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Project 9-2: Substitute a MAC Address Using SMAC

Although MAC address filters are often relied upon to prevent unauthorized users from accessing a wireless LAN, MAC addresses can easily be spoofed.

In this project, you will substitute a MAC address.

1. Open your web browser and enter the URL www.klcconsulting.net/smac.

The location of content on the Internet may change without warning.

If you are no longer able to access the program through the above

URL, use a search engine and search for "KLC Consulting SMAC".

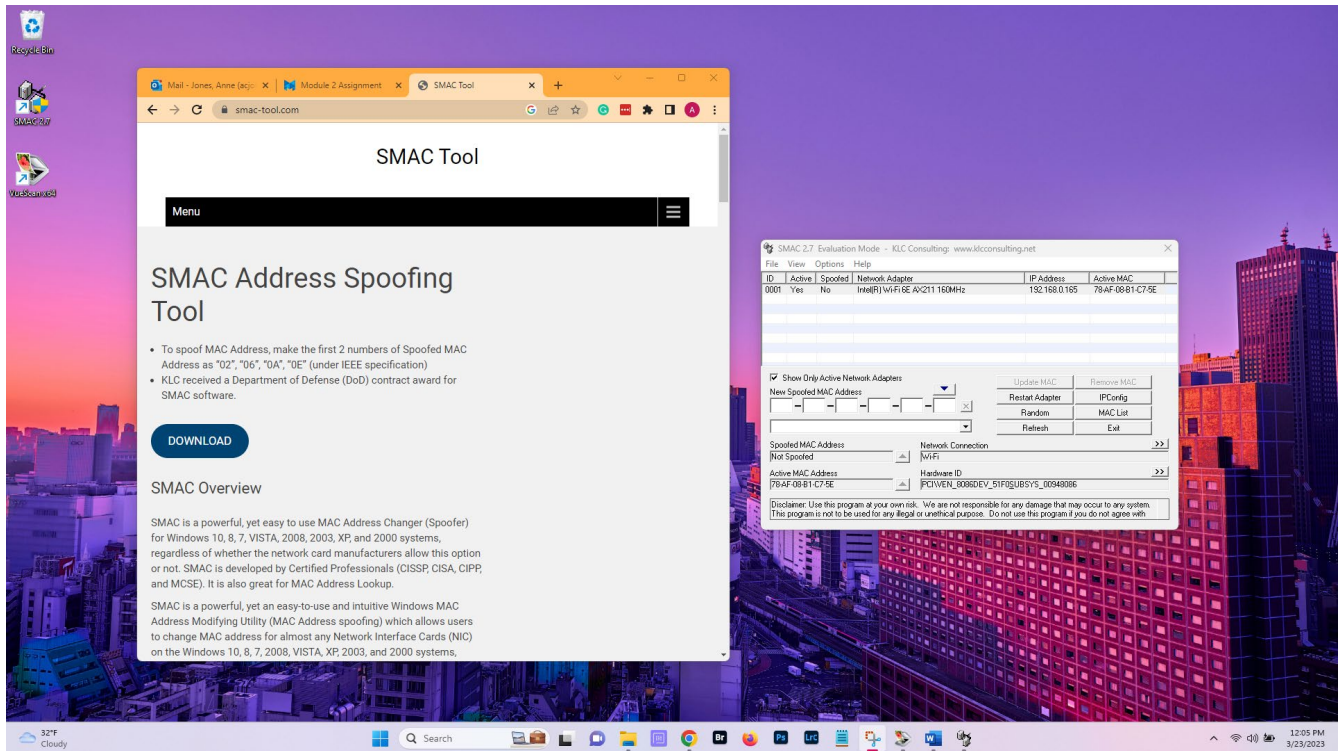
2. Scroll down to FREE Download – SMAC 2.0.
3. Click Download Site 3.
4. When the file finishes downloading, run the program and follow the default installation procedures.
5. Click Finish to launch SMAC and accept the license agreement.
6. When prompted for a Registration ID, click Proceed. SMAC displays the network interface card adapters that it discovers, as seen in Figure 9-11.

If the message SMAC has determined that you have insufficient registry access appears, close the SMAC application if necessary.

Single click on the SMAC icon and then click the right mouse button. Click Run as administrator.

7. If there are multiple network interface card adapters listed, click on each adapter. Does the Active MAC Address change? Why?

