### 

| **Device** | **Interface** | **Address** | **Subnet Mask** |
| --- | --- | --- | --- |
| **Room-145** | **VLAN 1** | **128.107.20.10** | **255.255.255.0** |
| **Room-146** | **VLAN 1** | **128.107.20.15** | **255.255.255.0** |
| **Manager** | **NIC** | **128.107.20.25** | **255.255.255.0** |
| **Reception** | **NIC** | **128.107.20.30** | **255.255.255.0** |

### 

### **Objectives**

* Configure hostnames and IP addresses on two Cisco Internetwork Operating System (IOS) switches using the command-line interface (CLI).
* Use Cisco IOS commands to specify or limit access to the device configurations.
* Use IOS commands to save the running configuration.
* Configure two host devices with IP addresses.
* Verify connectivity between the two PC end devices.

### **Scenario**

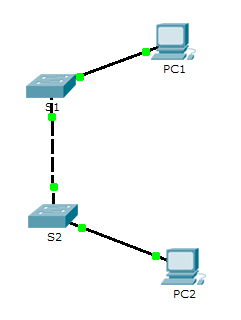
As a recently hired LAN technician, your network manager has asked you to demonstrate your ability to configure a small LAN. Your tasks include configuring initial settings on two switches using the Cisco IOS and configuring IP address parameters on host devices to provide end-to-end connectivity. You are to use two switches and two hosts/PCs on a cabled and powered network.

### **Instructions**

Configure the devices to fulfill the requirements below.

### **Requirements**

* = Use a console connection to access each switch.
* = Name Room-145 and Room-146 switches.
* = Use the xAw6k password for all lines.
* = Use the 6EBUp secret password.
* = Encrypt all clear text passwords.
* = Configure an appropriate message-of-the-day (MOTD) banner.
* = Configure addressing for all devices according to the Addressing Table.
* = Save your configurations.
* = Verify connectivity between all devices.
* *of*

****