OBJECTIVE

Password Cracking Basics with Hashcat

MATERIALS

Download and Use a virtual machine from www.offensive-security.com

Challenge: Research the enigma cipher. Can you figure out how it works? There are a multitude of simulators/emulators online. Once you figure out how to use the machine, can you use it to decode and encode a message?

Search for enigma machine simulator online!

Optional Links:
- enigmaco.de/enigma/enigma.html
- users.telenet.be/d.rijmenants/en/enigmasim.htm
- enigma.louisedade.co.uk/enigma.html

ACTIVITY

PASSWORD CRACKING 5 • FILE LOCATION•
MC Cyber Center Website > Dropbox MCC PW > passwordcracking5.txt

Our officers have obtained password dumps storing hacker passwords. We know the hackers have an interest in dinosaur genera and one of the passwords was ovir4pt0r. Can you crack the passwords?

21d7a0b4e2ca852433c1a4076372cad4
72411588da8b6a696237bb8b944ac2a1
6ee81ef297bc816f8f4bb7ad19899191
29a605ac0d1a0fb00909200fc288a82b

Clue: You will need a word list of dinosaur genus. You will also need to toggle the case of letters (upper and lower) and replace some, not all letters, with l33t characters.

You might find it easier to use the hashcat GUI with additional toggle lists. What is the GUI or command line options you needed to use with hashcat to get the answer? (You can screenshot the hashcat GUI and record the method/lists used.)

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*, include your name, student email address, name of the activity/question solved, how you obtained your answer, and your answers