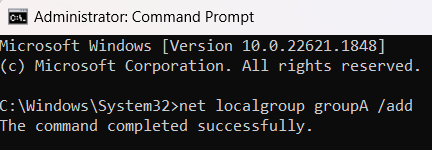
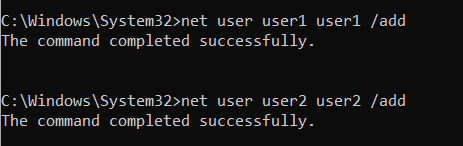
52100674\_TranThiVen

BT1: Trên windows

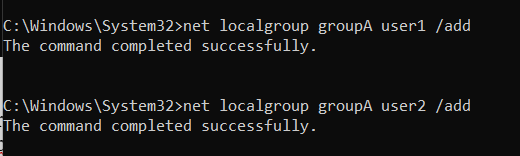
1. Tạo group "groupA"



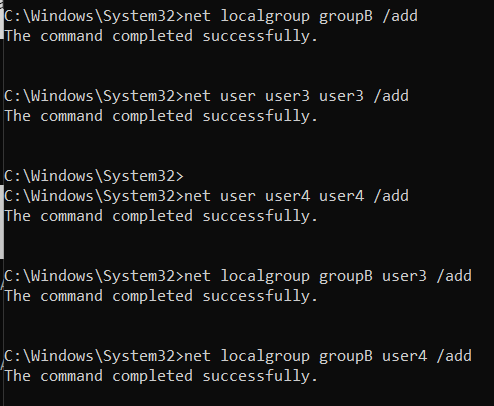
1. Tạo users "user1" và "user2" với pass trùng tên user



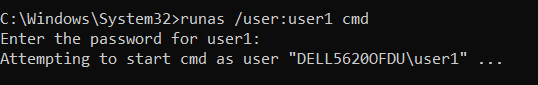
1. Thêm 2 user vừa tạo vào groupA

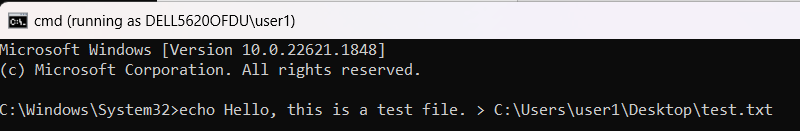


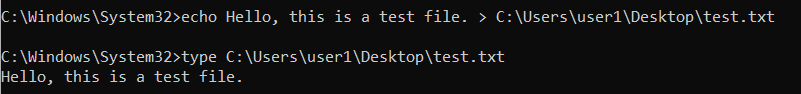
1. Tương tự tạo groupB và 2 user3 và user4 thuộc groupB.



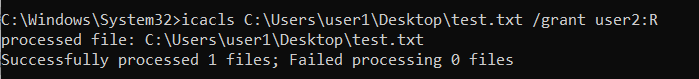
1. Đăng nhập user1 và tạo file tài liệu txt bất kỳ.



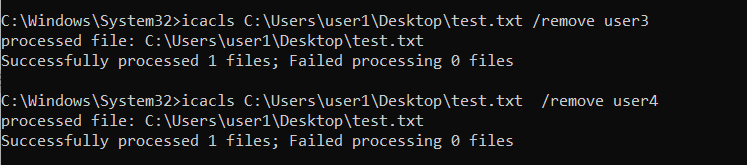




1. Phân quyền user2 chỉ đọc.



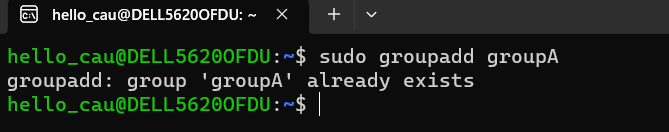
7. Hủy bỏ tât cả quyền của user3 và user4 đối với tệp txt



BT2: Thực hiện các yêu cầu như ở BT1 trên môi trường Ubuntu

Trên linux

1. Tạo group "groupA"



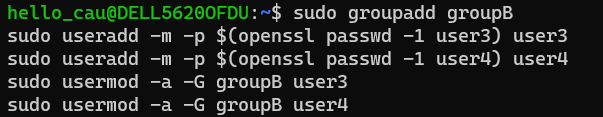
1. Tạo users "user1" và "user2" với pass trùng tên user

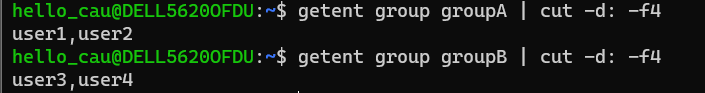


1. Thêm 2 user vừa tạo vào groupA



1. Tương tự tạo groupB và 2 user3 và user4 thuộc groupB.



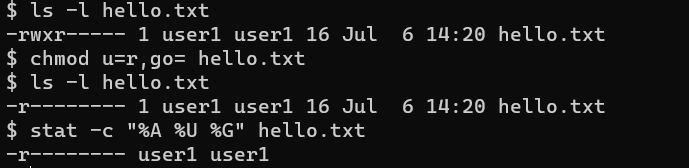


1. Đăng nhập user1 và tạo file tài liệu txt bất kỳ.

