

به نام خدا

موضوع : Kali NetHunter

نام و نام خانوادگی اراغه دهنده : سینا رستمی

نصب پیشنيازها

براساس سایت مرجع و رسمی (<https://www.kali.org/docs/nethunter/nethunter-rootless/>) Kali linux ، ابتدا
که بازار برنامه های مخصوص kali در موبایل میباشد را دانلود کنید. سپس از این store ، برنامه
های زیر را دانلود و نصب کنید :



Termux



NetHunter Kex



Hackers Keyboard

نصب Kali NetHunter rootles

برای نصب Kali NetHunter ، گوشی شما باید روت باشد. چنانچه گوشی شما روت نیست و میخواهید به نصب این سستم عامل بپردازید میتوانید از توزیع Kali NetHunter Rootless بهره ببرید.

- نکته : توزیع Kali NetHunter Rootless قابلیت اجرای محیط دسکتاب در Kali NetHunter Kex را ندارد. بنابراین برای اجرای محیط دسکتاب ، از سایر توزیع های Kali NetHunter استفاده کنید.

❖ در ادامه به نصب Kali NetHunter Rootless میپردازیم :

```
Welcome to Termux!  
Community forum: https://termux.com/community  
Gitter chat: https://gitter.im/termux/termux  
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  
* X11: pkg install x11-repo  
  
Report issues at https://termux.com/issues  
~ $ █
```

- ابتدا اینترنت خود را متصل کنید.
- ترجیحا فیلترشکن خود را فعال کنید.
- برنامه Termux را اجرا کنید.

۱. بررسی و بروزرسانی بسته ها و مخازن موجود

ابتدا آخرین بروزرسانی بسته ها و مخازن خود را بررسی کنید :

```
~ $ apt update ←  
Hit:1 https://termux.net stable InRelease  
All packages are up to date.  
~ $ apt upgrade ←  
Summary:  
 Upgrading: 0, Installing: 0, Removing: 0, Not Upgrad  
ing: 0
```

2. نصب wget

با استفاده از کمند apt install wget بسته wget را نصب کنید.

با استفاده از wget میتوانیم به دانلود فایل ها از اینترنت پردازیم.

```
~ $ apt install wget
wget is already the newest version (1.25.0-1).
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrad-
ing: 0
~ $ █
```

3. دانلود و نصب پکیج های proot , tar , pulseaudion , proot-distro

با استفاده از کمدهای زیر پکیج های مذکور را نصب کنید :

- pkg install wget proot tar pulseaudion -y
- pkg install wget proot tar proot-distro -y

```
$ pkg install wget proot tar pulseaudio -y ←  
wget is already the newest version (1.25.0-1).  
proot is already the newest version (5.1.107-67).  
tar is already the newest version (1.35-2).  
pulseaudio is already the newest version (17.0-3).  
Summary:  
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrad  
ing: 0  
$ pkg install wget proot tar proot-distro -y ←  
wget is already the newest version (1.25.0-1).  
proot is already the newest version (5.1.107-67).  
tar is already the newest version (1.35-2).  
proot-distro is already the newest version (4.33.0).  
Summary:  
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrad  
ing: 0  
$ █
```

4. دانلود فایل با استفاده از wget install-nethunter-termux

با استفاده از wget فایل install-nethunter-termux را به صورت زیر

دانلود کنید :

- Wget -O install-nethunter-termux https://offs.ec/2MceZWr

```
$ wget -O install-nethunter-termux https://offs.ec/2MceZWr
--2025-11-27 22:30:35-- https://offs.ec/2MceZWr
Resolving offs.ec (offs.ec)... 67.199.248.12
Connecting to offs.ec (offs.ec)|67.199.248.12|:443...
connected.
HTTP request sent, awaiting response... 302 Found
Location: https://gitlab.com/kalilinux/nethunter/build-scripts/kali-nethunter-rootless/raw/main/install-nethunter-termux [following]
--2025-11-27 22:30:45-- https://gitlab.com/kalilinux/nethunter/build-scripts/kali-nethunter-rootless/raw/main/install-nethunter-termux
Resolving gitlab.com (gitlab.com)... 172.65.251.78, 26
06:4700:90:0:f22e:fbec:5bed:a9b9
Connecting to gitlab.com (gitlab.com)|172.65.251.78|:443...
connected.
HTTP request sent, awaiting response... 200 OK
Length: 9337 (9.1K) [text/plain]
Saving to: 'install-nethunter-termux'

install-nethu 100% 9.12K --.-KB/s in 0.03s

2025-11-27 22:30:47 (267 KB/s) - 'install-nethunter-termux' saved [9337/9337]

$ █
```

