

Router R1

```
enable
configure terminal
no ip domain lookup
hostname R1
banner motd #Unaut horized Access is Prohib ited#
line console 0
password ciscoc onpass
login
exit
enable secret ciscoe npass
service passwo rd- enc ryption
security passwords min-length 10
username admin secret adminlpass
ip domain name ccna-p tsa.com
crypto key generate rsa
1024
ip ssh version 2
line vty 0 15
login local
transport input ssh
exit
interface Loopback 0
descri ption Loopback
ip address 209.16 5.201.1 255.25 5.2 55.224
ipv6 address 2001:d b8: aca d:2 09: :1/64
ipv6 address fe80::1 link-local
exit
ipv6 unicas t-r outing
interface g0/0/1.2
encaps ulation dot1Q 2
descri ption Bikes
ip address 10.19.8.1 255.25 5.2 55.192
ipv6 address 2001:d b8: aca d:a ::1/64
ipv6 address fe80::1 link-local
interface g0/0/1.3
encaps ulation dot1Q 3
descri ption Trikes
ip address 10.19.8.65 255.25 5.2 55.224
ipv6 address 2001:d b8: aca d:b ::1/64
ipv6 address fe80::1 link-local
interface g0/0/1.4
encaps ulation dot1Q 4
descri ption Management
```

Router R1 (cont)

```
> ip address 10.19.8.97 255.255.255.248
ipv6 address 2001:db8:acad:c::1/64
ipv6 address fe80::1 link-local
interface g0/0/1.6
encapsulation dot1Q 6 native
description Native
interface g0/0/1
no shutdown
exit
ip route 0.0.0.0 0.0.0.0 loopback 0
ipv6 route ::0 loopback 0
ip dhcp excluded-address 10.19.8.1 10.19.8.52
ip dhcp pool CCNA-A
network 10.19.8.0 255.255.255.192
default-router 10.19.8.1
domain-name ccna-a.net
exit
ip dhcp excluded-address 10.19.8.65 10.19.8.84
ip dhcp pool CCNA-B
network 10.19.8.64 255.255.255.224
default-router 10.19.8.65
domain-name ccna-b.net
exit
```

Switch S1

```
enable
configure terminal
no ip domain lookup
hostname S1
banner motd #Unaut horized Access is Prohib -
itted!#
line console 0
password ciscoc onpass
login
exit
enable secret ciscoe npass
service passwo rd- enc ryption
username admin secret adminlpass
ip domain name ccna-p tsa.com
crypto key generate rsa
1024
ip ssh version 2
line vty 0 15
login local
transport input ssh
```

Switch S1 (cont)

```
> exit
interface vlan 4
ip address 10.19.8.98 255.255.255.248
description Management Interface
no shutdown
exit
ip default-gateway 10.19.8.97
vlan 2
name Bikes
vlan 3
name Trikes
vlan 4
name Management
vlan 5
name Parking
vlan 6
name Native
interface range f0/1-2
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 2,3,4,5,6
exit
interface f0/5
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 2,3,4,5,6
exit
interface range f0/1-2
channel-group 1 mode active
interface port-channel 1
exit
interface f0/6
description host
switchport mode access
switchport access vlan 2
switchport port-security
switchport port-security maximum 3
interface range f0/3-4, f0/7-24, g0/1-2
switchport mode access
switchport access vlan 5
description Unused Interfaces
shutdown
```

Switch S2

```
enable
configure terminal
no ip domain lookup
hostname S2
banner motd #Unaut horized Access is Prohib -
itted!#
line console 0
password ciscoc onpass
login
exit
enable secret ciscoe npass
service passwo rd- enc ryption
username admin secret adminlpass
ip domain name ccna-p tsa.com
crypto key generate rsa
1024
ip ssh version 2
line vty 0 15
login local
transport input ssh
exit
interface vlan 4
ip address 10.19.8.99 255.25 5.2 55.248
descri ption Management Interface
no shutdown
exit
ip defaul t-g ateway 10.19.8.97
vlan 2
name Bikes
vlan 3
name Trikes
vlan 4
name Management
vlan 5
name Parking
vlan 6
name Native
interface range f0/1-2
switchport mode trunk
switchport trunk native vlan 6
switchport trunk allowed vlan 2,3,4,5,6
exit
interface range f0/1-2
channe l-group 1 mode active
```



Switch S2 (cont)

```
> interface port-channel 1
exit
interface f0/18
switchport mode access
switchport access vlan 3
switchport port-security
switchport port-security maximum 3
interface range f0/3-17, f0/19-24, g0/1-2
switchport mode access
switchport access vlan 5
description Unused Interfaces
shutdown
```



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