

PASS4SURE

Interconnecting Cisco Networking
Devices Part 2

Cisco CCNA – ICND2

CCNA study Package

640-816 LAB FASTRACK

Preparation Labs provide lab instructions, scenarios and tutorials, all technical support will be provided by Cisco.

**LAB
18**

NOTE: This lab manual is a joint fruit of Pass4sure and ciscosim. If you have any questions or suggestions, or want to exchange experience, please go to <http://www.ciscosim.net>

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Interconnecting Cisco Networking Devices Part 2

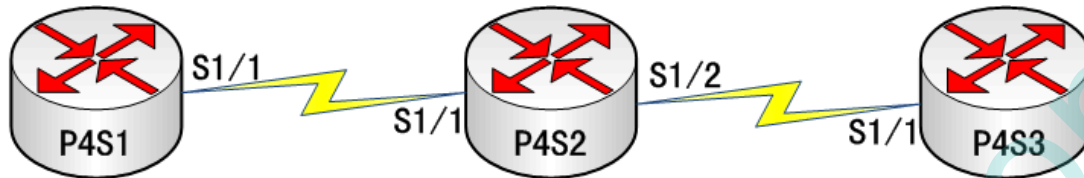
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CCNA ICND2 Lab 7

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.