

Disclaimer

This document **DOES NOT** promote or encourage any illegal activities!

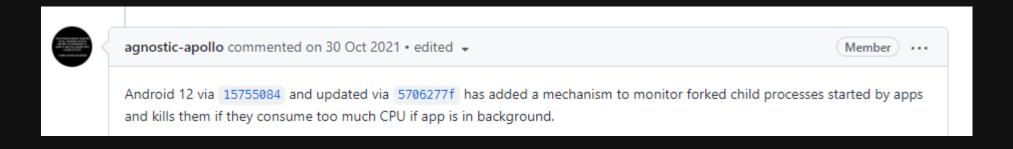
The content in this document is provided solely for educational purposes and to create awareness!





Requirements

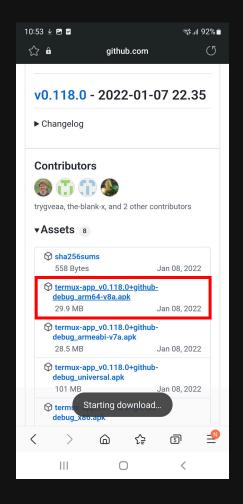
1. A Physical Android Phone. You can do this install on an Android 12 phone, but a phone running on a version **before** Android 12 is recommended. See the link to the article below on GitHub on how Android monitors and kills forked child processes of apps when they use too much of the CPU. https://github.com/termux/termux-app/issues/2366

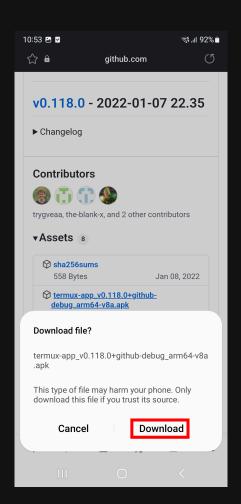


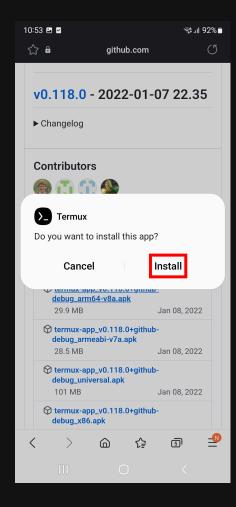


- 1. You will need to install Termux. You can get Termux from the F-Droid store or from their GitHub repousing one of the following links (In the demowe use GitHub):
 - https://f-droid.org/packages/com.termux/
 - https://github.com/termux/termux-app/releases
 - Take note that the official Termux Wiki and Termux GitHub pages indicates that you should not install the outdated version hosted on the Google Play Store.
- 2. Download the latest Termux version at the time of writing it is **termux**-app_v0.118.0+github-debug_arm64-v8a.apk from the github link above.

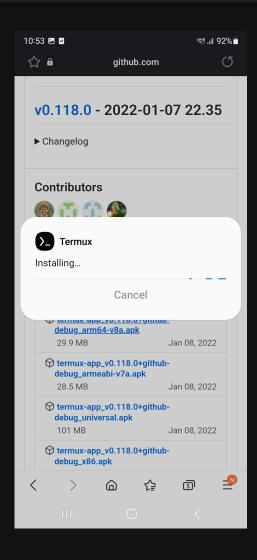
3. Open and Install the downloaded APK file. Press on Install and then Open.

