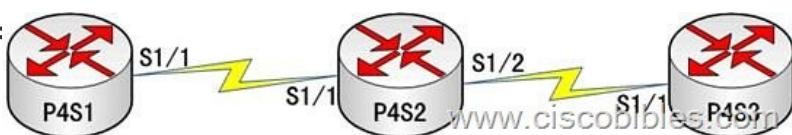


## CCNA ICND2 Lab 7 - Configure Static Route and Default Route

Lab Topology:



**Lab Requirements:** 1. The router names are **P4S1**, **P4S2** and **P4S3**. 2. Configure default routes on P4S1 and P4S3. 3.

Configure a static route on P4S2. **Lab Process:** 1. **Configure P4S1** Router>enable Router#configure terminal

```
Router(config)#hostname P4S1 P4S1(config)#interface s1/1 P4S1(config-if)#ip add 192.168.12.1 255.255.255.0
```

```
P4S1(config-if)#no shut P4S1(config-if)#interface loopback 0 P4S1(config-if)#ip add 1.1.1.1 255.255.255.0 2. Configure P4S2
```

```
Router>enable Router#configure terminal Router(config)#host P4S2 P4S2(config)#interface s1/1 P4S2(config-if)#ip add 192.168.12.2 255.255.255.0
```

```
P4S2(config-if)#no shut P4S2(config)#interface s1/2 P4S2(config-if)#ip add 192.168.23.2
```

```
255.255.255.0 P4S2(config-if)#no shut 3. Configure P4S3 Router>enable Router#configure terminal Router(config)#host P4S3
```

```
P4S3(config)#int s1/1 P4S3(config-if)#ip add 192.168.23.3 255.255.255.0 P4S3(config-if)#no shut P4S3(config)#interface
```

```
loopback 0 P4S3(config-if)#ip add 3.3.3.3 255.255.255.0 Configure default routes on P4S1 and P4S3 and a static route on P4S2.
```

```
P4S1 P4S1(config)#ip route 0.0.0.0 0.0.0.0 192.168.12.2 P4S3 P4S3(config)#ip route 0.0.0.0 0.0.0.0 192.168.23.2 P4S2
```

```
P4S2(config)#ip route 1.1.1.0 255.255.255.0 192.168.12.1 P4S2(config)#ip route 3.3.3.0 255.255.255.0 192.168.23.3
```

Authentication: Use the extended **ping** command on the P4S1 or P4S3 to test connectivity.