Skills Integration Challenge:

Staff	— □	✕

Desktop Programming

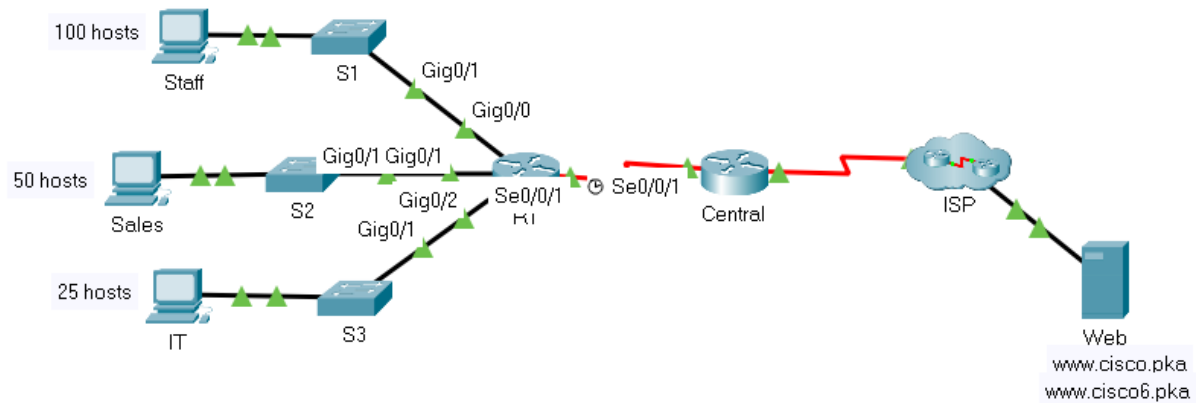**IP Configuration**   ✕

Interface   FastEthernet0   ⌄

IP Configuration

◯ DHCP   ◉ Static

IPv4 Address   192.168.0.3

Subnet Mask   255.255.255.128

Default Gateway   192.168.0.1

DNS Server   64.100.0.2

IPv6 Configuration

◯ Automatic   ◉ Static

IPv6 Address   2001:DB8:ACAD::2   / 64

Link Local Address FE80::2

Default Gateway   FE80::1

DNS Server   2001:DB8:CAFE::2

Sales — □ ✕

Desktop Programming

IP Configuration ✕

Interface	FastEthernet0 ▼

IP Configuration

○ DHCP   ◉ Static

IPv4 Address	192.168.0.131
Subnet Mask	255.255.255.192
Default Gateway	192.168.0.129
DNS Server	64.100.0.2

IPv6 Configuration

○ Automatic   ◉ Static

IPv6 Address	2001:DB8:ACAD:1::2	/ 64
Link Local Address	FE80::2	
Default Gateway	FE80::1	
DNS Server	2001:DB8:CAFE::2	

IT — □ ✕

Desktop Programming

IP Configuration ✕

Interface	FastEthernet0 ▼

IP Configuration

○ DHCP   ◉ Static

IPv4 Address	192.168.0.195
Subnet Mask	255.255.255.224
Default Gateway	192.168.0.193
DNS Server	64.100.0.2

IPv6 Configuration

○ Automatic   ◉ Static

IPv6 Address	2001:DB8:ACAD:2::2	/ 64
Link Local Address	FE80::2	
Default Gateway	FE80::1	
DNS Server	2001:DB8:CAFE::2	

For S1:

Switch>en

Switch#conf t

Switch(config)#hostname S1

S2(config)#no ip domain-lookup

S1(config)#interface vlan 1

S1(config-if)#ip address 192.168.0.2 255.255.255.128

S1(config-if)#no sh

S1(config-if)#exit

S1(config)#enable secret Ciscoenpa55

S1(config)#line con 0

S1(config-line)#password Ciscoconpa55

S1(config-line)#login

S1(config-line)#exit

S1(config)#service password-encryption

S1(config)#line vty 0 15

S1(config-line)#exec-timeout 5

S1(config-line)#exit

S1(config)#line con 0

S1(config-line)#exec-timeout 5

S1(config-line)#exit

S1(config)#ip default-gateway 192.168.0.1

S1(config-if)#do wr m

Building configuration...

