Remote Control Ahmad Shafie S11 CFC3110

```
sudo apt-get update

sudo apt-get upgrade

(kali@ kali)-[~]

sudo apt-get update

We trust you have received the usual lecture from the local System
```

We trust you have received the usual lecture from the local System Administrator. It usually boils down to these three things:

#1) Respect the privacy of others.#2) Think before you type.

#3) With great power comes great responsibility.

[sudo] password for kali:
Get:1 http://mirror.aktkn.sg/kali kali-rolling InRelease [30.6 kB]

Get:2 http://mirror.aktkn.sg/kali kali-rolling/main amd64 Packages [19.4 MB]
Get:3 http://mirror.aktkn.sg/kali kali-rolling/main amd64 Contents (deb) [44.4 MB]

Get:4 http://mirror.aktkn.sg/kali kali-rolling/contrib amd64 Packages [112 kB]

Get:5 http://mirror.aktkn.sg/kali kali-rolling/contrib amd64 Contents (deb) [167 kB] Get:6 http://mirror.aktkn.sg/kali kali-rolling/non-free amd64 Packages [224 kB]

Get:7 http://mirror.aktkn.sg/kali kali-rolling/non-free amd64 Contents (deb) [920 kB] Fetched 65.2 MB in 11s (5,957 kB/s)

Reading package lists... Done

Processing triggers for dictionaries-common (1.29.4) ...
Processing triggers for initramfs-tools (0.142) ...

update-initramfs: Generating /boot/initrd.img-5.15.0-kali3-amd64 W: No zstd in /usr/bin:/sbin:/bin, using gzip

Processing triggers for libc-bin (2.33-1) ...

Processing triggers for ca-certificates-java (20230103) ...

done.

___(kali⊗kali)-[~] \$ <u>sudo</u> apt-get upgrade The sudo apt-get update command is used to download package information from all configured sources.

The sudo apt-get upgrade command downloads and installs the updates for each outdated package and dependency on your system.

Shown here are both the outputs for sudo apt-get update/upgrade respectively. Please note that upgrade takes a significantly longer processing time

```
if [ $(dpkg-guery -l
echo "ToriFY is already installed "
else
echo "Installing ToriFY."
git clone https://github.com/Debajyoti0-0/ToriFY.git
          kali)-[~/nipe/nipe]
        if [ $(dpkg-query -l | grep '^ii' | awk '{print $2}' | grep -x tor) = "tor" ];
        then
        echo "ToriFY is already installed "
        echo "Installing ToriFY."
        git clone https://github.com/Debajyoti0-0/ToriFY.git
ToriFY is already installed
   if [ $(dpkg-query -l | grep '^ii' | awk '{print $2}' | grep -x tor) = "tor" ];
        echo "ToriFY is already installed "
        git clone https://github.com/Debajyoti0-0/ToriFY.git
zsh: parse error: condition expected: =
Installing ToriFY.
Cloning into 'ToriFY' ...
remote: Enumerating objects: 141, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 141 (delta 0), reused 0 (delta 0), pack-reused 138
Receiving objects: 100% (141/141), 2.47 MiB | 24.28 MiB/s, done.
Resolving deltas: 100% (56/56), done.
```

the result of that condition. The IF THEN ELSE expression can be defined in two ways: IF (boolean condition) THEN (true value) ELSE (false value).

ToriFY is a tool to Automate and to redirect all the traffic in your device to TOR and spoof your mac address within

dpkg-query is a tool to show information

condition, then returns a value based on

about packages listed in the dpkg

The IF THEN ELSE function tests a

database.

Following are output if the condition value are true which also means that ToriFY are installed.

a one click. And it also can change your

IP in a certain amount for an example

And if the conditions are not met, ToriFY will be installed as shown.

```
if [ $(dpkg-query -l | grep '^ii' | awk '{print $2}' | grep geoip-bin) == "geoip-bin" ];
then
echo "geoip-bin is already installed "
else
echo "Installing geoip-bin."
sudo apt-get install geoip-bin-
                                                                                                            reverse DNS lookups.
fi
        if [ $(dpkg-query -l | grep '^ii' | awk '{print $2}' | grep geoip-bin) = "geoip-bin" ];
        echo "geoip-bin is already installed "
        echo "Installing geoip-bin."
        sudo apt-get install geoip-bin
geoip-bin is already installed
     if [ $(dpkg-query -l | grep '^ii' | awk '{print $2}' | grep geoip-bin) = "geoip-bin" ]
      echo "geoip-bin is already installed "
                                                                          Otherwise if it's not installed.
                                                                         it is programmed to
      echo "Installing geoip-bin."
                                                                          automatically download the
                                                                          required service before
      sudo apt-get -y install geoip-bin
                                                                          moving on to the next task
```

zsh: parse error: condition expected: =

Installing geoip-bin. Reading package lists ... Done Building dependency tree ... Done Reading state information ... Done

GeoIP is a C library that enables the user to find the country that any IP address or hostname originates from. It uses a file based database.