۵. اجازه دسترسی مستقیم به فایل install-nethunter-termux و اجرای آن

```
Resolving offs.ec (offs.ec)... 67.199.248.12
Connecting to offs.ec (offs.ec)|67.199.248.12|:443...
connected.
HTTP request sent, awaiting response... 302 Found
Location: https://gitlab.com/kalilinux/nethunter/build-
-scripts/kali-nethunter-rootless/raw/main/install-neth
unter-termux [following]
--2025-11-27 22:30:45-- https://gitlab.com/kalilinux/
nethunter/build-scripts/kali-nethunter-rootless/raw/ma
in/install-nethunter-termux
Resolving gitlab.com (gitlab.com)... 172.65.251.78, 26
06:4700:90:0:f22e:fbec:5bed:a9b9
Connecting to gitlab.com (gitlab.com)|172.65.251.78|:4
43... connected.
HTTP request sent, awaiting response... 200 OK
Length: 9337 (9.1K) [text/plain]
Saving to: 'install-nethunter-termux'

install-nethu 100% 9.12K --.-KB/s in 0.03s

2025-11-27 22:30:47 (267 KB/s) - 'install-nethunter-te
rmux' saved [9337/9337]

~ $ chmod +x install-nethunter-termux ←
~ $ ./install-nethunter-termux ←
```

با استفاده از chmod و گزینه x + اجازه اجرای مستقیم فایل install-nethunter-termux میدهیم و سپس این فایل را اجرا میکنیم. کمند های زیر را به ترتیب بزنید :

- chmod +x install-nethunter-termux
- ./install-nethunter-termux

6. انتخاب یکی از image های full , minimal , nano

یکی از image های زیر را بر اساس نیاز خود انتخاب کنید که ما در اینجا full را انتخاب میکنیم.

```
#####
## 88      a8P      db      88      88  ##
## 88      .88'     d88b    88      88  ##
## 88      88'     d8''8b   88      88  ##
## 88 d88     d8'  '8b   88      88  ##
## 8888'88.    d8YaaaaY8b 88      88  ##
## 88P      Y8b     d8'*****8b 88      88  ##
## 88      '88.    d8'     '8b  88      88  ##
## 88      Y8b d8'     '8b  8888888888 88  ##
##                                     ##
##### ##### NetHunter #####
[*] Checking device architecture ...
[1] NetHunter ARM64 (full)
[2] NetHunter ARM64 (minimal)
[3] NetHunter ARM64 (nano)
Enter the image you want to install: [
```

- **Full** : شامل تمامی ابزار های kali nethunter میباشد.
- **Minimal** : نسخه ای سبک که حاوی ابزار های پایه میباشد و شما میتوانید ابزار های مورد نیاز خود را دانلود و نصب کنید. این ایمیج مناسب تست میباشد.
- **Nano** : نسخه ای فوق سبک میباشد و تقریبا هیچ یک از ابزارها را نمیباشد و خودتان باید آنها را نصب کنید.

شروع دانلود فایل image انتخاب شده

```
## 88      '88. d8'          '8b  88      88  ##
## 88      Y8b d8'          '8b 8888888888 88  ##
##                                     ##
##### ##### NetHunter #####
[*] Checking device architecture ...

[1] NetHunter ARM64 (full)
[2] NetHunter ARM64 (minimal)
[3] NetHunter ARM64 (nano)
Enter the image you want to install: 1

[?] Existing rootfs directory found. Delete and create
a new one? [y/N] y

[*] Checking package dependencies...
    proot is OK
    tar is OK
    axel is OK
Summary:
Upgrading: 0, Installing: 0, Removing: 0, Not Upgrad
ing: 0

[?] Existing image file found. Delete and download a n
ew one? [y/N] y
```

```
#####
##          ##          ##
## 88     a8P      db    88    88  ##
## 88   .88'      d88b   88    88  ##
## 88   88'      d8''8b   88    88  ##
## 88 d88      d8'  '8b   88    88  ##
## 8888'88.      d8YaaaaY8b   88    88  ##
## 88P   Y8b      d8''''''8b   88    88  ##
## 88   '88.      d8'      '8b   88    88  ##
## 88     Y8b d8'      '8b 8888888888 88  ##
##          ##          ##
##### ##### NetHunter #####
```

[*] Checking device architecture ...