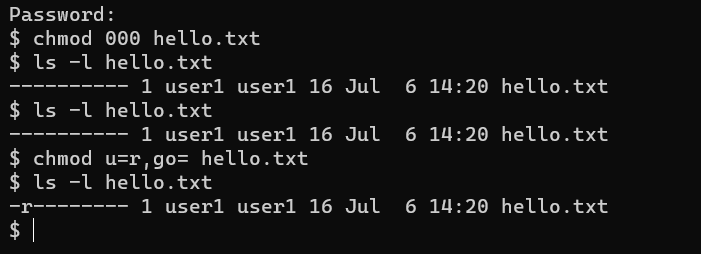
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1. Phân quyền user2 chỉ đọc



1. Hủy bỏ tât cả quyền của user3 và user4 đối với tệp txt bằng lệnh



BT3:

Lab – Password Cracking

1. Objectives

Use a password cracking tool to recover a user’s password.

1. Background / Scenario

There are four user accounts, Alice, Bob, Eve, and Eric, on a Linux system. You will recover these passwords using John the Ripper, an open source password cracking tool.

1. Required Resources

* PC with Ubuntu 16.04 Desktop LTS installed in a VirtualBox or VMware virtual machine.
  1. Open a terminal window in Ubuntu.
     1. Log in to Ubuntu using the following credentials:

User: **cisco**

Password: **password**



* + 1. Click on the terminal icon to open terminal.



* 1. Run John the Ripper.
     1. At the command prompt, enter the following command to change to the directory where John the Ripper is located:

cisco@ubuntu:~$ **cd ~/Downloads/john-1.8.0/run**

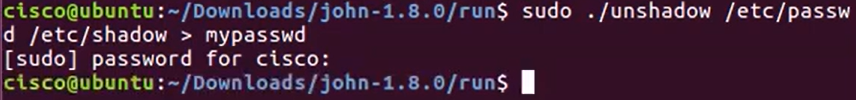
****

* + 1. At the command prompt, enter the following command :

cisco@ubuntu:~/Downloads/john-1.8.0/run$ **sudo ./unshadow /etc/passwd /etc/shadow > mypasswd**



This command will combine the /etc/passwd file where user accounts are stored, with the /etc/shadow file where user passwords are stored, into a new file called “mypasswd”.



* 1. Recover Passwords.
     1. Type the following command in terminal:

cisco@ubuntu:~/Downloads/john-1.8.0/run$ **./john --show mypasswd**



As shown above, there are no cracked passwords at this point.

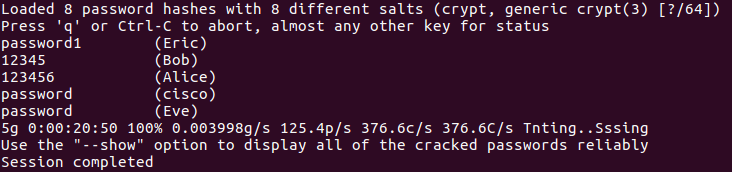
* + 1. At the command prompt, enter the following command:

cisco@ubuntu:~/Downloads/john-1.8.0/run$ **./john --wordlist=password.lst --rules mypasswd --format=crypt**



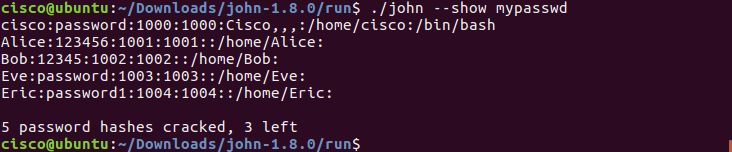
The program, John the Ripper, uses a predefined dictionary called **password.lst** with a standard set of predefined “rules” for handling the dictionary and retrieves all password hashes of both md5crypt and crypt type.

The results below display the passwords for each account.

