA006
3DADFE9B 513BDC15 6053F32A 346CA186 76099648 ADFAE9F2 C0C57F32 283AE9CA
364798AD 6F61217E 1F1AC7B7 E76FCB49 E736D079 01521C7C 573A5AF1 485420C5
8BF1DDA9 6ECE7371 A67E77CC C87BE138 EC50E9F2 CEE8028E 90A517C7 F2C0BE61
FD3B1B53 16F5BE49 95D0D657 63E896

quit

!

!

!

!

!

spanning-tree mode pvst

spanning-tree extend system-id

!

vlan internal allocation policy ascending

!

!

!

!

!

interface FastEthernet0/1

```
!  
interface FastEthernet0/2  
!  
interface FastEthernet0/3  
!  
interface FastEthernet0/4  
!  
interface FastEthernet0/5  
!  
interface FastEthernet0/6  
!  
interface FastEthernet0/7  
!  
interface FastEthernet0/8  
!  
interface FastEthernet0/9  
!  
interface FastEthernet0/10  
!  
interface FastEthernet0/11  
!  
interface FastEthernet0/12  
!  
interface FastEthernet0/13  
!  
interface FastEthernet0/14  
!  
interface FastEthernet0/15
```

```
!  
interface FastEthernet0/16  
!  
interface FastEthernet0/17  
!  
interface FastEthernet0/18  
!  
interface FastEthernet0/19  
!  
interface FastEthernet0/20  
!  
interface FastEthernet0/21  
!  
interface FastEthernet0/22  
!  
interface FastEthernet0/23  
!  
interface FastEthernet0/24  
!  
interface GigabitEthernet0/1  
!  
interface GigabitEthernet0/2  
!  
interface Vlan1  
ip address 10.2.2.1 255.255.0.0  
no ip route-cache  
!  
ip default-gateway 10.2.1.1
```

```
ip http server
ip http secure-server
!
!
line con 0
line vty 0 4
  login
line vty 5 15
  login
!
end
```

NAPOLEAN PING

```
Pinging 10.1.3.1 with 32 bytes of data:
Reply from 10.1.3.1: bytes=32 time=1ms TTL=125
Reply from 10.1.3.1: bytes=32 time=1ms TTL=125
Reply from 10.1.3.1: bytes=32 time=1ms TTL=125
Reply from 10.1.3.1: bytes=32 time=1ms TTL=125
```

TOLEDO PING

```
Pinging 10.0.3.1 with 32 bytes of data:
Reply from 10.0.3.1: bytes=32 time=1ms TTL=126
Reply from 10.0.3.1: bytes=32 time=1ms TTL=126
Reply from 10.0.3.1: bytes=32 time=1ms TTL=126
Reply from 10.0.3.1: bytes=32 time<1ms TTL=126
```