- [1] NetHunter ARM64 (full)
- [2] NetHunter ARM64 (minimal)
- [3] NetHunter ARM64 (nano)

Enter the image you want to install: 1

[?] Existing rootfs directory found. Delete and create a new one? [y/N] y

[*] Checking package dependencies...

proot is OK
 tar is OK
 axel is OK

Summary:

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

[?] Existing image file found. Delete and download a new one? [y/N] y

[*] Downloading rootfs...

Initializing download: https://kali.download/nethunter-images/current/rootfs/kali-nethunter-rootfs-full-arm64.tar.xz

File size: 2.09808 Gigabyte(s) (2252796572 bytes)

Opening output file kali-nethunter-rootfs-full-arm64.tar.xz

Starting download

[4%] [0 1 2 3] [16.3MB/s] [02:04]

```
#####
##          ##          ##
## 88     a8P      db    88    88  ##
## 88   .88'      d88b   88    88  ##
## 88   88'      d8''8b   88    88  ##
## 88 d88      d8'  '8b   88    88  ##
## 8888'88.      d8YaaaaY8b   88    88  ##
## 88P   Y8b      d8''''''8b   88    88  ##
## 88   '88.      d8'      '8b   88    88  ##
## 88     Y8b d8'      '8b 8888888888 88  ##
##          ##          ##
##### ##### NetHunter #####
```

[*] Checking device architecture ...

- [1] NetHunter ARM64 (full)
- [2] NetHunter ARM64 (minimal)
- [3] NetHunter ARM64 (nano)

Enter the image you want to install: 1

[?] Existing rootfs directory found. Delete and create a new one? [y/N] y

[*] Checking package dependencies...

proot is OK
 tar is OK
 axel is OK

Summary:

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

[?] Existing image file found. Delete and download a new one? [y/N] y

[*] Downloading rootfs...

Initializing download: https://kali.download/nethunter-images/current/rootfs/kali-nethunter-rootfs-full-arm64.tar.xz

File size: 2.09808 Gigabyte(s) (2252796572 bytes)

Opening output file kali-nethunter-rootfs-full-arm64.tar.xz

Starting download

[50%] [..0 ..1 ..2 ..3] [20.0MB/s] [00:54]

```
#####
##          ##          ##
## 88     a8P      db    88    88  ##
## 88   .88'      d88b   88    88  ##
## 88   88'      d8''8b   88    88  ##
## 88 d88      d8'  '8b   88    88  ##
## 8888'88.      d8YaaaaY8b   88    88  ##
## 88P   Y8b      d8''''''8b   88    88  ##
## 88   '88.      d8'      '8b   88    88  ##
## 88     Y8b d8'      '8b 8888888888 88  ##
##          ##          ##
##### ##### NetHunter #####
```

[*] Checking device architecture ...

- [1] NetHunter ARM64 (full)
- [2] NetHunter ARM64 (minimal)
- [3] NetHunter ARM64 (nano)

Enter the image you want to install: 1

[?] Existing rootfs directory found. Delete and create a new one? [y/N] y

[*] Checking package dependencies...

proot is OK
 tar is OK
 axel is OK

Summary:

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

[?] Existing image file found. Delete and download a new one? [y/N] y

[*] Downloading rootfs...

Initializing download: https://kali.download/nethunter-images/current/rootfs/kali-nethunter-rootfs-full-arm64.tar.xz

File size: 2.09808 Gigabyte(s) (2252796572 bytes)

Opening output file kali-nethunter-rootfs-full-arm64.tar.xz

Starting download

[100%] [.....0.....1.....2.....3] [20.7MB/s] [00:00]

8 . استخراج خودکار فایل image

```
[*] Downloading rootfs...

Initializing download: https://kali.download/nethunter
-images/current/rootfs/kali-nethunter-rootfs-full-arm6
4.tar.xz
File size: 2.09808 Gigabyte(s) (2252796572 bytes)
Opening output file kali-nethunter-rootfs-full-arm64.t
ar.xz
Starting download

Connection 2 finished
Connection 1 finished
Connection 3 finished
Connection 0 finished
Connection 1 finished
Connection 0 finished
Connection 2 finished
Connection 3 finished
Error on connection 1! Connection closed
Connection 0 finished
[100%] [.....] [ 19.7MB/s] [00:00]

Downloaded 2.09808 Gigabyte(s) in 1:48 minute(s). (202
20.47 KB/s)

[*] Getting SHA ...

[!] SHA_URL does not exist. Skipping download.

[*] Extracting rootfs...
```