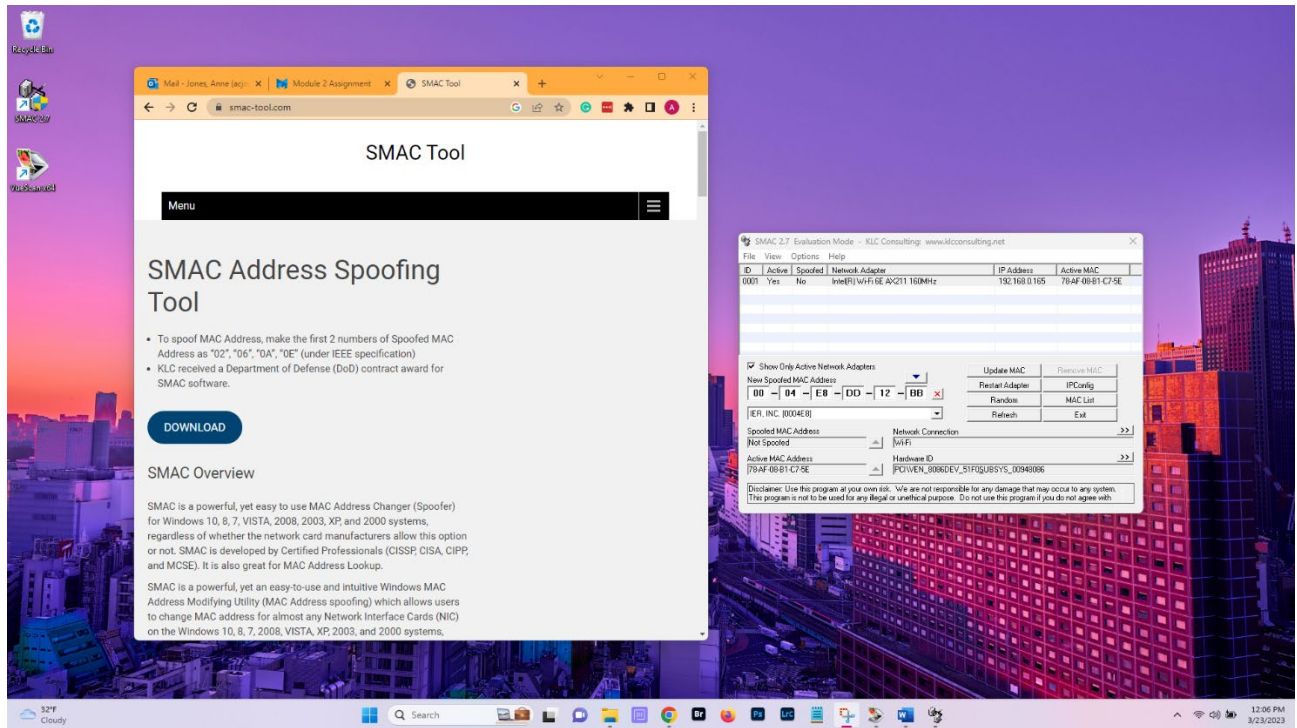
Paste a screen capture below this line of the previous results.



8. Click on a network adapter and then click the Random button to change the MAC address. It is displayed in the New Spoofed MAC Address.

9. Click the Random button to create a new MAC address.

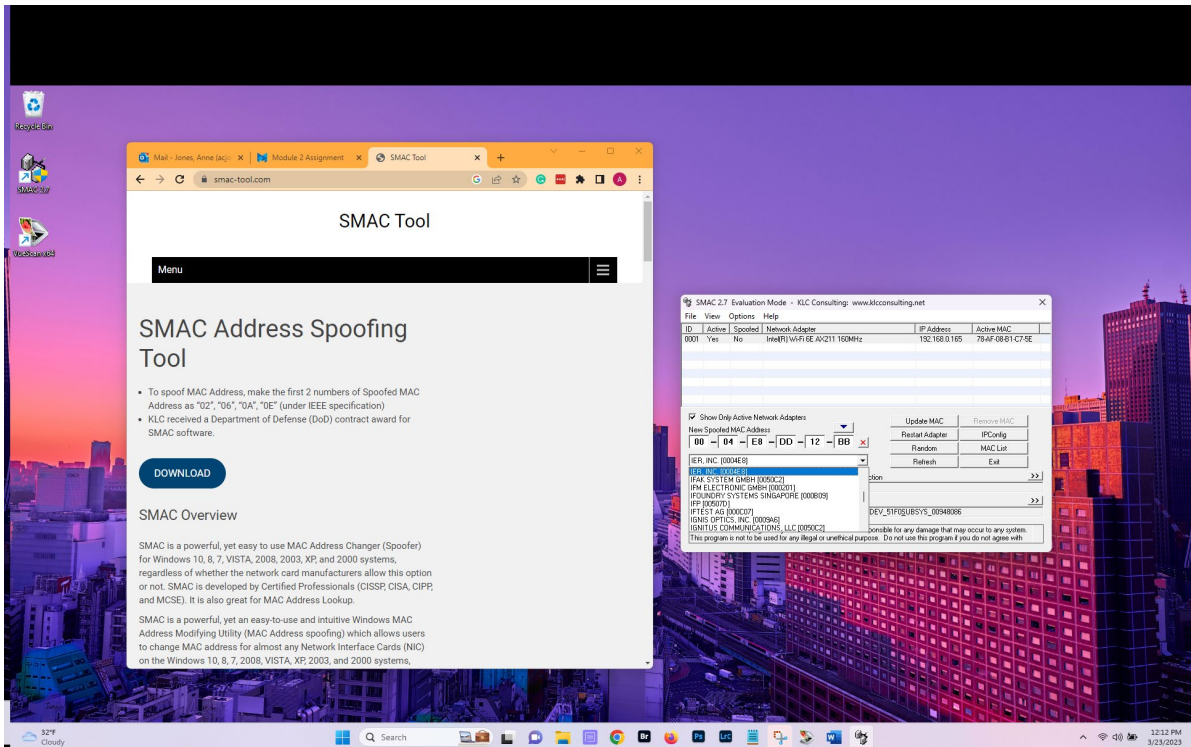
Paste a screen capture below this line of the previous results.