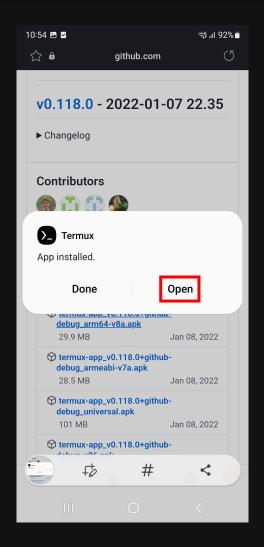














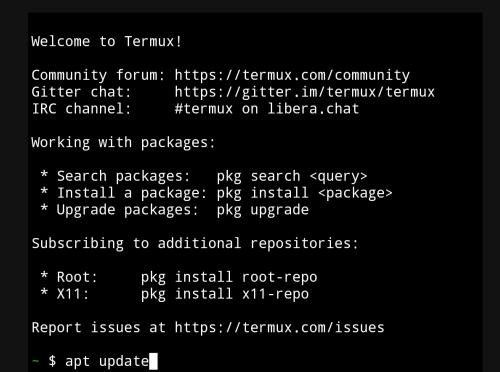
apt update and apt upgrade

Debian Linux and many of its derivatives use **APT (Advanced Package Tool)** to install tools. We need to run **apt update** to get the package source information from the configured resources in the **/etc/apt/sources.list** file. This is how the system knows which files needs to be updated and where they can be downloaded from.

apt upgrade will then use the information to upgrade all the installed packages to their latest versions.

4. Enter the following command: apt update

```
[1]
Welcome to Termux!
Community forum: https://termux.com/community
                 https://gitter.im/termux/termux
Gitter chat:
IRC channel:
                 #termux on libera.chat
Working with packages:
 * Search packages:
                     pkg search <query>
 * Install a package: pkg install <package>
 * Upgrade packages: pkg upgrade
Subscribing to additional repositories:
 * Root:
             pkg install root-repo
             pkg install x11-repo
 * X11:
Report issues at https://termux.com/issues
~ $
```





5. Enter the following command: apt upgrade

```
Working with packages:
 * Search packages: pkg search <query>
 * Install a package: pkg install <package>
 * Upgrade packages: pkg upgrade
Subscribing to additional repositories:
             pkg install root-repo
 * Root:
 * X11:
             pkg install x11-repo
Report issues at https://termux.com/issues
~ $ apt update
Get:1 https://packages.termux.dev/apt/termux-main sta
ble InRelease [14.0 kB]
Get:2 https://packages.termux.dev/apt/termux-main sta
ble/main aarch64 Packages [429 kB]
Fetched 443 kB in 10s (42.8 kB/s)
Reading package lists... Done
Building dependency tree... Done
46 packages can be upgraded. Run 'apt list --upgradab
le' to see them.
~ $ apt upgrade
```



6. When you get asked to "Do you want to continue" press Y and Enter.

```
Building dependency tree... Done
46 packages can be upgraded. Run 'apt list --upgradab
le' to see them.
~ $ apt upgrade
Reading package lists... Done
Building dependency tree... Done
Calculating upgrade... Done
The following NEW packages will be installed:
  bash-completion
The following packages will be upgraded:
  apt bash ca-certificates command-not-found
  coreutils curl dash debianutils dialog dpkg ed
  findutils gawk gpgv gzip inetutils libc++
  libcap-ng libcrypt libcurl libevent libexpat
  libgcrypt libgmp libgnutls libgpg-error liblz4
  libmpfr libnghttp2 libssh2 libtirpc libunistring
  lsof nano ncurses openssl pcre2 termux-am-socket
  termux-exec termux-keyring termux-licenses
  termux-tools unbound unzip util-linux zlib
46 upgraded, 1 newly installed, 0 to remove and 0 not
upgraded.
Need to get 14.4 MB of archives.
After this operation, 6681 kB of additional disk spac
e will be used.
Do you want to continue? [Y/n] y
```



7. When prompted for an action press Y and <Enter> so you install the package

maintainer's version.

```
Unpacking ca-certificates (1:2022.04.26) over (1:2021
-10-26-0) ...
Setting up ca-certificates (1:2022.04.26) ...
(Reading database ... 4112 files and directories curr
ently installed.)
Preparing to unpack .../openssl_3.0.3_aarch64.deb ...
Unpacking openss1 (3.0.3) over (1.1.11) ...
Setting up openssl (3.0.3) ...
Configuration file '/data/data/com.termux/files/usr/e
tc/tls/openssl.cnf'
 ==> File on system created by you or by a script.
 ==> File also in package provided by package maintai
ner.
   What would you like to do about it? Your options
 are:
    Y or I : install the package maintainer's versio
n
   N or O : keep your currently-installed version
            : show the differences between the versio
ns
            : start a shell to examine the situation
The default action is to keep your current version.
*** openssl.cnf (Y/I/N/O/D/Z) [default=N] ?
           24%] [#######.....]
```



8. Enter the following command: apt update

You want to do this, so you get the **wget** package information.