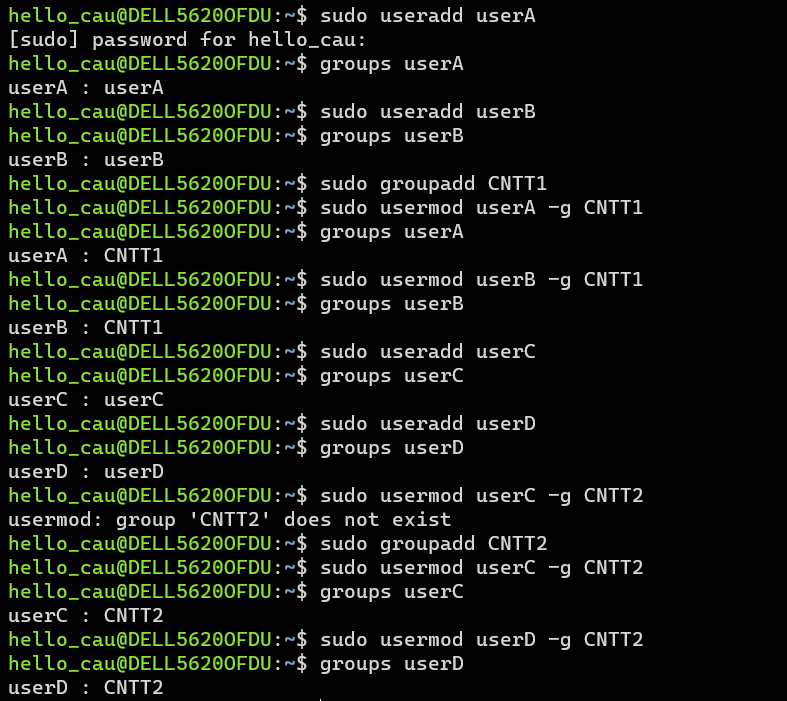


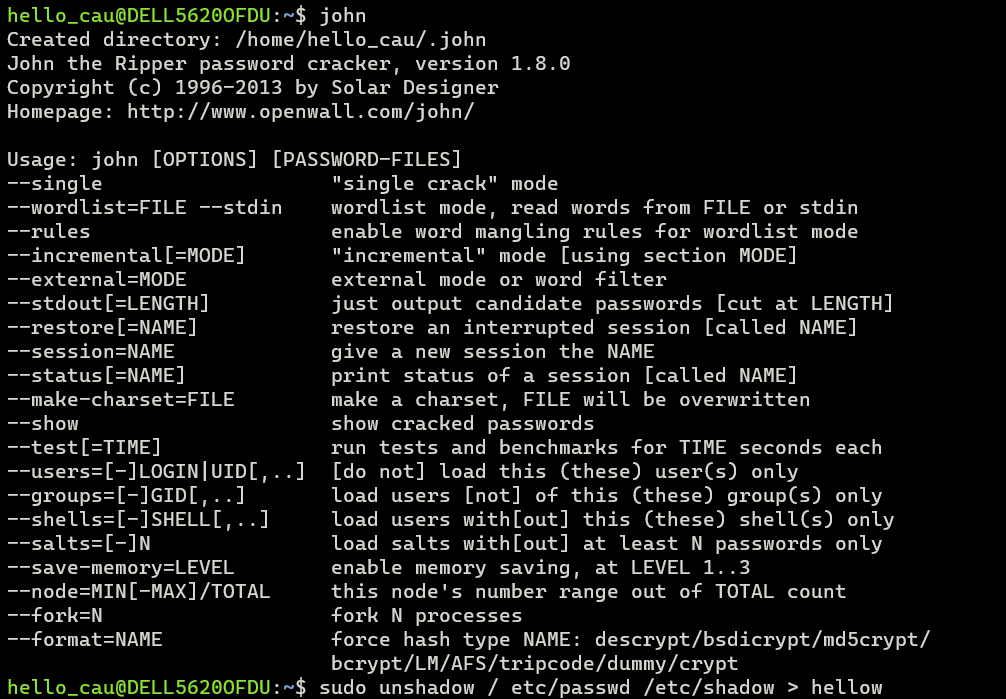
* + 1. At the command prompt, enter the following command:

cisco@ubuntu:~/Downloads/john-1.8.0/run$ **./john --show mypasswd**



How many passwords were cracked?





Em đã dùng sudo passwd <username> để set password để thử lại nhưng vẫn lỗi không thể hiện password được.



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**References**

John the Ripper: <http://www.openwall.com/john/>