# Packet Tracer - Basic Switch and End Device Configuration

## Addressing Table

| Device | Interface | IP 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.

**(config)# hostname Room-14**

## Instructions

Configure the devices to fulfill the requirements below.

**(config-line)# password xAw6k login**

**(config-line)# enable secret 6EBUp**

## Requirements

- Use a console connection to access each switch.
- Name **Room-14** 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.

**(config)# service password-encryption**

**(config)# banner motd "text"**

**(config)# interface vlan 1**

**(config-if)# ip address 128.107.20.10 255.255.255.0**

**# copy running-config startup-config**

**> ping 128.107.20.10**

**Note:** Click **Check Results** to see your progress. Click **Reset Activity** to generate a new set of requirements. If you click on this before you complete the activity, all configurations will be lost.