

Forum:[Hack Forums](#)

Thread: [Lowercase Digits in JTR? \[help me\]](#)

?Racer C'mon! - May 5, 2014, 1:38 pm

So, with John it tries about a million pass/sec on my computer trying to crack a Standard DES. So I run it in "incremental" mode because it's the best :3

So incremental mode tries the password with all kinds of different stuff like symbols, capitals here and there, and all that. So I want John to run incremental mode but only try lowercase letters and digits.

AND YES, I have checked out google, and the OpenWall website.

On [THIS](#) site it says the mode for lowercase-digits is

Quote:-i=lowernum But when I run

Quote:./john -i=lowernum mypassword.pwd I get the error

Quote:Unknown incremental mode: LowerNum

So how do I run incremental mode with only lowercase and digits?

And is it possible to run Lowercase-Digits with also Capital as the first letter only?

Best regards - Drac0nem

crazyycast13 - May 5, 2014, 2:06 pm

(May 5, 2014 01:38 PM)?Draconem Wrote: [\[CITE\]](#) So, with John it tries about a million pass/sec on my computer trying to crack a Standard DES. So I run it in "incremental" mode because it's the best :3

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Best regards - Drac0nem

Are we limited to JTR or are we allowed to use other dec programs?

Forezza - May 5, 2014, 2:17 pm

It's possible that your JTR doesn't have the right .chr files (charset files) which will allow you to use that mode. Read:

Quote:Some of the many .chr files needed by these pre-defined incremental modes might not be bundled with every version of John the Ripper, being available as a separate download.

You could either try download the community / jumbo versions and look for that specific .chr file.

Personally I would just use oclHashcat because it's far easier. With oclHashcat you can do the following:

```
Code oclHashcat64.exe -a 3 -m 1500 -o "output.txt" --outfile-format=3 --remove -1 ?l?u -i  
--increment-min=1 --increment-max=13 "hashfile.txt" ?1?2?3?4?5?6?7?8?9?A?B?C?D?
```

This would go through the full brute force of 13 characters (although in reality it's not likely that you would do this as it would take too long). It would also capitalise the first letter or use lowercase as well.

?Racer C'mon! - May 5, 2014, 2:29 pm

(May 5, 2014 02:17 PM)Forezza Wrote: [\[CITE\]](#) It's possible that your JTR doesn't have the right .chr files (charset files) which will allow you to use that mode. Read:

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Im quite sure hashcat can't crack Standard DES though :/

(May 5, 2014 02:06 PM)crazyycast13 Wrote: [\[CITE\]](#) Are we limited to JTR or are we allowed to use other dec programs?

Any thing that can crack Traditional DES Encryptions fast ;)

Forezza - May 5, 2014, 3:16 pm

(May 5, 2014 02:29 PM)?Draconem Wrote: [\[CITE\]](#) Im quite sure hashcat can't crack Standard DES though :/

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Pretty sure it can. Hash mode 1500 in hashcat does decrypt, DES(UNIX), and Traditional DES.

?Racer C'mon! - May 6, 2014, 8:15 am

(May 5, 2014 03:16 PM)Forezza Wrote: [\[CITE\]](#) Pretty sure it can. Hash mode 1500 in hashcat does decrypt, DES(UNIX), and Traditional DES.

alright but what is the $\frac{1}{2} \frac{1}{2} \frac{1}{2}$ in the end?

Do you need to have that input mode?

(First time using hashcat)

Kerberos - May 6, 2014, 8:21 am

(May 6, 2014 08:15 AM)?Draconem Wrote: [CITE](#) alright but what is the ?1?!?! in the end?

Do you need to have that input mode?

(First time using hashcat)

?l = loweralpha

?u = upperalpha

?d = decimal

?s = symbol

?a = all

so ?u?!?!?

would try UPPER in the first position and lower in the last 3, for a total of 4 characters.

-1 ?u?l makes the custom charset "1" contain both upper and loweralpha

so using ?1 = UPPER and lower

?1?1?1?1?1

would try all combinations of lower and upper characters with a length of 5.

https://hashcat.net/wiki/doku.php?id=mask_attack