**Net 1060 Introduction to Networks Lab: # 2.9.1**

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**Follow the instructions down below for the lab itself. For this lab, all answers need to be in blue font. For the questions right below, answer in complete sentences. Ensure you paste the screen shot of your score page at the bottom of the document. Even if this does not let you see your grade, still take a screen shot of the score page showing congratulations “your name” you have completed the exercise is pasted at the bottom of this document. You will then need to upload both this word document and your packet tracer file to the assignments link within Netacad. Let the instructor know if you have any questions.**

***Lab Analysis Report***

1. Using complete sentences summarize work you completed during the lab.

I did basic device configuration on equipment and basic ip configuration on those devices.

2. Using complete sentences describe what you learned from the lab. Hint; look at the lab objectives listed at the top of the lab section.

I learned how to set up a small LAN network and configure the devise and their addresses.

***Problems Encountered***

1. Using complete sentences describe any problem(s) experienced during lab.

No problems

2. Using complete sentences describe how you solved your problem(s).

No problems

3. Using complete sentences explain if you needed any assistance with the lab; then list what you learned from that assistance.

No problems

Packet Tracer - Basic Switch and End Device Configuration

# Addressing Table

| Device | Interface | IP Address | Subnet Mask |
| --- | --- | --- | --- |
|  | VLAN 1 |  | 255.255.255.0 |
|  | VLAN 1 |  | 255.255.255.0 |
|  | NIC |  | 255.255.255.0 |
|  | NIC |  | 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 and switches.
* Use the password for all lines.
* Use the  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.

End of Document

Graphical user interface

Description automatically generated