

HOW TO CRACK PASSWORD LINUX MINT USING TOOLS JOHN THE RIPPER

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1. The First Step, Create A New User and Password with User ROOT : `adduser_renaldo`

Username : renaldo

Password : canon

```
root@ridho-One-Z1402:~# adduser renaldo
Adding user `renaldo' ...
Adding new group `renaldo' (1001) ...
Adding new user `renaldo' (1001) with group `renaldo' ...
The home directory `/home/renaldo' already exists. Not copying from `/etc/skel'.
adduser: Warning: The home directory `/home/renaldo' does not belong to the user you are currently creating.
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Changing the user information for renaldo
Enter the new value, or press ENTER for the default
  Full Name []:
  Room Number []:
  Work Phone []:
  Home Phone []:
  Other []:
Is the information correct? [Y/n] y
```

2. Seconds , Take the PASSWD file in the folder and *SHADOW*, then the file taken is put in the TMP folder with the file name *PASSWORD.TXT*.

```
sudo /usr/sbin/unshadow /etc/passwd /etc/shadow > /tmp/password.txt
```

```
root@ridho-One-Z1402:~# sudo /usr/sbin/unshadow /etc/passwd /etc/shadow > /tmp/password.txt
```

3. Third , The data that we have taken is processed by command :

```
john /tmp/password.txt
```

```
root@ridho-One-Z1402:~# john /tmp/password.txt
```

4. The encryption process was successful :

```
Loaded 2 password hashes with 2 different salts (crypt, generic crypt(3) [?/64])
Remaining 1 password hash
Press 'q' or Ctrl-C to abort, almost any other key for status
canon          (renaldo)
lg 0:00:00:15 100% 2/3 0.06402g/s 228.4p/s 228.4c/s 228.4C/s 10snel..normal
Use the "--show" option to display all of the cracked passwords reliably
Session completed
```

5. To display the user and password that was cracked, use this command :

```
john -show /tmp/password.txt
```

The result,

```
ridho:12345:1000:1000:ridho,,,:/home/ridho:/bin/bash
renaldo:canon:1001:1001:,,,:/home/renaldo:/bin/bash
2 password hashes cracked, 0 left
```

There are 2 users, the first user is what I use on the laptop and the second user is the user I just created to do the experiment.