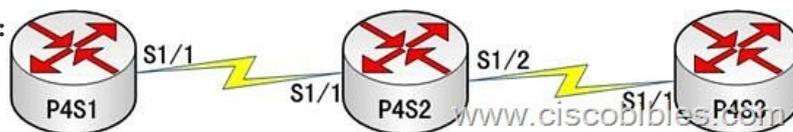# CCNA ICND2 Lab 3 - CDP Command Operations

Lab Topology:

Lab Requirements: 1. Router name: P4S1, P4S2, P4S3 2. Set **password** to **cisco**, **secret** to **cisco1**, and **vty** to **cisco**. All the passwords are required to be encrypted.   3. Configure all these routers. **Lab Process:** Configure Router 1. Router>enable Router#configure terminal   Router(config)#hostname P4S1   / *set router name* P4S1(config)#enable password cisco   / *set enable password* P4S1(config)#enable secret cisco1   / *set encryption password* P4S1(config)#line vty 0 4   / *set VTY line mode* P4S1(config-line)#login   / *set password authentication* P4S1(config-line)#password cisco   / *set line password* P4S1(config-line)#exit   P4S1(config)#service password-encryption   / *encrypt all the passwords globally* P4S1(config)#interface serial 1/1   / *enter the interface you want to configure* P4S1(config-if)#ip add 202.119.249.1 255.255.255.0   / *set the IP address of the interface* P4S1(config-if)#clock rate 64000   / *set the clock rate for the interface* P4S1(config-if)#no shutdown   / *activate the password* Configure Router 2 and Router 3 the similar way that Router 1 is configured. The IP addresses of these interfaces are different. Set the clock rate of the DCE end on every MAN link. After all these routers are configured, you can view information by using the following commands on Router 2. P4S2#show cdp   / *display CDP information* P4S2#show cdp neighbors   / *display summary information about CDP neighbors* P4S2#show cdp neighbors detail   / *display detailed information about CDP neighbors* P4S2#show cdp traffic   / *display information about CDP data packets* P4S2#show cdp entry *   / *display all the information about adjacent routers* P4S2#show cdp entry P4S1   / *display detailed information about adjacent routers*