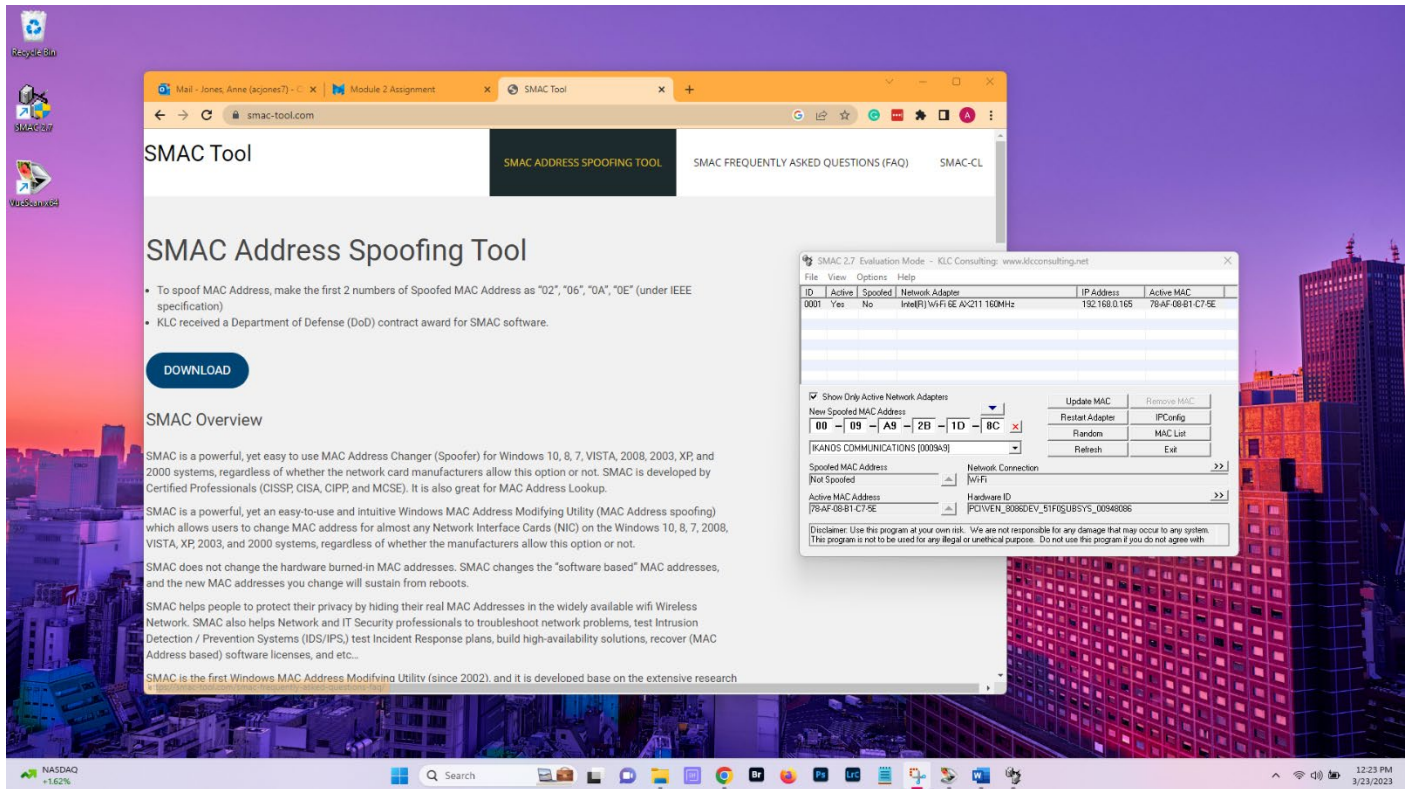
10. Click the down arrow under the New Spoofed MAC Address to view the manufacturer associated with this OUI.

