# **7.3.7 Lab – View the Switch MAC Address Table**

Part 2: Examine the Switch MAC Address Table

1. What are the Ethernet adapter physical addresses?

Answer: PC-A MAC Address: 00-50-56-B3-27-D6.

PC-B MAC Address: 00-50-56-B3-FF-54.

1. S1 Fast Ethernet 0/1 MAC Address: 00d0.58e8.3201

S2 Fast Ethernet 0/1 MAC Address: 0040.0b25.5701

Step 2: Display the switch MAC address table

1. Are there any MAC addresses recorded in the MAC address table?

Изображение выглядит как стол

Автоматически созданное описание

2. Does the MAC address table have any addresses in it for VLAN 1? Are there other MAC addresses listed?

Answer: No. The student will most likely discover that the MAC address for the other switch’s F0/1 switch port has been quickly reinserted in the MAC address table.

What might be some of the challenges on larger networks?

Answer: ARP broadcasts could cause broadcast storms. Because ARP and switch MAC tables do not authenticate or validate the IP addresses to MAC addresses it would be easy to spoof a device on the network.