[OK]

For S2:

Switch>en

Switch#conf t

Switch(config)#hostname S2

S2(config)#enable secret Ciscoenpa55

S2(config)#int vlan 1

S2(config-if)#ip address 192.168.0.130 255.255.255.192

S2(config-if)#no sh

S2(config-if)#exit

S2(config)#line con 0

S2(config-line)#password Ciscoconpa55

S2(config-line)#login

S2(config-line)#exit

S2(config)#line con 0

S2(config-line)#exec-timeout 5

S2(config-line)#exit

S2(config)#line vty 0 15

S2(config-line)#exec-timeout 5

S2(config-line)#exit

S2(config)#service password-encryption

S2(config)#no ip domain-lookup

S2(config)#ip default-gateway 192.168.0.129

S2(config)#do wr m

For S3:

Switch>en

Switch#conf t

Switch(config)#hostname S3

S3(config)#enable secret Ciscoenpa55

S3(config)#line con 0

S3(config-line)#password Ciscoconpa55

S3(config-line)#login

S3(config-line)#exec-timeout 5

S3(config-line)#exit

S3(config)#line vty 0 15

S3(config-line)#exec-timeout 5

S3(config-line)#int vlan 1

S3(config-if)#ip address 192.168.0.194 255.255.255.224

S3(config-if)#no sh

S3(config-if)#exit

S3(config)#service password-encryption

S3(config)#no ip domain-lookup

S3(config)#ip default-gateway 192.168.0.193

S3(config)#do wr m

Building configuration...

[OK]

For R1:

Router>en

Router#conf t

Router(config)#hostname R1

R1(config)#enable secret Ciscoenpa55

R1(config)#security passwords min-length 10

R1(config)#service password-encryption

R1(config)#banner motd %Authorized Access Only%

R1(config)#ipv6 unicast-routin

R1(config)#int g0/0

R1(config-if)#ip address 192.168.0.1 255.255.255.128

R1(config-if)#ipv6 address 2001:db8:acad::1/64

R1(config-if)#ipv6 address fe80::1 link-local

R1(config-if)#no sh

R1(config-if)#exit

R1(config-if)#int g0/1

R1(config-if)#ip address 192.168.0.129 255.255.255.192

R1(config-if)#ipv6 address 2001:db8:acad:1::1/64

R1(config-if)#ipv6 address fe80::1 link-local

R1(config-if)#no sh

R1(config-if)#exit

R1(config)#int g0/2

R1(config-if)#ip address 192.168.0.193 255.255.255.224

R1(config-if)#ipv6 address 2001:db8:acad:2::1/64

R1(config-if)#ipv6 address fe80::1 link-local

R1(config-if)#no sh

R1(config-if)#exit

```
R1(config)#int s0/0/0

R1(config-if)#ip address 209.165.200.226 255.255.255.252

R1(config-if)#ipv6 address 2001:db8:1::1/64

R1(config-if)#ipv6 address fe80::2 link-local

R1(config-if)#no sh

R1(config-line)#exit


R1(config)#int s0/0/1

R1(config-if)#ip address 172.16.1.1 255.255.255.252

R1(config-if)#ipv6 address 2001:db8:2::2/64

R1(config-if)#ipv6 address fe80::2 link-local

R1(config-if)#no sh

R1(config-if)#exit


R1(config)#username Admin1 privilege 15 secret Admin1pa55


R1(config)#line vty 0 15

R1(config-line)#transport input ssh

R1(config-line)#login local

R1(config-line)#exec-timeout 5

R1(config-line)#exit


R1(config)#line con 0

R1(config-line)#password Ciscoconpa55

R1(config-line)#login

R1(config-line)#exec-timeout 5

R1(config-line)#exit


R1(config)#no ip domain-lookup

R1(config)#ip domain-name CCNA-lab.com

How many bits in the modulus [512]: 1024
```

R1(config)#login block-for 180 attempts 4 within 120

R1(config)#do wr m

Building configuration...

[OK]

Pkt file: Module1_17.8.2