

**Were the pings successful? Explain.**

No, as we have not configured the switch yet

**Were the pings successful?**

Yes

**What is the OUI portion of the MAC address for this device?**

5C-26-0A

**What is the serial number portion of the MAC address for this device?**

24-2A-60

**Using the example above, find the name of the vendor that manufactured this NIC**

Dell Inc.

**Identify the serial number portion of the MAC address for the NIC of PC-A**

86.01E0

**Identify the name of the vendor that manufactured the NIC of PC-A**

Cisco Systems Inc.

**What is the MAC address for VLAN1 on S1?**

00d0.ff92.2417

**What is the MAC serial number for VLAN1?**

92.2417

**What does BIA stand for?**

Burned In Address

**Why does the output show the same MAC address twice?**

To show the showing MAC address and the BIA address

**What Layer 2 addresses are displayed on S1?**

IP - 192.168.1.2    MAC - 00D0.FF92.2417

**What Layer 3 addresses are displayed on S1?**

**IP** - 192.168.1.3   **MAC** - 0060.3E86.01E0

**Did the switch display the MAC address of PC-A? If you answered yes, what port was it on?**

No

**Why would you need to know the MAC address of a device?**

My high school registered your devices MAC address as a way of verifying that the device is yours and they are able to see it somewhere on the Wi-Fi things (very technical terms). But since a MAC address is specific to YOUR device, they are able to find it and make sure that they have the right one.