11. Does the OUI change? Yes, the OUI changes when you change the manufacturer but the Vendor Code (first the number fields) does not change when you select random, only the serial number (last 3 number fields) changes.

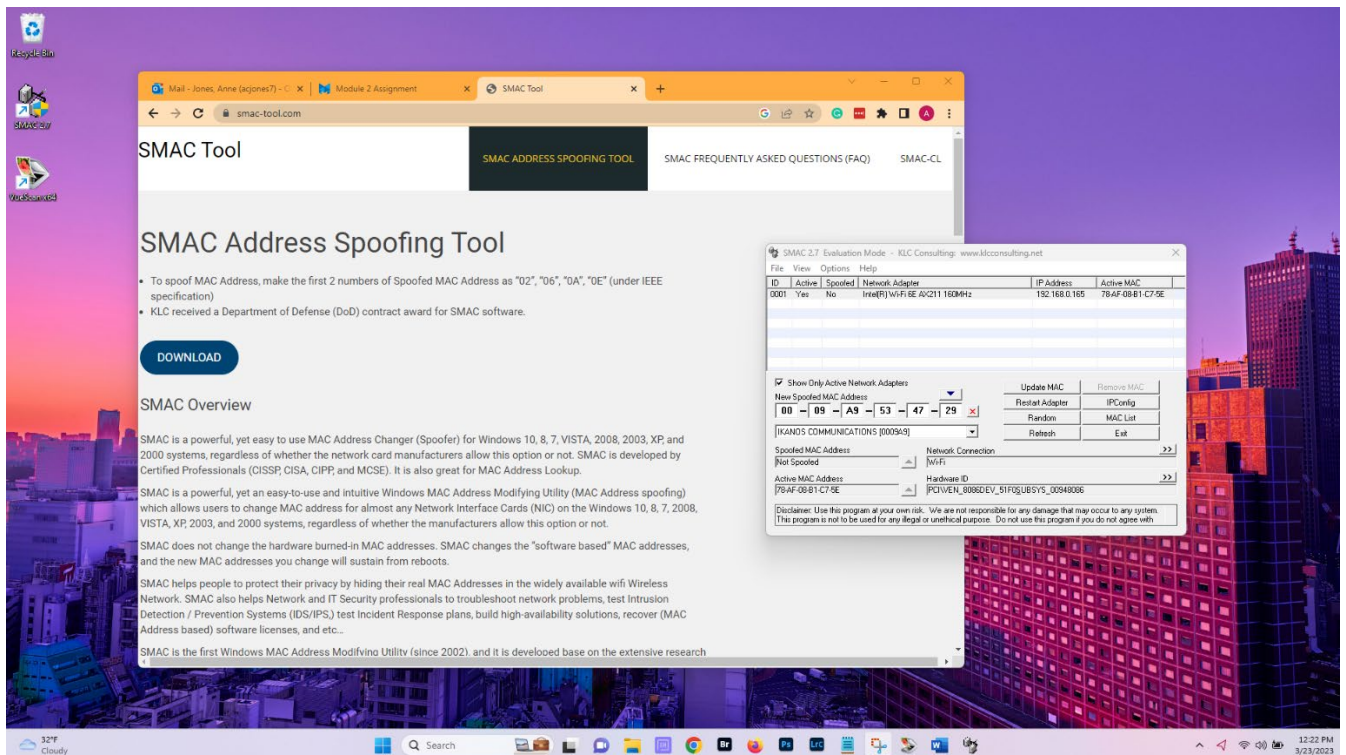
Paste a screen capture below this line of the previous results.



12. Click the down arrow under the New Spoofed MAC Address to view the manufacturers again. Select a different manufacturer. What happens to the OUI? The OUI changes when you change the manufacturer.



13. Click the Random button several more times to create new MAC addresses based on this manufacturer.



Because this is an Evaluation mode copy of SMAC, you are not able to actually change the MAC address. In the Full Feature mode, you would click on Update MAC as the next step.

14. Close all windows.

15. To reenale your original MAC, launch SMAC and then click Remove MAC.

16. Reboot the computer.