9. Enter the following command: termux-setup-storage In order to have shared storage you need to give Termux storage access permission. Doesn't give access to external connected storage devices.



10. Install wget and when you're asked Do you want to continue, press Y and Enter.

apt install wget

```
10:28 🖾 >_ 🗹 ···
                                           कि.्रा 89% ा
~ $ apt install wget
Reading package lists... Done
Building dependency tree... Done
The following additional packages will be installed:
  libuuid
The following NEW packages will be installed:
  libuuid wget
O upgraded, 2 newly installed, O to remove and 11 not up
graded.
Need to get 281 kB of archives.
After this operation, 881 kB of additional disk space wi
ll be used.
Do you want to continue? [Y/n] Y
Get:1 https://packages.termux.org/apt/termux-main stable
/main aarch64 libuuid aarch64 1.0.3-4 [6514 B]
Get:2 https://packages.termux.org/apt/termux-main stable
/main aarch64 wget aarch64 1.21.1-1 [275 kB]
Fetched 281 kB in 2s (147 kB/s)
Selecting previously unselected package libuuid.
(Reading database ... 4112 files and directories current
ly installed.)
Preparing to unpack .../libuuid 1.0.3-4 aarch64.deb ...
Unpacking libuuid (1.0.3-4) ...
Selecting previously unselected package wget.
```



11. When you get asked to "Do you want to continue" press Y and Enter.

```
10:38 🚨 🕹 >_ ··
                                           কিনা 59% 🖥
~ $ apt update
Get:1 https://packages.termux.org/apt/termux-main stable
InRelease [14.0 kB]
Get:2 https://packages.termux.org/apt/termux-main stable
/main aarch64 Packages [361 kB]
Fetched 375 kB in 8s (48.2 kB/s)
Reading package lists... Done
Building dependency tree... Done
10 packages can be upgraded. Run 'apt list --upgradable'
to see them.
~ $ apt install wget
Reading package lists... Done
Building dependency tree... Done
The following additional packages will be installed:
 libuuid
The following NEW packages will be installed:
 libuuid wget
O upgraded, 2 newly installed, O to remove and 10 not up
graded.
Need to get 281 kB of archives.
After this operation, 881 kB of additional disk space wi
ll be used.
Do you want to continue? [Y/n]
```

```
10:38 🝱 🕹 >_ ··
                                           হিনা 59% 
~ $ apt update
Get:1 https://packages.termux.org/apt/termux-main stable
InRelease [14.0 kB]
Get:2 https://packages.termux.org/apt/termux-main stable
/main aarch64 Packages [361 kB]
Fetched 375 kB in 8s (48.2 kB/s)
Reading package lists... Done
Building dependency tree... Done
10 packages can be upgraded. Run 'apt list --upgradable'
to see them.
~ $ apt install wget
Reading package lists... Done
Building dependency tree... Done
The following additional packages will be installed:
 libuuid
The following NEW packages will be installed:
  libuuid wget
O upgraded, 2 newly installed, O to remove and 10 not up
graded.
Need to get 281 kB of archives.
After this operation, 881 kB of additional disk space wi
11 be used.
Do you want to continue? [Y/n] Y
0% [Working]
```