This database simply contains IP blocks as keys, and countries as values and it should be more complete and accurate than using

The output shown here is the result if the conditions are met, so if geoip-bin was already installed, it will echo out "geoip-bin is already installed" and proceed to the next command

```
"sshpass is already installed "
    else
    echo "Installing sshpass."
    sudo apt-get install sshpass
     fi
   -(kali®kali)-[~/nipe/nipe]
          if [ $(dpkg-query -l | grep '^ii' | awk '{print $2}' | grep sshpass) = "sshpass" ];
          echo "sshpass is already installed "
          echo "Installing sshpass."
          sudo apt-get install sshpass
sshpass is already installed
zsh: parse error: condition expected: =
Installing sshpass.
The following packages were automatically installed and are no longer required:
 fonts-roboto-slab libexporter-tiny-perl libhttp-server-simple-perl liblist-moreutils-perl liblist-moreutils-xs-perl liblting-ust-ctl4
 liblttng-ust0 python3-dataclasses-json python3-ipaddr python3-limiter python3-marshmallow-enum python3-mypy-extensions python3-responses
 python3-singledispatch python3-speaklater python3-spyse python3-token-bucket python3-twisted-bin python3-typing-inspect
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
0 upgraded, 1 newly installed, 0 to remove and 977 not upgraded.
After this operation, 38.9 kB of additional disk space will be used.
Get:1 http://http.kali.org/kali kali-rolling/main amd64 sshpass amd<u>64 1.09-1+b1 [13.0 kB]</u>
Fetched 13.0 kB in 1s (18.8 kB/s)
Selecting previously unselected package sshpass.
(Reading database ... 290512 files and directories currently installed.)
Preparing to unpack .../sshpass_1.09-1+b1_amd64.deb ...
Unpacking sshpass (1.09-1+b1) ...
Setting up sshpass (1.09-1+b1) ..
Processing triggers for man-db (2.9.4-4) ...
Processing triggers for kali-menu (2022.4.1) ...
```

grep '^ii' | awk '{print \$2}'

then

The sshpass utility is designed to run SSH using the keyboard-interactive password authentication mode, but in a non-interactive way. SSH uses direct TTY access to ensure that the password is indeed issued by an interactive keyboard user.

```
git clone https://github.com/htrgouvea/nipe
  -(kali®kali)-[~/nipe/nipe
         if [ $(find nipe/cpanfile) = "nipe/cpanfile" ]
         then
         echo "nipe is already installed "
         echo "Installing nipe."
         git clone https://github.com/htrgouvea/nipe
nipe is already installed
       if [ $(find nipe/cpanfile) = "nipe/cpanfile" ];
       echo "nipe is already installed "
       echo "Installing nipe."
       git clone https://github.com/htrgouvea/nipe
find: 'nipe/cpanfile': No such file or directory
zsh: parse error: condition expected: =
remote: Enumerating objects: 1714, done.
remote: Counting objects: 100% (185/185), done.
       Compressing objects: 100% (108/108), done.
remote: Total 1714 (delta 73), reused 145 (delta 57), pack-reused 1529
Receiving objects: 100% (1714/1714), 262.90 KiB | 16.43 MiB/s, done.
Posolving doltas: 100% (896/896) don
```

if [\$(find nipe/cpanfile) == "nipe/cpanfile"];

echo "nipe is already installed "

echo "Installing nipe."

