Assignment – 7

Password Cracking

┌──(kali㉿kali)-[~]

└─$ echo -e "Hello\nFarhan" > abc.txt

┌──(kali㉿kali)-[~]

└─$ zip --password secret123 word.zip abc.txt

 adding: abc.txt (stored 0%)

┌──(kali㉿kali)-[~]

└─$ zip2john word.zip > ziphash.txt

ver 1.0 efh 5455 efh 7875 word.zip/abc.txt PKZIP Encr: 2b chk, TS_chk, cmplen=25, decmplen=13, crc=1049533F ts=2307 cs=2307 type=0

┌──(kali㉿kali)-[~]

└─$ sudo apt install wordlists

[sudo] password for kali:

wordlists is already the newest version (2023.2.0).

wordlists set to manually installed.

The following packages were automatically installed and are no longer required:

 firebird3.0-common   libfreerdp-client2-2t64   libgumbo2   libtag1v5   python3-pendulum

 firebird3.0-common-doc libfreerdp2-2t64   libicu-dev   libtag1v5-vanilla   python3-pluggy

fonts-liberation2   libgail-common   libimobiledevice6 libtagc0   python3-pytzdata

freerdp2-x11   libgail18t64   libiniparser1   libu2f-udev   python3-setproctitle

hydra-gtk   libgeos3.12.1t64   libjim0.82t64   libusbmuxd6   python3-setuptools-scm

icu-devtools   libgl1-mesa-dev   libjsoncpp25   libwebrtc-audio-processing1 python3-trove-classifiers

libabsl20230802   libglapi-mesa   libmbedcrypto7t64 libwinpr2-2t64   python3.11

libassuan0   libgles-dev   libmfx1   libzip4t64   python3.11-dev

libavfilter9   libgles1   libmsgraph-0-1   openjdk-17-jre   python3.11-minimal

libbfio1   libglvnd-core-dev   libopenh264-7   openjdk-17-jre-headless   ruby-zeitwerk

libcapstone4   libglvnd-dev   libpaper1   perl-modules-5.38 ruby3.1

libcephfs2   libgspell-1-2   libperl5.38t64   python3-appdirs ruby3.1-dev

libconfig++9v5   libgtk2.0-0t64   libplacebo338   python3-diskcache   ruby3.1-doc

libconfig9   libgtk2.0-bin   libplist3   python3-hatch-vcs rwho

libdirectfb-1.7-7t64   libgtk2.0-common   libpostproc57   python3-hatchling   rwhod

libegl-dev   libgtksourceview-3.0-1   libpython3.11-dev python3-lib2to3   samba-vfs-modules

libflac12t64   libgtksourceview-3.0-common libre2-10   python3-mistune0

libfmt9   libgtksourceviewmm-3.0-0v5 libroc0.3   python3-
pathspec

Use 'sudo apt autoremove' to remove them.

Summary:

  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 220

┌──(kali㉿kali)-[~]

└─$ sudo gzip -d /usr/share/wordlists/rockyou.txt.gz

gzip: /usr/share/wordlists/rockyou.txt.gz: No such file or directory

┌──(kali㉿kali)-[~]

└─$ john ziphash.txt --wordlist=/usr/share/wordlists/rockyou.txt

Using default input encoding: UTF-8

Loaded 1 password hash (PKZIP [32/64])

Will run 4 OpenMP threads

Press 'q' or Ctrl-C to abort, almost any other key for status

secret123   (word.zip/abc.txt)

1g 0:00:00:00 DONE (2025-04-23 04:25) 20.00g/s 491520p/s 491520c/s
491520C/s christal..280789

Use the "--show" option to display all of the cracked passwords reliably

Session completed.

┌──(kali㉿kali)-[~]

└─$ john --show ziphash.txt~

stat: ziphash.txt~: No such file or directory

┌──(kali㉿kali)-[~]

└─$ john --show ziphash.txt

word.zip/abc.txt:secret123:abc.txt:word.zip::word.zip

1 password hash cracked, 0 left

┌──(kali㉿kali)-[~]