12. Download the NetHunter install file. **Ensure that you enter the correct address.**

wget -0 install-nethunter-termux https://offs.ec/2MceZWr



13. Change the permissions so that you can execute the file:

chmod +x install-nethunter-termux

```
13:59 ♣ >_ ♣ · ·
                                           িনা 54% 🛢
--2022-02-16 13:58:30-- https://offs.ec/2MceZWr
Resolving offs.ec... 67.199.248.12, 67.199.248.13
Connecting to offs.ec|67.199.248.12|:443... connected.
HTTP request sent, awaiting response... 301 Moved Perman
ently
Location: https://gitlab.com/kalilinux/nethunter/build-s
cripts/kali-nethunter-project/raw/master/nethunter-rootl
ess/install-nethunter-termux [following]
--2022-02-16 13:58:30-- https://gitlab.com/kalilinux/ne
thunter/build-scripts/kali-nethunter-project/raw/master/
nethunter-rootless/install-nethunter-termux
Resolving gitlab.com... 172.65.251.78
Connecting to gitlab.com|172.65.251.78|:443... connected
HTTP request sent, awaiting response... 200 OK
Length: 10772 (11K) [text/plain]
Saving to: 'install-nethunter-termux'
install-nethu 100% 10.52K --.-KB/s
                                       in 0.001s
2022-02-16 13:58:31 (7.32 MB/s) - 'install-nethunter-ter
mux' saved [10772/10772]
~ $ chmod +x install-nethunter-termux
```



14. Type the following command to execute the downloaded install file:

./install-nethunter-termux



15. The installation will take a while, when asked to delete rootfs, enter N.

```
14:00 🖾 >_ 🐍
                                    হিনা 54% 🛢
  88
                            88
          a8P
                    db
        .88'
                   d88b
                            88
  88
       88'
                  d8''8b
                            88
  88 d88
                 d8 '
                    '8b
                            88
  8888'88.
                d8YaaaaY8b
                            88
        Y8b
                            88
   88
                            88
   88
          Y8b d8'
                         '8b 88888888 88
     [*] Checking device architecture ...
  Checking package dependencies...
```

```
17:11 ◎ ⋈ ◎ …
                                          कि.मी 46% व
Downloaded 2.98656 Gigabyte(s) in 9:48 minute(s). (5325.
86 KB/s)
[*] Getting SHA ...
Initializing download: https://images.kali.org/nethunter
/kalifs-arm64-full.sha512sum
File size: 155 byte(s) (155 bytes)
Opening output file kalifs-arm64-full.sha512sum
Starting download
[100%] [.....] [ 763.0B/s]
Downloaded 155 byte(s) in 0 second(s). (0.75 KB/s)
[*] Verifying integrity of rootfs...
kalifs-arm64-full.tar.xz: OK
[*] Extracting rootfs...
[?] Delete downloaded rootfs file? [y/N]
```



- 16. To start Kali NetHunter you can use the following commands:
 - To start the CLI nethunter
 - To setup the NetHunter KeX password nethunter kex passwd
 - To start NetHunter KeX (Password will ve set on first startup) nethunter kex
 - To stop the NetHunter KeX GUI nethunter kex stop
 - To run NetHunter as root nethunter -r
 - You replace nethunter with nh in all these commands. nh



```
13:16 🚨 🕹 🖾 …
                                       হিনা 67% 🖥
                                            ##
   88
           a8P
   88
         .88'
                     d88b
   88
        88'
                    d8''8b
                               88
   88 d88
                   d8 '
                               88
                        '8b
   8888'88.
                  d8YaaaaY8b
         Y8b
                 d8'''''8b
                               88
   88
          '88.
                d8 '
                          '8b
                               88
   88
           Y8b d8'
                            '8b 88888888 88
     [=] Kali NetHunter for Termux installed successfully
[+] To start Kali NetHunter, type:
[+] nethunter
                        # To start NetHunter CLI
   nethunter kex passwd # To set the KeX password
   nethunter kex &
                        # To start NetHunter GUI
                       # To stop NetHunter GUI
   nethunter kex stop
                        # To run NetHunter as root
   nethunter -r
[+] nh
                        # Shortcut for nethunter
~ $
  ESC
                       HOME
                                       END
                                             PGUP
         CTRL
                                             PGDN
```



