

Lab Report

Your Performance

Your Score: 4 of 4 (100%)

Elapsed Time: 15 minutes 3 seconds

Pass Status: Pass

Required Score: 100%

Task Summary**Required Actions & Questions**

- ✓ Use `cat /media/root/ESD-USB/file_name.txt` to display the password hashes contained in the file
- ✓ Use the `echo` command to create a new hash file that contains the Admin's NTLM hash
- ✓ Use John the Ripper to crack the password
- ✓ Q1What is the password found in the cracked SAM?
Your answer: P@55word!
Correct answer: P@55word!

Explanation

In this lab, your task is to crack the SAM passwords as follows:

- On Office 1, use **pwdump7** to export the contents of the SAM to SAMhash.txt.
- Copy the exported file to the thumb drive and move the thumb drive to the IT-Laptop computer.
- On IT-Laptop, crack the password using the **echo** and John the Ripper commands.

Complete this lab as follows:

1. Use **pwdump7** to create a text file containing the SAM password hashes and copy the new file to the thumb drive as follows:
 - a. From the recovery dialog, select **Troubleshoot**.
 - b. Select **Advanced options**.
 - c. Select **Command Prompt**.
 - d. Type **pwdump7 > SAMhash.txt** and press **Enter**.
 - e. Type **copy SAMhash.txt g:** and press **Enter**.
2. Move the thumb drive from Office 1 to the IT-Laptop computer as follows:
 - a. From the top navigation tabs, select **Office 1**.
 - b. Select the **USB Thumb Drive** plugged into the front of the computer.
 - c. Drag the **USB Thumb Drive** to the Shelf so you can access it later in the IT Administration office.
 - d. From the top navigation tabs, select **Floor 1 Overview**.
 - e. Under IT Administration, select **Hardware**.
 - f. Above IT-Laptop, select **Back** to switch to the back view of the laptop.
 - g. From the Shelf, drag the **USB Thumb Drive** to a USB port on the laptop computer.
 - h. Above IT-Laptop, select **Front** to switch to the front view of the laptop.
 - i. On the monitor, select **Click to view Linux**.
3. Create a new hash file that contains the hash to be cracked as follows:
 - a. From the Favorites bar, open Terminal.
 - b. Type **cat /media/root/ESD-USB/SAMhash.txt** and press **Enter**.
 - c. Type **echo**.
 - d. Press the space bar.
 - e. In the Admin line of the output, select the **hash** in the fourth field. Each field is separated by a colon. This is the hash value that needs to be cracked.
 - f. Right-click the **hash** in the fourth field of the Admin line.
Notice that the hash was pasted into the command line.
 - g. Press the space bar.
 - h. Type **> SAMhash.txt**.
 - i. Press **Enter**.
4. Use John the Ripper and the new hash file to crack the password as follows:
 - a. Type **john SAMhash.txt** and press **Enter**.

- b. From the output, find the *Admin's password*.
- c. In the top right, select **Answer Questions**.
- d. Answer the questions.
- e. Select **Score Lab**.