PASSWORD CRACKING

Best <u>word list</u> for cracking: rockyou.txt

-(already resident in Kali) Locate in Kali: usr/share/wordlists

https://crackstation.net/

- Uses only UNSALTED hashes

-Must enter 2 "CAPTCHAS" codes...case sensitive

- best to cut and paste from TEXT box.....Word has other embedded characters

Crackstation (1.5 Billion word list)

https://hashkiller.co.uk

- good back up when crackstation.net does not find PW

- Dark screens

- Has range of different hashes..must select correct Hash Algorithm

https://md5decrypt.net/en/

- Good for "hard to find" password cracks

Password Encrypters/Decrypters

http://m8e.com/

Additional tools

Easy tool ; www.theblob.org

https://www.braingle.com/brainteasers/codes/caesar.php

https://hashtoolkit.com/decrypt-sha1-hash/

- provided DIFFERENT hashes (SHA1, MD5, SHA256 ect.) for same hash / password

==> Must segregate NTLM hashes ➔ into 2 parts

Password Encrypters/Decrypters

http://m8e.com/

Password Generators
https://passwordsgenerator.net/

HASH GENERATORS & DECODERS
> *Look for FREE Hash Generator and Decoders…don't need to download/install*

Best Tool:
(For encrypting PWs)
http://www.sha1-online.com/
- Provides <u>many</u> HASH Options: MD5, SHA1, etc. = HASH GENERATOR
- Drop down menu for different hash algorithms
> *-includes RipeMD and Tiger Hashes*

https://www.miraclesalad.com/webtools/md5.php
- Hash generator and hash decryptor for MD5, ***BUT NO SHA DECRYPTER***, etc

HASH, CHECK SUM GENERATORS / FOR FILES ONLY
http://onlinemd5.com/
- save raw Wireshark files ..then use Browse function to upload
- gives you 3 Hash options; MD5, SHA1, SHA-256

http://www.md5online.org/md5-encrypt.html
 - Used in CIS 360 Lab
- Database of > 120 words
- ***Sometimes is Not Available***

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https://www.md5hashgenerator.com/

MD5, SHA, Hash Generators

Password to Hash Generator:
http://passwordsgenerator.net/md5-hash-generator/

https://md5hashing.net/hash/sha256/

https://www.md5hashgenerator.com/

2

SHA-Hash Generators

Sha-1

http://www.sha1-online.com/

https://passwordsgenerator.net/sha256-hash-generator/

http://www.sha1-online.com/

Gives you many Hash options to use

     -Select Hash Option to use (MD5, SHA1, etc.)

     -Enter Password to be hashed

          ==> *Remember to remove any quotation marks!*

HASH COLLISIONS QUESTIONS

'Enter input where the MD5 hash starts with "CC4"'

GO TO

https://md5db.net/explore/CC41

- **Enter all character into input table**
- **Then enter 4th of 5th character….select hash solution that makes sense**

HASH DECODERS

SHA256 Encoder and Decoder:

https://md5decrypt.net/en/Sha256/

https://md5decrypt.net/en/Sha256/#answer

RSA DECODER

https://www.cs.drexel.edu/~introcs/Fa11/notes/10.1_Cryptography/RSA_Express_Encrypt Decrypt.html

Tools for loading up MD5 file to GENERATE Check Sums

http://onlinemd5.com/ =

- save raw Wireshark files ..then use Browse function to upload

- gives you 3 Hash options; MD5, SHA1, SHA-256

WORD LISTS FOR CRACKING HASHES

https://wiki.skullsecurity.org/Passwords

Hashcat
http://hashcat.net/hashcat/

https://hashkiller.co.uk/hashcat-gui.aspx
GUIHashCat (Blandy)
http://www.4shared.com/zip/d4q3kR-_/hashcatgui_0263_1.html

http://softfie.com/software/hashcatgui-v0-44-by-blandyuk.html

> *GUI HashCat download*
> *Youtube>: https://www.youtube.com/watch?v=Tj-U5hQSy_E*

Hash Tool for Hashes with Colons (NTLM Hash)
https://hashkiller.co.uk/ntlm-decrypter.aspx
- Need to separate the 2-part NTLM hash….then decrypt each one

Numerous Cipher Tools
http://www.dcode.fr/tools-list   *(100s!)*
- BUT DOES NOT HAVE NTLM tool !

List of Different Hashes
http://hashcrack.blogspot.com/p/wordlist-downloads_29.html
Link has been removed

OPEN WALL SUITE - DIFFERENT Wind Applications

Advice on using "Crackstation"
https://crackstation.net/

- For PW Crack Challenges that suggest using the " rockyou.txt " word list, crackstation can now crack most of those passwords

- for NTLM (2 part Hashes separated by a COLON) Crackstation can crack them IF THEY ARE SEPARATED AS 2 HASHES as shown below for the NTLM hash
     ==> Select the very last NTLM PW crack
21259DD63B980471AAD3B435B51404EE:1E43E37B818AB5EDB066EB58CCDC1823

```
21259DD63B980471AAD3B435B51404EE
1E43E37B818AB5EDB066EB58CCDC1823
```

I'm not a robot

reCAPTCHA
Privacy - Terms
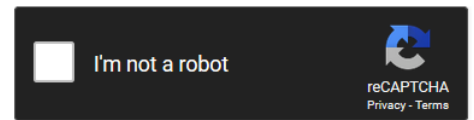
Crack Hashes

Supports: LM, NTLM, md2, md4, md5, md5(md5_hex), md5-half, sha1, sha224, sha256, sha384, sha512, ripeMD160, whirlpool, MySQL 4.1+ (sha1(sha1_bin)), QubesV3.1Backup

Hash	Type	Result
21259DD63B980471AAD3B435B51404EE	LM	starf0xassult
21259DD63B980471AAD3B435B51404EE	LM	STARF0XASSULT
21259DD63B980471AAD3B435B51404EE	LM	STARF0X
21259DD63B980471AAD3B435B51404EE	LM	starf0x
1E43E37B818AB5EDB066EB58CCDC1823	NTLM	starf0x

Color Codes: Green: Exact match, Yellow: Partial match, Red: Not found.