17. Once you run **nh** you are now in the Kali NetHunter CLI.

```
13:17 🖾 🕹 🖾 · · ·
                                        হিনা 67% 🖥
           a8P
                                         88 ##
         .88'
                     d88b
                               88
                                         88 ##
                               88
                                         88 ##
                               88
                                         88 ##
   8888'888.
                  d8YaaaaY8b
         Y8b
                                         88
                                            ##
          '88.
                               88
                                            ##
## 88
            Y8b d8'
                            '8b 88888888 88
                                            ##
                                            ##
     [=] Kali NetHunter for Termux installed successfully
[+] To start Kali NetHunter, type:
                        # To start NetHunter CLI
[+] nethunter
[+] nethunter kex passwd # To set the KeX password
                        # To start NetHunter GUI
[+] nethunter kex &
                        # To stop NetHunter GUI
[+] nethunter kex stop
[+] nethunter -r
                        # To run NetHunter as root
                        # Shortcut for nethunter
[+] nh
~ $ nh
___(kali⊛localhost)-[~]
  ESC
                                       END
                       HOME
                                              PGUP
         CTRL
                                              PGDN
```



18. You can exit the NetHunter CLI by entering exit.

```
08:57 >_ ◎ ♠ ···

~ $ nh

— (kali@localhost)-[~]

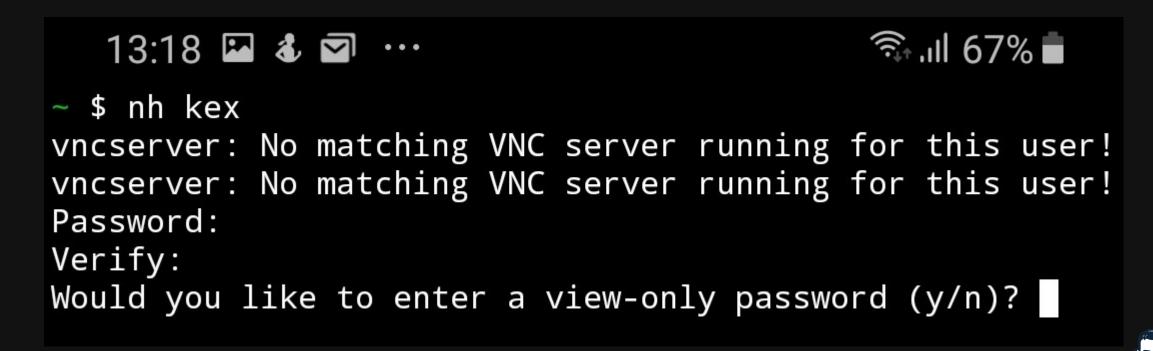
—$ exit

exit

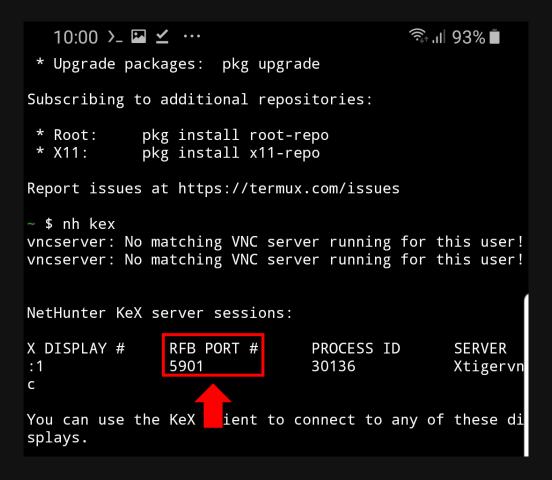
~ $ ■
```



19. Set the password for KeX VNC by running **nh kex** for the first time. You'll use the password again in Step 29 so remember it.

