



# MONTGOMERY COLLEGE

#MCCYBERLAB | CYBERLAB RAPTORS | HT230

## OBJECTIVE

Password Cracking Basics  
with Hashcat

## MATERIALS

Download and Use a virtual  
machine from [www.offensive-security.com](http://www.offensive-security.com)

For faster speed, Boot  
machine in Kali OS to use GPU  
high speed cracking. You can  
create bootable CD or USB at  
<https://rufus.akeo.ie>  
**(Not required to this activity!)**

## ACTIVITY

### PASSWORD CRACKING 1 • FILE LOCATION •

MC Cyber Center Website > Dropbox MCC PW > passwordcracking1.txt

Our officers have obtained password dumps storing hacker passwords. It appears that they are all in the format: "NCL-LTOX-" followed by 4 digits. Can you crack them?

```
49ab0454e4f02c1ae5c31badcea0f8e3668c7d04
88e74c3f5d52c195b562da93104ac35ebf4c7ba7
04baf8464ff00460a2e6614b7ddef1951a7a6c9e
ab1ee056a1e7f89f96f11c3d776e473f7de211b4
af71b5a47504bd08cd274c18df9bb3e251701bf2
```

I encourage you each to try and solve one line, you save it in your text file and navigate to that directory

Use 'ls' to see what files are in your current directory

Use cd 'Folder Name' to navigate to that folder, for example 'cd Desktop'

**Clue:** The password begins with NCL-LTOX- and end with 4 numbers. Can you use hashcat to guess the answer?

What is the command line you need to use with hashcat to get the answer?

Record your answer in a notebook and save it so you can refer back to it later!

## SUBMIT YOUR ANSWER

### HASHCAT COMMAND LINE • NOTES • EXPLANATION

Submit your answers to [mccyberlab@gmail.com](mailto:mccyberlab@gmail.com), include your name, student email address, name of the activity/question solved, how you obtained your answer, and your answers



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