10. حذف یا عدم حذف فایل image و پیکربندی image برای kali nethunter

```
Connection 2 finished
Connection 1 finished
Connection 3 finished
Connection 0 finished
Connection 1 finished
Connection 0 finished
Connection 2 finished
Connection 3 finished
Error on connection 1! Connection closed
Connection 0 finished
[100%] [.....] [ 19.7MB/s] [00:00]
Downloaded 2.09808 Gigabyte(s) in 1:48 minute(s). (202
20.47 KB/s)

[*] Getting SHA ...
[!] SHA_URL does not exist. Skipping download.

[*] Extracting rootfs...

[?] Delete downloaded rootfs file? [y/N] y
```

```
[*] Extracting rootfs...

[?] Delete downloaded rootfs file? [y/N] y

[*] Configuring NetHunter for Termux ...
  (Message from Kali developers)
    This is a minimal installation of Kali Linux, you li
    kely
    want to install supplementary tools. Learn how:
      → https://www.kali.org/docs/troubleshooting/common-m
inimum-setup/
    (Run: "touch ~/.hushlogin" to hide this message)
  (Message from Kali developers)
    This is a minimal installation of Kali Linux, you li
    kely
    want to install supplementary tools. Learn how:
      → https://www.kali.org/docs/troubleshooting/common-m
inimum-setup/
    (Run: "touch ~/.hushlogin" to hide this message)
```

3. Start NetHunter

```
#####
##          ##          ##
##  88      a8P      db      88      88  ##
##  88      .88'      d88b    88      88  ##
##  88      88'      d8''8b   88      88  ##
##  88 d88      d8'  '8b   88      88  ##
##  8888'88.      d8YaaaaY8b 88      88  ##
##  88P  Y8b      d8'*****'8b 88      88  ##
##  88      '88.  d8'      '8b  88      88  ##
##  88      Y8b d8'      '8b  8888888888 88  ##
##          ##          ##
#####  ##### NetHunter #####
[=] 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 start  # To start NetHunter GUI
[+] nethunter kex stop   # To stop NetHunter GUI
[+] nethunter -r         # To run NetHunter as root
[+] nh                  # Shortcut for nethunter

~ $ █
```

بر اساس راهنمای شروع کار با nethunter ، برای اجرای آن کافیست از دستور nethunter استفاده کنید.
همچنین درصورتی که میخواهید به عنوان کاربر root وارد شویر میتوانید از r – استفاده کنید.

```
##          ##
##  88      a8P      db      88      88  ##
##  88      .88'     d88b    88      88  ##
##  88      88'     d8' '8b   88      88  ##
##  88 d88     d8'  '8b   88      88  ##
##  8888'88.    d8YaaaaY8b  88      88  ##
##  88P      Y8b     d8''''''8b  88      88  ##
##  88      '88.    d8'      '8b  88      88  ##
##  88      Y8b d8'    '8b  8888888888  88  ##
##          ##
##### ##### NetHunter #####
[=] 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 start  # To start NetHunter GUI
[+] nethunter kex stop   # To stop NetHunter GUI
[+] nethunter -r        # To run NetHunter as root
[+] nh                  # Shortcut for nethunter

~ $ nethunter
└─(kali㉿localhost)-[~]
└─$
```

User ها و رمز های پیشفرض

به صورت پیشفرض ، دو user با نام های root و kali وجود دارد. در موقعی ممکن است از شما رمز user مربوطه درخواست شود. مانند زمانی که با استفاده از sudo به نصب پکیجی میپردازید. بنابراین لازم است که رمز پیشفرض هر user را بدانید :

- Password (Kali) → kali
 - Password (root) → too

```
(kali㉿localhost) - [ ~ ]  
└$ su  
Password:   
└(root㉿localhost) - [/home/kali]  
└# 
```

```
#####
## 88      a8P      db      88      88 ##  
## 88     .88'      d88b    88      88 ##  
## 88  88'       d8' '8b   88      88 ##  
## 88 d88       d8'   '8b   88      88 ##  
## 8888'88.     d8YaaaaY8b  88      88 ##  
## 88P     Y8b     d8' '88'  88      88 ##  
## 88     '88.    d8'       '8b  88      88 ##  
## 88      Y8b d8'      '8b  8888888888 88 ##  
##  
##### ##### NetHunter #####  
  
[=] 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 start  # To start NetHunter GUI  
[+] nethunter kex stop   # To stop NetHunter GUI  
[+] nethunter -r         # To run NetHunter as root  
[+] nh                  # Shortcut for nethunter  
  
- $ nethunter  
[(kali㉿localhost)-[~]]  
$ sudo apt update  
[sudo] password for kali:   
0% [Working] 
```

