7-3-2 靜態路由表設定(一)

網路架構

◆ 自治系統網路(一)_介面設定.pkg

◆ 路由表規劃
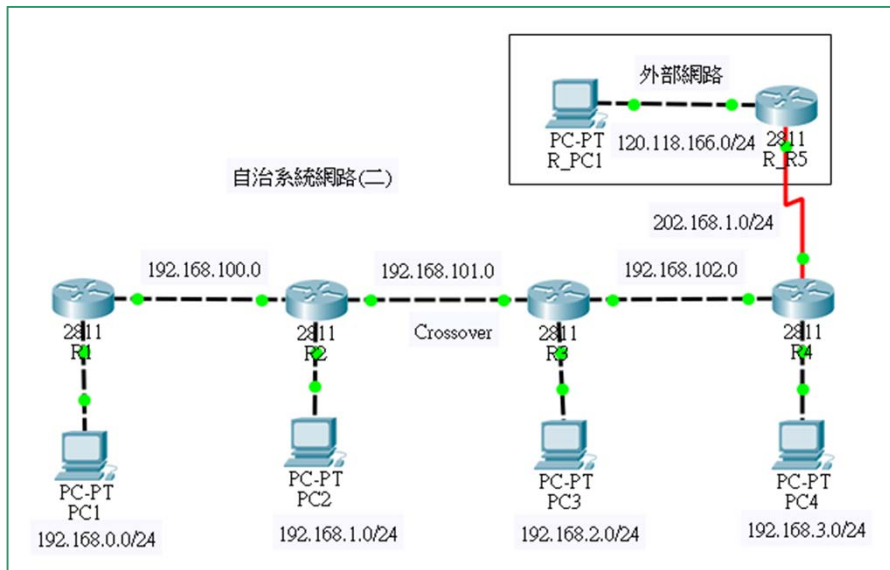
Router AD	Destination	Network Mask	Net Hop
R1	192.168.1.0	255.255.255.0	192.168.100.2
	192.168.2.0	255.255.255.0	192.168.100.2
	192.168.3.0	255.255.255.0	192.168.100.2
	0.0.0.0	0.0.0.0	192.168.100.2
R2	192.168.0.0	255.255.255.0	192.168.100.1
	192.168.2.0	255.255.255.0	192.168.101.2
	192.168.3.0	255.255.255.0	192.168.101.2
	0.0.0.0	0.0.0.0	192.168.101.2
R3	192.168.0.0	255.255.255.0	192.168.101.1
	192.168.1.0	255.255.255.0	192.168.101.1
	192.168.3.0	255.255.255.0	192.168.102.2
	0.0.0.0	0.0.0.0	192.168.102.2
R4	192.168.0.0	255.255.255.0	192.168.102.1
	192.168.1.0	255.255.255.0	192.168.102.1
	192.168.2.0	255.255.255.0	192.168.102.1
	0.0.0.0	0.0.0.0	202.168.1.2
R_R5	0.0.0.0	0.0.0.0	202.168.1.1

7-3-2 靜態路由表設定(二)

✳ **路由表設定**

```
R1(config)#ip routing
R1(config)#ip route 192.168.1.0 255.255.255.0 192.168.100.2
R1(config)#ip route 192.168.2.0 255.255.255.0 192.168.100.2
R1(config)#ip route 192.168.3.0 255.255.255.0 192.168.100.2
R1(config)#ip route 0.0.0.0 0.0.0.0 192.168.100.2
R1(config)#do show ip route
Gateway of last resort is 192.168.100.2 to network 0.0.0.0

C 192.168.0.0/24 is directly connected, FastEthernet1/0
S 192.168.1.0/24 [1/0] via 192.168.100.2
S 192.168.2.0/24 [1/0] via 192.168.100.2
S 192.168.3.0/24 [1/0] via 192.168.100.2
C 192.168.100.0/24 is directly connected, FastEthernet0/1
S* 0.0.0.0/0 [1/0] via 192.168.100.2
```

✳ **繞路測試**

◈ **自治系統網路(一)_靜態繞路設定.pkg**

◈ **PC1**

```
C:\>ping 192.168.1.1    [OK]
C:\>ping 192.168.2.1    [OK]
C:\>ping 192.168.3.1    [OK]
C:\>ping 120.118.166.1   [OK]
```

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