then

else

Nipe is an engine, developed in Perl, that aims on making the Tor network your default network gateway. Nipe can route the traffic from your machine to the Internet through Tor network, so you can surf the Internet having a more formidable stance on privacy and anonymity in cyberspace.

```
ipX=$(curl ifconfig.io)
if [ $(curl ifconfig.io/country code) == "SG" ];
then
echo "Your IP is not Spoofed"
exit
else
     "Your Connection is secure"
echo "Your Spoofed IP Address is: $ipX "
echo "Your Spoofed Country: "
geoiplookup "$ipX"
echo "Your Spoofed IP Address:"
geoiplookup ifconfig.io
echo "Connecting to Remote Server"
sshpass -p 'tc' ssh tc@192.168.234.130 uptime
echo "Your IP address"
sshpass -p 'tc' ssh tc@192.168.234.130 curl -s ifconfig.io
echo 'Country:'
sshpass -p 'tc' ssh tc@192.168.234.130 geoiplookup 103.252.200.126
sshpass -p 'tc' ssh tc@192.168.234.130 whois 103.252.200.126> /home/kali/whois.txt
echo "Your Whois data is saved into:"
locate whois.txt
sshpass -p 'tc' ssh tc@192.168.234.130 nmap scanme.nmap.com -Pn -p 1-100 > /home/kali/scanme.txt
echo "Your Nmap data is saved into:"
locate scanme.txt
fi
```

This function here is to ensure that you successfully falsify the content in the Source IP header. If conditions are met and you have not spoofed your IP address, the programme will inform you and will not continue working

Uptime is a computer industry term for the time during which a computer or IT system is operational. Uptime can also be a metric that represents the percentage of time that hardware, a computer network, or a device is successfully operational.

curl command here is used to display data(IP address) of the remote server

geoiplookup uses the GeoIP library and database to find the Country that an IP address or hostname originates from.

whois is a query and response protocol that is widely used for querying databases that store the registered users or assignees of an Internet resource, such as a domain name, an IP address block or an autonomous system, but is also used for a wider range of other information. In this case, the output is saved into whois.txt

nmap command-line tool for network exploration and security auditing. It is used here to scan for open ports between port number 1-100 and the data is saved into scanme.txt

```
if [ $(curl ifconfig.io/country code) = "SG" ];
echo "Your IP is not Spoofed"
echo "Your Connection is secure"
echo "Your Spoofed IP Address is: $ipX "
cho "Your Spoofed IP Address:"
      bokup ifconfig.io
echo "Connecting to Remote Server"
sshpass -p 'tc' ssh tc@192.168.234.130 uptime
echo "Your IP address"
sshpass -p 'tc' ssh tc@192.168.234.130 curl -s ifconfig.io
sshpass -p 'tc' ssh tc@192.168.234.130 geoiplookup 103.252.200.126
sshpass -p 'tc' ssh tc@192.168.234.130 whois 103.252.200.126> /home/kali/whois.txt
echo "Your Whois data is saved into:"
locate whois.txt
sshpass -p 'tc' ssh tc@192.168.234.130 nmap scanme.nmap.com -Pn -p 1-100 > /home/kali/scanme.txt
echo "Your Nmap data is saved into:"
locate scanme.txt
            % Received % Xferd Average Speed
                                                                        Current
                                 Dload Upload
Your IP is not Spoofed
```

