

9.5 Lab: Spoof MAC Addresses with SMAC

Candidate: COMPTIA COMPTIA ()

Time Spent: 00:59

Score: 0%

Task Summary

Required Actions and Questions

✗ Use ipconfig /all on Office2 to get the IP and MAC addresses

✗ Q1: What is the MAC address of the Ethernet card in Office2?

Your answer:

Correct answer: 00:00:55:55:44:16

✗ Q2: Which IPv4 address has been assigned to the Ethernet card in Office2?

Your answer:

Correct answer: 192.168.0.33

✗ Q3: What is the MAC address of the Ethernet card in ITAdmin?

Your answer:

Correct answer: 00:00:55:55:44:14

✗ Q4: Which IPv4 address has been assigned to the Ethernet card in ITAdmin?

Your answer:

Correct answer: 192.168.0.31

✗ Spoof the MAC address of ITAdmin

✗ Verify the IP address on ITAdmin

✗ Q5: Does the IPv4 address and the MAC address of ITAdmin match the same addresses in Office2?

Your answer:

Correct answer: Yes

Explanation

Complete this lab as follows:

1. Find the MAC and IP addresses assigned to the Ethernet card in Office2.
 - a. Right-click **Start** and then select **Terminal (Admin)**.
 - b. From the prompt, type **ipconfig /all** and press **Enter**.

- c. From the top right, select **Questions**.
 - d. Answer Questions 1 and 2.
 - e. Minimize the Lab Questions dialog.
2. Find the MAC and IP addresses assigned to the Ethernet card in ITAdmin.
- a. From the top left, select **Floor 1 Overview**.
 - b. Under IT Administration, select **ITAdmin**.
 - c. Right-click **Start** and then select **Windows PowerShell (Admin)**.
 - d. From the prompt, type **ipconfig /all** and press **Enter**.
 - e. From the top right, select **Questions**.
 - f. Answer Questions 3 and 4.
 - g. Minimize the Lab Questions dialog.
3. Spoof the MAC address.
- a. In the Windows search bar, type **SMAC**.
 - b. Under *Best match*, right-click **SMAC** and select **Run as administrator** to open this app.
 - c. In the *New Spoofed Mac Address* field, type the **MAC address** assigned to Office2.
 - d. Select **Update MAC** of Ethernet card.
 - e. Select **OK** to confirm the adapter restart.
4. Renew the IP information for the ITAdmin computer.
- a. From the PowerShell prompt, type **ipconfig /renew** and press **Enter** to renew the IP address.
 - b. Type **ipconfig /all** to confirm that the MAC address and the IP address have been updated.
 - c. From the top right, select **Questions**.
 - d. Answer Question 5.