

# NeverLAN CTF

## **Programming : password crack**

Value : 100 pts

Difficulty : Easy

Description : Your flag doesn't need to be in the normal flag{flagGoesHere} syntax.

Attachment : Another day, another CTF challenge.

This one should be super straight forward. Before you go on, go read this article:

<https://thehackernews.com/2019/10/unix-bsd-password-cracked.html>

Ok, did you read that article? Good. So your challenge is to crack a password. Just like Ken Thompson, our password will be in a 'known format'.

The format we'll use is: color-random\_year-neverlan\_team\_member's\_name. (all lowercase)

A sample password could be: red-1991-s7a73farm

Here's your hash: 267530778aa6585019c98985eeda255f. The hashformat is md5.

Useful Links: [https://hashcat.net/wiki/doku.php?id=combinator\\_attack](https://hashcat.net/wiki/doku.php?id=combinator_attack)

<https://hashcat.net/forum/thread-7571.html>

## **Solution :**

In this challenge, we need to crack the hash. Because the format is known, we'll start by creating our wordlists. We'll create three wordlists and combine them with hashcat utilities.

The first wordlist contains the most known colors, nearly 20 of them.

The second wordlist contains all of the years since 1960. If it is not enough, we can still go back in time.

Finally, the third is a wordlist with the names of the admin of this CTF. We can find 5 names on Discord: bashninja, n30, purvesta, zestye and s7a73farm.

```
C:\Users\Julien\Documents\hashcat-5.1.0>..\hashcat-utils-1.9\bin\combinator3.exe ..\colors.txt ..\years.txt ..\members.txt | hashcat
64.exe -m 0 ..\hash_neverlan.txt --show
267530778aa6585019c98985eeda255f:orange-1984-zestyfe
```

The password is orange-1984-zestyfe!

**flag{orange-1984-zestyfe}**