The output shown "Your IP is not Spoofed" is the outcome if the conditions are met(your IP is not redirected).

```
Hit:1 http://ftp.halifax.rwth-aachen.de/kali kali-rolling InRelease
Reading package lists... Done
 Reading package lists ... Done
Building dependency tree ... Done
Reading state information... Done
 alculating upgrade ... Done
 he following packages were automatically installed and are no longer required:
  fonts-roboto-slab libatk1.0-data libexporter-tiny-perl libhttp-server-simple-perl liblist-moreutils-perl liblist-moreutils-xs-perl
  liblttng-ust-ctl4 liblttng-ust0 libnginx-mod-http-geoip libnginx-mod-http-image-filter libnginx-mod-http-xslt-filter libnginx-mod-mail
  libnginx-mod-stream libnginx-mod-stream-geoip libperl5.32 libpython3.9-dev libtbb2 nginx-common nginx-core perl-modules-5.32
  python3-dataclasses-json python3-ipaddr python3-limiter python3-llvmlite python3-marshmallow-enum python3-mypy-extensions python3-responses
  python3-singledispatch python3-speaklater python3-spyse python3-token-bucket python3-twisted-bin python3-typing-inspect python3.9-dev
 Ise 'sudo apt autoremove' to remove them.
 The following packages have been kept back:
  arp-scan atril binutils binutils-common binutils-x86-64-linux-gnu blueman cgpt cherrytree clang clang-13 cpp cpp-11 crackmapexec creddump7 cron
  cython3 default-jre default-jre-headless default-mysql-server driftnet ettercap-common ettercap-graphical faraday flac freerdp2-x11 g++ g++-11 gcc
  gcc-11 gcc-11-base geoclue-2.0 gir1.2-javascriptcoregtk-4.0 gir1.2-webkit2-4.0 gobject-introspection graphviz gstreamer1.0-libav
  gstreamer1.0-plugins-bad gstreamer1.0-plugins-good gvfs gvfs-backends gvfs-common gvfs-daemons gvfs-fuse gvfs-libs impacket-scripts
  init-system-helpers iproute2 ipython3 kali-defaults kali-desktop-base kali-desktop-xfce kali-grant-root kali-linux-core kali-linux-default
  kali-linux-headless kali-themes kali-themes-common kali-tweaks kismet-core libapache2-mod-php libasan6 libasound2-plugins libatrildocument3
  libatrilview3 libbinutils libc-dev-bin libc6 libc6-dev libc6-i386 libchromaprint1 libclang-common-13-dev libclang-cpp13 libclang1-13 libctf0
  libegl-mesa0 libfreerdp-client2-2 libfreerdp2-2 libgbm1 libgcc-11-dev libgd3 libgdk-pixbuf-2.0-0 libgeos-c1v5 libgeotiff5 libgirepository-1.0-1
  libgl1-mesa-dri libglapi-mesa libglu1-mesa libglx-mesa0 libgs9-common libgstreamer-plugins-bad1.0-0 libgupnp-igd-1.0-4 libgvc6 libgxps2 libheif1
  libhttp-message-perl libinput-bin libinput10 libjavascriptcoregtk-4.0-18 libldb2 libllvm13 libmagickcore-6.q16-6 libmagickcore-6.q16-6-extra
  libmm-glib0 libnet1 libnewt0.52 libnma-common libnma0 libobjc-11-dev libopenconnect5 libpocl2 libpocl2-common libpolkit-agent-1-0
  libpolkit-gobject-1-0 libpoppler-glib8 libpulse-mainloop-glib0 libpulse0 libpulsedsp libpython3-dev libpython3-stdlib libqmi-glib5 libqmi-proxy
  libqt5charts5 libqt5core5a libqt5dbus5 libqt5designer5 libqt5gui5 libqt5multimedia5 libqt5multimedia5-plugins libqt5multimediagsttools5
libqt5multimediawidgets5 libqt5network5 libqt5positioning5 libqt5printsupport5 libqt5qml5 libqt5qmlmodels5 libqt5quick5 libqt5sensors5 libqt5sql5,
  libqt5sql5-sqlite libqt5svg5 libqt5test5 libqt5webchannel5 libqt5webkit5 libqt5widgets5 libqt5×11extras5 libqt5xml5 libsane-common libsanel
  libsmbclient libsndfile1 libspandsp2 libspatialite7 libspectre1 libstdc++-11-dev libtalloc2 libtdb1 libtevent0 libtiff5 libtsan0 libupower-glib3
  libwacom-bin libwacom-common libwebkit2gtk-4.0-37 libwebpdemux2 libwebpmux3 libwinpr2-2 libwmf0.2-7 libxatracker2 lightdm-gtk-greeter-settings
  linux-image-amd64 llvm-13 llvm-13-dev lľvm-13-linker-tools llvm-13-runtime llvm-13-tools mesa-va-drivers mesa-vdpau-drivers mesa-vulkan-drivers
  metasploit-framework mitmproxy modemmanager network-manager-fortisslypn network-manager-fortisslypn-gnome network-manager-gnome
  network-manager-l2tp network-manager-l2tp-gnome network-manager-openconnect network-manager-openconnect-gnome network-manager-openvpn
  network-manager-openvpn-gnome network-manager-pptp network-manager-pptp-gnome network-manager-vpnc network-manager-vpnc-gnome nfs-common onboard