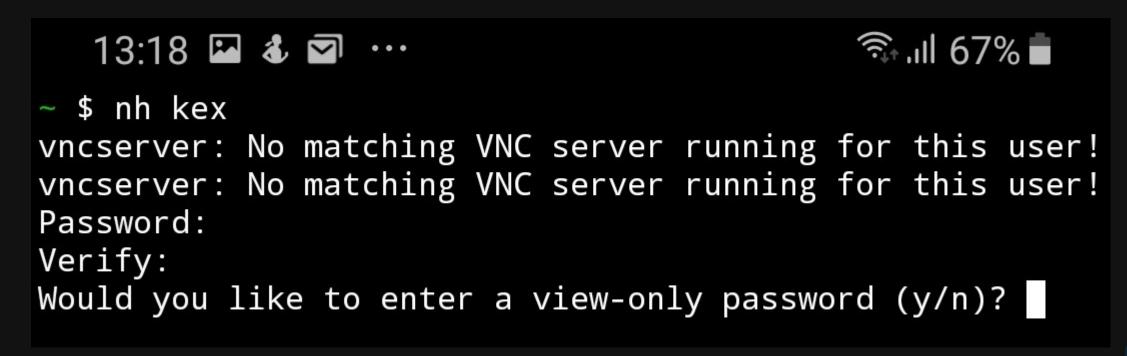


20. Remember the port number. You will use it in Step 29.

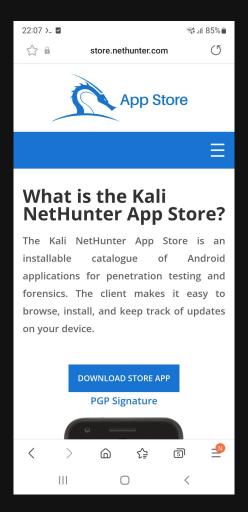




21. Set the password for KeX VNC by running nh kex for the first time. Say no to entering a view-only password.

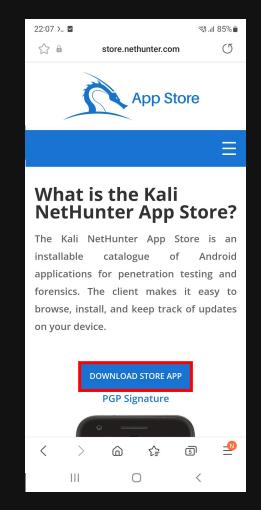


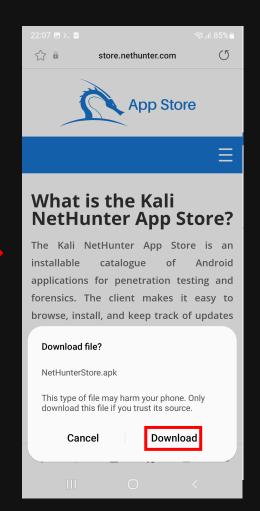
22.Go to the Kali NetHunter App Store website: https://store.nethunter.com/en/