بروزرسانی بسته ها و مخازن kali nethunter

```
~ $ nethunter
└─(kali㉿localhost)-[~]
$ sudo apt update
[sudo] password for kali:
Get:1 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling InRelease [34.0 kB]
Get:2 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/main arm64 Packages [20.8 MB]
Get:3 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/main arm64 Contents (deb) [49.1 MB]
Get:4 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/contrib arm64 Packages [100 kB]
Get:5 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/contrib arm64 Contents (deb) [179 kB]
Get:6 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/non-free arm64 Packages [147 kB]
Get:7 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/non-free arm64 Contents (deb) [850 kB]
Get:8 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/non-free-firmware arm64 Packages [10.8 kB]
Get:9 http://us.mirror.ionos.com/linux/distributions/kali/kali kali-rolling/non-free-firmware arm64 Contents (deb) [27.7 kB]
Fetched 71.2 MB in 43s (1663 kB/s)
826 packages can be upgraded. Run 'apt list --upgradable' to see them.

└─(kali㉿localhost)-[~]
$ █
```

جهت بروزرسانی بسته ها و مخازن kali nethunter ، کمند های زیر را به ترتیب بزنید :

- Sudo apt update
- Sudo apt upgrade

```
(kali㉿localhost) - [~]
$ sudo apt upgrade
The following packages were automatically installed and are no longer required:
  gir1.2-girepository-2.0
  libbluray2
  libdisplay-info2
  libgirepository-1.0-1
  libgpgme11t64
  libgpgmep6t64
  libgps30t64
  libinstpatch-1.0-2
  libjs-jquery-ui
  libjs-underscore
  libnet1
  libplacebo349
  librav1e0.7
  libtheoradec1
  libtheoraenc1
  libudfread0
  libwireshark18
  libwiretap15
  libwsutil16
  libx264-164
  python3-bluepy
  python3-click-plugins
  python3-kismetcapturebtgeiger
  python3-kismetcapturefreaklabszigbee
  python3-kismetcapturertl433
  python3-kismetcapturetladsb
  python3-kismetcapturetlamr
  python3-legacycrypt
  python3-passlib
  python3-zombie-imp
  tcptrace
  xplot-xplot.org
Use 'sudo apt autoremove' to remove them.
```

