unixpasswordcracker

1. Objective

• Determin if a list of unix users as a week password by dictionary attack

https://en.wikipedia.org/wiki/Dictionary_attack

2. References

• https://pt.wikipedia.org/wiki/SHA-2

• https://en.wikipedia.org/wiki/Rainbow_table

3. Workflow

1. Create a script that read all lines from linux_passwd_sample.txt amd calls a function for every line

2. Create a function that test a line of hash and tests every password from top_worst_passwords.txt

3. If a crypted password mathes th hash output the username and password.

Example: Found password for user webmaster = 123456

4. If the password canot be found just output a simple dot '.'

4. Improvements

• limit the number of lines in sample file

• limit the number of attempts in passwords file

• Calculate how mutch time will take to finish job base on first line

• Update remain time at regular intervals

• Give some feedback if user wants to debug