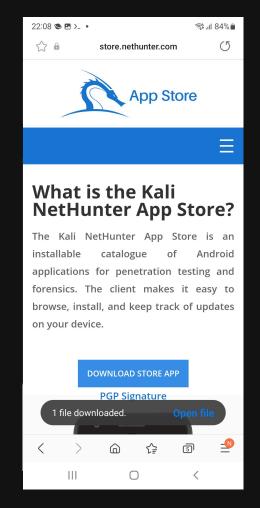




23. Download the NetHunter App Store.

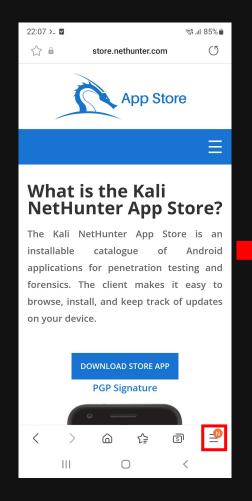


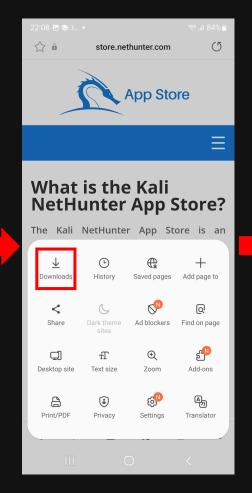




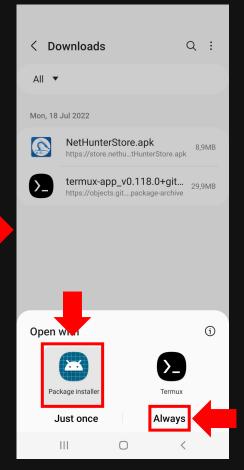


24. Press on the Hamburger button of your browser, go to downloads and install NetHunterStore.apk

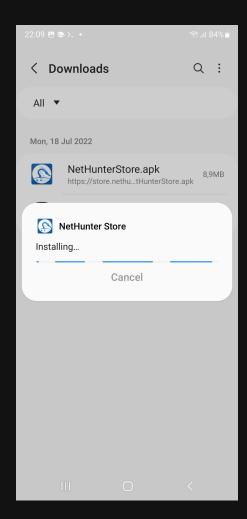




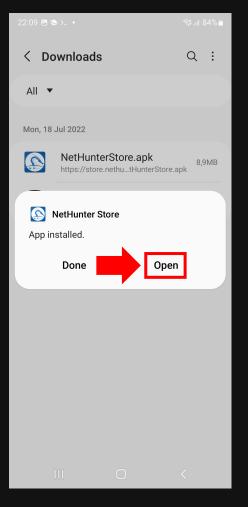






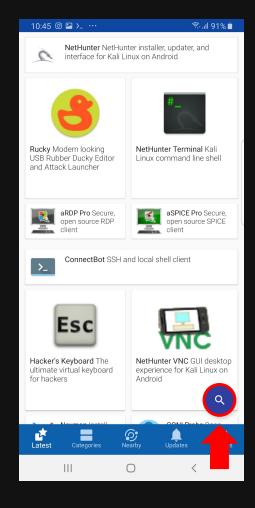


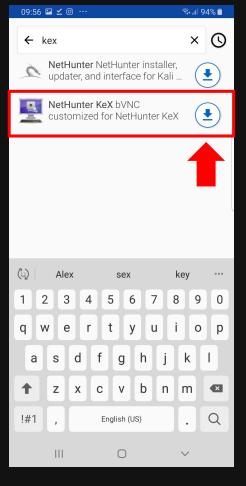






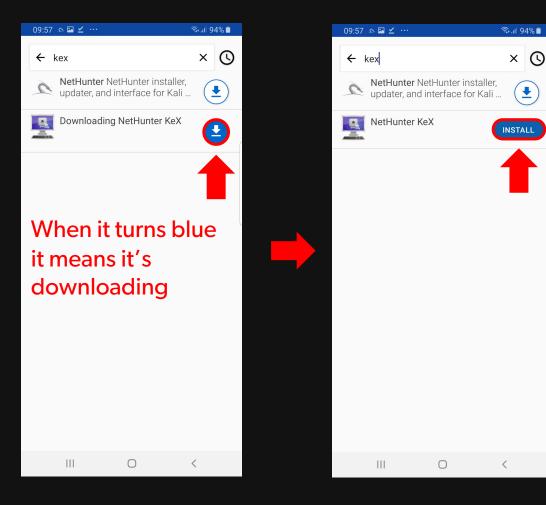
25. Press on the search button and enter KeX. Press to download NetHunter KeX.





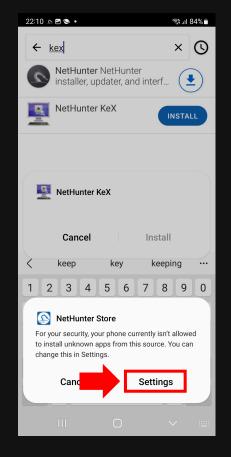


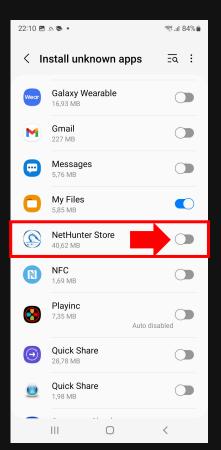
26. Press on the search button and enter KeX. Press to download and install KeX.

