

Real-World Scenario 9-4: Enabling MAC Filtering

Scenario: As part of a wireless device security plan, you decide to enable MAC filtering on the client's WAP. Your task is to allow access to only specific MAC addresses for three Windows computers, a Linux computer, and a Mac computer. Explain how you would find out the MAC addresses for those computers, and give an example of a MAC address. Then, describe how MAC filtering can be enabled given this setting.

Real-World Scenario 9-4 Solution

MAC addresses are groups of six hexadecimal numbers, separated by hyphens or colons.

Example: 00-1C-C0-A1-54-1B

Find out the MAC address of a Windows computer by accessing the Command Prompt and typing **ipconfig /all**.

Find out the MAC address of a Linux or Mac computer by opening the Terminal and typing **ifconfig**.

Write down all MAC addresses that are to be given access to the WAP. Then, access the WAP's firmware, usually from your web browser.

NOTE Consider a secure web browser such as Firefox when doing this type of work. Regardless, make sure the browser is updated, and verify that no one is attempting to shoulder surf your computer while you access the WAP!

Access the MAC filter configuration area (sometimes also called *network filter*). Select the Allow Only These Computers option or a similar name. Add each individual MAC address and save the settings. Then test the system to make sure the computers in question can access the wireless network.

Video Solution: Watch the video solution "9-4: Enabling MAC Filtering."