

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.

# 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 **R4Xe3**password for all lines.
* Use the **C4aJa** 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.

**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.