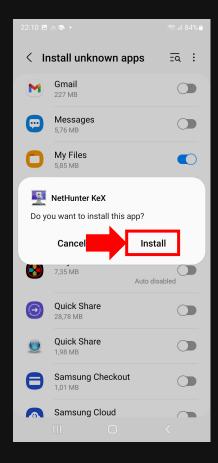




27. You will get a popup window. You click on Settings, and then toggle **Allow from this source**. Then press **Install**.

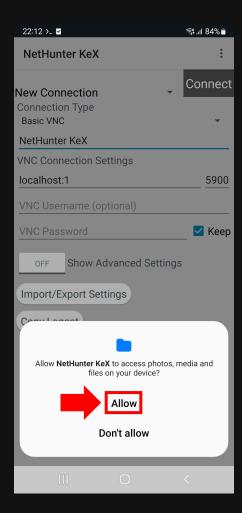








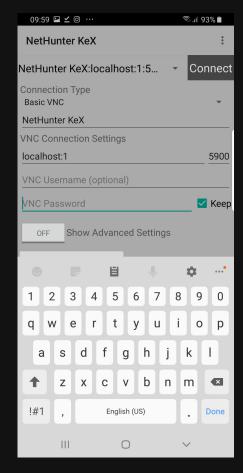
28. Press on **Allow** to allow NetHunter KeX access to your files on the device.

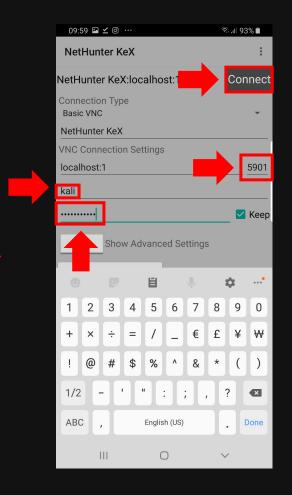




29. Enter the port number from step 20, username as kali, and your password from step 19.

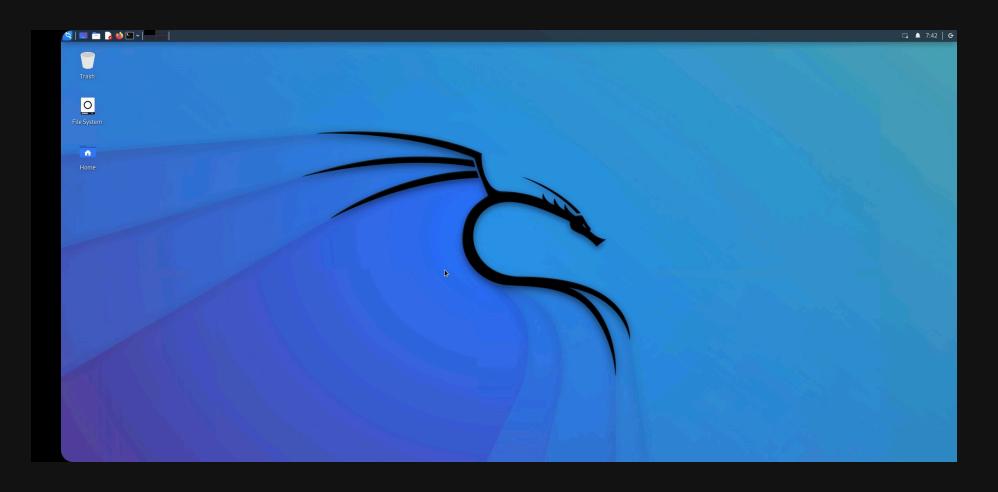
Press on Connect.







30. You now should have Rootless Kali NetHunter GUI on your Android Phone!





Get more information

- Website: https://www.youtube.com/davidbombal
- 2. Website: https://store.nethunter.com/
- 3. Website: https://www.kali.org/docs/nethunter/nethunter-rootless/

Termux problems with Android 12:

1. https://github.com/termux/termux-app/issues/2366