libmpfr6
libmpg123-0t64
libnet-http-perl
libnettle8t64
libnfsidmap1
libnftables1
libnghttp3-9
libngtcp2-16
libngtcp2-crypto-gnutls8
libnids1.21t64
libnl-3-200
libnl-genl-3-200
libnl-route-3-200
libnm0
libnode115
libnorm1t64
libnspr4
libnss-mdns
libnss3
libnvme1t64
libogg0
libonnxruntime1.21
liboobs-1-5
libopenconnect5
libopenmpt0t64
libp11-kit0
libpam-gnome-keyring
libpam-systemd
libpango-1.0-0
libpangocairo-1.0-0
libpangoft2-1.0-0
libpangooxft-1.0-0
libparted2t64
libpcre2-16-0
libpcre2-8-0
libpcsslite1
libpipeline1
libpipewire-0.3-0t64
libpipewire-0.3-common
libpipewire-0.3-modules
libpixman-1-0
libpkcs11-helper1t64
libplist-2.0-4
libpoppler-glib8t64
libpoppler147
libpostproc58
libpq5
libprotobuf32t64
libproxy1v5
libpython3-dev
libpython3-stdlib
libzmq5

```
D      : show the differences between the version
s
Z      : start a shell to examine the situation
The default action is to keep your current version.
*** bash.bashrc (Y/I/N/O/D/Z) [default=N] ? n
update-alternatives: using /usr/share/man/man7/bash-builtins.7.gz to provide /usr/share/man/man7/builtins.7.gz (builtins.7.gz) in auto mode
(Reading database ... 316654 files and directories currently installed.)
Preparing to unpack .../diffutils_1%3a3.12-1_arm64.deb ...
...
Unpacking diffutils (1:3.12-1) over (1:3.10-4) ...
Setting up diffutils (1:3.12-1) ...
(Reading database ... 316654 files and directories currently installed.)
Preparing to unpack .../archives/grep_3.12-1_arm64.deb ...
...
Unpacking grep (3.12-1) over (3.11-4+b1) ...
Setting up grep (3.12-1) ...
(Reading database ... 316653 files and directories currently installed.)
Preparing to unpack .../eject_2.41.2-4_arm64.deb ...
Unpacking eject (2.41.2-4) over (2.41.1-1) ...
Preparing to unpack .../libblkid1_2.41.2-4_arm64.deb ...
...
Unpacking libblkid1:arm64 (2.41.2-4) over (2.41.1-1) ...
...
Setting up libblkid1:arm64 (2.41.2-4) ...
(Reading database ... 316653 files and directories currently installed.)
Preparing to unpack .../libmount1_2.41.2-4_arm64.deb ...
...
Unpacking libmount1:arm64 (2.41.2-4) over (2.41.1-1) ...
...
Setting up libmount1:arm64 (2.41.2-4) ...
(Reading database ... 316653 files and directories currently installed.)
Preparing to unpack .../libsmartcols1_2.41.2-4_arm64.deb ...
...
Unpacking libsmartcols1:arm64 (2.41.2-4) over (2.41.1-1) ...
...
Setting up libsmartcols1:arm64 (2.41.2-4) ...
(Reading database ... 316653 files and directories currently installed.)
Preparing to unpack .../libuuid1_2.41.2-4_arm64.deb ...
...
Unpacking libuuid1:arm64 (2.41.2-4) over (2.41.1-1) ...
...
Setting up libuuid1:arm64 (2.41.2-4) ...
(Reading database ... 30%
```

```
Setting up python3-requests (2.32.5+dfsg-1) ...
Setting up gtk2-engines-pixbuf:arm64 (2.24.33-9) ...
Setting up python3-kiwisolver (1.4.10-rc0-1) ...
Setting up python3-brlapi:arm64 (6.8-4) ...
Setting up libgupnp-igd-1.6-0:arm64 (1.6.0-5) ...
Setting up python3-setproctitle:arm64 (1.3.7-1) ...
Setting up libfalcosecurity0t64:arm64 (0.20.0-4) ...
Setting up onboard-common (1.4.1-10.1) ...
Setting up ettercap-text-only (1:0.8.3.1-15+b1) ...
Setting up python3-redis (6.4.0-1) ...
Setting up python3-numpy (1:2.3.5+ds-2) ...
Setting up libnm0:arm64 (1.54.1-1) ...
Setting up python3-rpds-py (0.27.1-2) ...
Setting up libsrt1.5-gnutls:arm64 (1.5.4-3) ...
Setting up avahi-daemon (0.8-17) ...
Installing new version of config file /etc/avahi/avahi-
-daemon.conf ...
invoke-rc.d: could not determine current runlevel
Reloading system message bus config...Failed to open c
onnection to "system" message bus: Failed to connect t
o socket /run/dbus/system_bus_socket: No such file or
directory
invoke-rc.d: initscript dbus, action "force-reload" fa
iled.
Setting up python3-kaitaistruct (0.11-1) ...
Setting up libgd3-pixbuf2.0-bin (2.44.4+dfsg-1) ...
Setting up python3-lxml:arm64 (6.0.2-1) ...
Setting up libwsutil17:arm64 (4.6.0-1) ...
Setting up python3-shodan (1.31.0-2) ...
Setting up gnupg (2.4.8-4) ...
Setting up libpam-systemd:arm64 (259-rc1-1) ...
Setting up libharfbuzz-subset0:arm64 (12.1.0-1) ...
Setting up gcc-14-aarch64-linux-gnu (14.3.0-10) ...
Setting up libqt6core5compat6:arm64 (6.9.2-3) ...
Setting up curl (8.17.0-2) ...
Setting up exploitdb (20251101-Okali1) ...
Setting up mesa-va-drivers:arm64 (25.2.6-1) ...
Setting up libmbim-utils (1.32.0-2) ...
Setting up p11-kit (0.25.9-2) ...
Setting up gir1.2-nm-1.0:arm64 (1.54.1-1) ...
Setting up kismet-capture-linux-wifi (2025.09.R1-Okali
3) ...
Installing Kismet with suid-root capture helper ...
Setting up python3-protobuf (3.21.12-14) ...
Setting up python3-mpmath (1.3.0-2) ...
Setting up libgpgme45:arm64 (2.0.1-2) ...
Setting up bind9-host (1:9.20.15-2) ...
Setting up python3-gi-cairo (3.54.5-7) ...
Setting up gpsd (3.26.1-1) ...
Creating/updating gpsd user account...
```