

EPICODE

CYBERSECURITY COURSE

BY MAX ALDROVANDI

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Web-site: <https://epicode.com/it>

Locality:

Via dei Magazzini Generali,
6 Roma, Lazio 00154, IT

ESERCIZIO PRATICO S6/L3

Traccia:

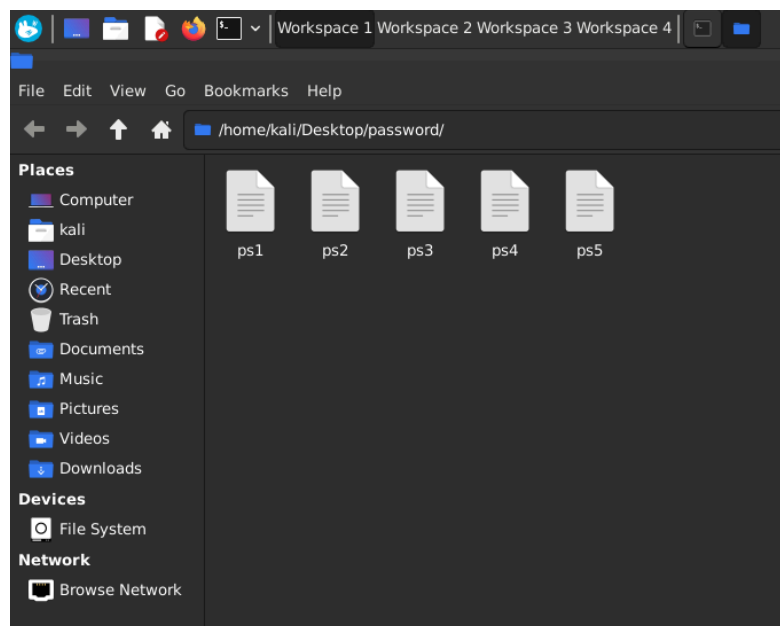
The objective of today's exercise is to crack all passwords written in HASH code.

The passwords to be cracked are as follows:

- 5f4dcc3b5aa765d61d8327deb882cf99
- e99a18c428cb38d5f260853678922e03
- 8d3533d75ae2c3966d7e0d4fcc69216b
- 0d107d09f5bbe40cade3de5c71e9e9b7
- 5f4dcc3b5aa765d61d8327deb882cf99

- Creation of files containing passwords

First we created text files containing passwords, in our case we decided to create a text file for each password so that we would be clear about which HASH code we were going to crack the password.



- John the Ripper

We then started the John the Ripper software with the command:

john --format=raw-md5 --incremental 'nome file'

and then we showed the passwords with the command:

john --show --format=raw-md5 'nome file'



```
kali@kali: ~/Desktop
File Actions Edit View Help
(kali@kali)-[~]
$ cd Desktop
(kali@kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps
Created directory: /home/kali/.john
Unknown option: "--format=raw-md5"

(kali@kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps
Using default input encoding: UTF-8
Loaded 4 password hashes with no different salts (Raw-MD5 [MD5 128/128 SSE2 4x3])
Warning: no OpenMP support for this hash type, consider --fork=2
Press 'q' or Ctrl-C to abort, almost any other key for status
abc123      (?)
charleyme   (?)
password    (?)
letmein     (?)
4g 0:00:00:01 DONE (2024-05-15 10:04) 3.361g/s 2146Kp/s 2146Kc/s 2519Kc/s letebru..letmish
Warning: passwords printed above might not be all those cracked
Use the "--show --format=Raw-MD5" options to display all of the cracked passwords reliably
Session completed.

(kali@kali)-[~/Desktop]
$ john --show --format=Raw-md5
Password files required, but none specified

(kali@kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps1
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali@kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps2
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali@kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps3
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali@kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps4
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali@kali)-[~/Desktop]
```

```
File Actions Edit View Help
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali㉿kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps3
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali㉿kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps4
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali㉿kali)-[~/Desktop]
$ john --format=raw-md5 --incremental ps5
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-MD5 [MD5 128/128 SSE2 4x3])
No password hashes left to crack (see FAQ)

(kali㉿kali)-[~/Desktop]
$ john --show --format=Raw-md5 ps1
?:password

1 password hash cracked, 0 left

(kali㉿kali)-[~/Desktop]
$ john --show --format=Raw-md5 ps2
?:abc123

1 password hash cracked, 0 left

(kali㉿kali)-[~/Desktop]
$ john --show --format=Raw-md5 ps3
?:charley

1 password hash cracked, 0 left

(kali㉿kali)-[~/Desktop]
$ john --show --format=Raw-md5 ps4
?:letmein

1 password hash cracked, 0 left

(kali㉿kali)-[~/Desktop]
$ john --show --format=Raw-md5 ps5
?:password

1 password hash cracked, 0 left
```