

Password Cracking Challenge 1

Challenge 102 Solves ×

Weekpass 25


Password Cracking


We are auditing the system and the effectiveness of our awareness program. Check if the user used a strong password. The flag must be submitted like (without quotes):
hilltopCTF{"password"}

Unlock Hint for 5 points

Unlock Hint for 5 points

Unlock Hint for 10 points

 passwd

 shadow

Flag

Submit

Answer: We are given a passwd and shadow file, this are common on linux systems. We are going to use johntheripper to crack this.

First we need to combine the two files. Command: `unshadow passwd shadow > PassCrack`

Second, let john crack it using the rockyou wordlist. Command: `john PassCrack --wordlist=rockyou.txt`

Finally we get our password. `hilltopCTF{welcome01}`

```
root@kali:/home/kali/Pictures# unshadow passwd shadow
hilltopctf:$6$EEL0x/CTU1qqliGn$1JsJGgAhcgUuRf/LUG0aRk3VRtxkzUSbyIryBsTyPXUGnU8BhXMha1ayRyryNZ6gH.AB0pL9PG/uW9U71WzUV0:1002:1002::/home/hilltopctf:/bin/sh
root@kali:/home/kali/Pictures# unshadow passwd shadow > PassCrack
root@kali:/home/kali/Pictures# john PassCrack --wordlist=rockyou.txt
Using default input encoding: UTF-8
Loaded 1 password hash (sha512crypt, crypt(3) $6$ [SHA512 128/128 AVX 2x]) 11
No password hashes left to crack (see FAQ)
root@kali:/home/kali/Pictures# john --show PassCrack
hilltopctf:welcome01:1002:1002::/home/hilltopctf:/bin/sh

1 password hash cracked, 0 left
root@kali:/home/kali/Pictures#
```