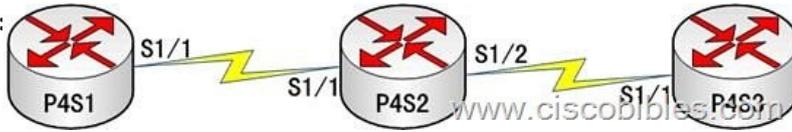


CCNA ICND2 Lab 7 - Configure Static Route and Default Route

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.