Cracking Windows Passwords with John

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John The Ripper (JTR) is one of the most popular password cracking tools available in most Penetration testing Linux distributions like Kali Linux, Parrot OS, etc. The tool has a user-friendly command-line interface and the ability to crack most password hash types In this lesson, we are going to see how we can use John the Ripper to crack Windows Passwords



Scenorio

 You have physical access to a system which is password locked. The tool can be used to quickly crack the password

We are actually cracking the password and not bypassing it



Get the Hash from the SAM file

Step-2

Crack the hash with John



We need to have Kali Live boot USB

(Check the lecture "Kali Linux as a bootable USB

Drive")

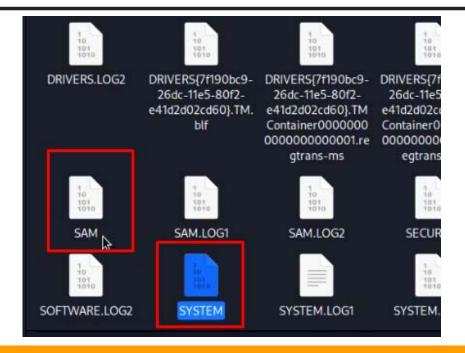
Boot from Kali Linux USB drive

Plug in USB to target PC and Boot from USB



Navigate to windows/system32/config folder and copy these files to Kali Desktop

SAM & SYSTEM



Now open the terminal on the desktop and dump the hashes with following command

Samdump2 SYSTEM SAM >hash.txt

Here:

- Samdump2 is the tool we are using
- Hash.txt will contain all hashes that we are aiming to crack

```
(kali@kali)-[~/Desktop]
samdump2 SYSTEM SAM >hash.txt
```

Crack password using john's inbuilt dictionary file

john -w hash.txt --format=NT

(Will use inbuilt dictionary)

- To use rockyou dictionary, un compress the file
- gunzip /usr/share/wordlists/rockyou.txt.gz
- Is /usr/share/wordlists/

```
(kali@kali)-[~]
$ gunzip /usr/share/wordlists/rockyou.txt.gz
```

```
(kali@kali)-[~]
$ ls /usr/share/wordlists/
dirb dirbuster fasttrack.txt fern-wifi metasploit nmap.lst rockyou.txt wfuzz
```

To use the rockyou.txt dictionary file

john -w="/usr/share/wordlists/rockyou.txt" hash.txt --format=NT

Here:

- /usr/share/wordlists/rockyou.txt is the dictionary
- Hash.txt is the hash, we are aiming to crack

To use the rockyou.txt dictionary file

john -w="/usr/share/wordlists/rockyou.txt" hash.txt --format=NT

Best Alternate Word lists Collections.

- √ https://weakpass.com/
- ✓ https://github.com/danielmiessler/SecLists/tree/master/Passwords/WiFi-WPA
- √ https://labs.nettitude.com/blog/rocktastic/
- √ https://github.com/kennyn510/wpa2-wordlists



THANKS