  openconnect pgcli php php-common php-mysql pocl-opencl-icd policykit-1 postgresql powershell-empire procps pulseaudio pulseaudio-module-bluetooth
  pulseaudio-utils pyqt5-dev-tools python-pastedeploy-tpl python-tables-data python3 python3-aiohttp python3-apt python3-bleach python3-bottleneck
  python3-brlapi python3-brotli python3-cairo python3-cbor python3-cffi-backend python3-dbus python3-debian python3-dev python3-dnspython
  python3-flasger python3-flask-limiter python3-fonttools python3-frozenlist python3-gdal python3-gi python3-gi-cairo python3-gpg python3-greenlet
  python3-hiredis python3-jpython python3-jaraco.text python3-jsonschema python3-kiwisolver python3-ldb python3-limits python3-llimite python3-lxm
  python3-lz4 python3-markupsafe python3-matplotlib python3-maxminddb python3-minimal python3-msgpack python3-multidict python3-mysqldb python3-nass
  python3-netifaces python3-newt python3-numexpr python3-numpy python3-pandas python3-pandas-lib python3-pastedeploy python3-pcapy python3-pgspecial
  python3-pil python3-pil.imagetk python3-pluggy python3-protobuf python3-psycopg2 python3-pycares python3-pycurl python3-pygraphviz python3-pymssql
  python3-ruamel.yaml.clib python3-samba python3-scipy python3-selenium python3-setproctitle python3-snappy python3-sqlalchemy python3-sqlalchemy-ext
  python3-sympy python3-tables python3-tables-lib python3-talloc python3-tdb python3-tzlocal python3-ubjson python3-ufolib2 python3-ujson
  python3-urwid python3-uvloop python3-wsaccel python3-yaml python3-yara python3-yarl python3-zope.interface qt5-gtk-platformtheme qt5ct
  qtbase5-dev-tools qterminal qtermwidget5-data ruby ruby-cms-scanner ruby-dev ruby-ffi ruby-nokogiri ruby-yajl samba samba-common samba-common-bin
  samba-dsdb-modules samba-libs samba-vfs-modules sane-utils smbclient topreplay telnet tftp tshark udisks2 upower yboot-kernel-utils yboot-utils
  winexe wireshark wireshark-common wireshark-qt wpscan x11-apps xfce4-screenshooter xserver-xorg-core xserver-xorg-input-libinput
  xserver-xorg-video-amdgpu xserver-xorg-video-ati xserver-xorg-video-fbdev xserver-xorg-video-nouveau xserver-xorg-video-radeon
  xserver-xorg-video-vesa xserver-xorg-video-vmware zenity
 upgraded, 0 newly installed, 0 to remove and 347 not upgraded.
 hecking if all required tools are installed
 ToriFY is already installed
 peoin-bin is already installed
 shpass is already installed
 ipe is already installed
  % Total % Received % Xferd Average Speed Time Time
                                Dload Upload Total Spent Left Speed
     16 100 16 0
                            0 12 0 0:00:01 0:00:01 --:--: 12
 % Total % Received % Xferd Average Speed Time Time Time Current
                                Dload Upload Total Spent Left Speed
      3 100 3 0
                            0 2 0 0:00:01 0:00:01 --:--:--
 Your Connection is secure
Your Spoofed IP Address is: 185,220,101,175
Your Spoofed Country:
GeoIP Country Edition: DE. Germany
Connecting to Remote Server
 19:52:06 up 1:27, 1 user, load average: 0.20, 0.05, 0.01
103.252.200.97
GeoIP Country Edition: SG, Singapore
 Your Whois data is saved into:
 /home/kali/whois.txt
 /home/kali/.local/share/Trash/files/whois.txt
 home/kali/.local/share/Trash/info/whois.txt.trashinfo
 our Nmap data is saved into:
 /home/kali/scanme.txt
 home/kali/.local/share/Trash/files/scanme.txt
  nome/kali/.local/share/Trash/info/scanme.txt.trashinfo
```

Final Result: If you successfully anonymized yourself, program will proceed as shown by the example on the left.

Credits

Mr James Lim, Head Trainer, Centre for Cybersecurity

Mr Evans Amoany(Sudoer), https://www.redhat.com/sysadmin/users/evans-amoany

Mr Kris Koishigawa: https://www.freecodecamp.org/news/author/kris/

Reference

sudo apt-get update/upgrade:

https://www.freecodecamp.org/news/sudo-apt-get-update-vs-upgrade-what-is-the-difference/#:~:text=The sudo apt-get upgrade,want to perform the upgrades

dpkg-query: https://man7.org/linux/man-pages/man1/dpkg-query.1.html

Geoip-bin: https://packages.debian.org/stretch/geoip-bin

sshpass: https://www.redhat.com/sysadmin/ssh-automation-sshpass

nipe: https://github.com/htrgouvea/nipe