

To crypt or not to crypt

Description: Your friend says he loves to 'encrypt' his passwords. Fearing that you might crack it, he has decided not to tell you the hash function he used! Find his password to punish him for hiding his passwords from you!

Format: RM{the_password}

Type: Crypto

Level: Easy

En téléchargeant le fichier `encrypt.enc`, nous obtenons la chaîne de caractère suivante: `621ec23e9e9bc5a442c280eb8ff66e0c6a6d571f69c155bbc53015e1195feaae9c918be1507554c8efff680446f32eebff74d0d907e0fc239da947849b049811`

A l'aide d'outils simple et puissants, comme <https://crackstation.net/>, nous pouvons cracker le Hash

The screenshot shows the CrackStation website interface. At the top, there's a navigation bar with links like 'CrackStation', 'Password Hashing Security', and 'Defuse Security'. The main heading is 'Free Password Hash Cracker'. Below this, there's a text input area where the hash `621ec23e9e9bc5a442c280eb8ff66e0c6a6d571f69c155bbc53015e1195feaae9c918be1507554c8efff680446f32eebff74d0d907e0fc239da947849b049811` has been entered. To the right of the input is a reCAPTCHA widget with the text 'Je ne suis pas un robot'. Below the input area, there's a table showing the results of the crack:

Hash	Type	Result
621ec23e9e9bc5a442c280eb8ff66e0c6a6d571f69c155bbc53015e1195feaae9c918be1507554c8efff680446f32eebff74d0d907e0fc239da947849b049811	win10pool	p@ssw0rd!

Below the table, there's a section titled 'Download CrackStation's Wordlist' and another titled 'How CrackStation Works'. The 'How CrackStation Works' section explains that CrackStation uses massive pre-computed lookup tables to crack password hashes. It mentions that the tables store a mapping between the hash of a password and the correct password for that hash. It also states that the lookup tables were created by extracting every word from the Wikipedia databases and adding with every password list we could find. The section concludes by saying that you can download CrackStation's dictionaries [here](#), and the lookup table implementation (PHP and C) is available [here](#).

At the bottom of the page, there's a footer with the following information:

- Last Modified: May 27, 2019, 8:19am UTC
- Page Hits: 44495036
- Unique Hits: 8679752

The bottom of the screenshot shows a Windows taskbar with the search bar and several open applications.

Nous obtenons ainsi le password: `p@ssw0rd!`

Ainsi le flag est: `RM{p@ssw0rd!}`