

# به نام خدا

موضوع : Kali NetHunter

نام و نام خانوادگی اراعه دهنده : سینا رستمی

# نصب پیشنیاز ها

براساس سایت مرجع و رسمی [Kali linux](https://www.kali.org/docs/nethunter/nethunter-rootless/) ( <https://www.kali.org/docs/nethunter/nethunter-rootless/> ) ، ابتدا NetHunter store 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 سیستم عامل پردازید میتوانید از توزیع Kali NetHunter Rootless بهره ببرید.

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

❖ در ادامه به نصب Kali NetHunter Rootless میپردازیم :

• ابتدا اینترنت خود را متصل کنید.

• ترجیحا فیلترشکن خود را فعال کنید.

• برنامه Termux را اجرا کنید.

```
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
```

```
~ $ █
```

# 1. 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 `apt install wget` ، بسته wget را نصب کنید.

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

```
~ $ 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 کمندهای 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 Upgrading: 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 Upgrading: 0
~ $
```

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

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-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]

~ $
```

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

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

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

```
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
```



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

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

- 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 ایمج مناسب تست میباشد.

- Nano : نسخه ای فوق سبک میباشد و تقریبا هیچ یک از ابزار ها را دارا نمیباشد و خودتان باید آنها را نصب 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 #####

[*] Checking device architecture ...

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

## 7. 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 Upgrad
ing: 0

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

[ 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 Upgrad
ing: 0

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

[ 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 Upgrad
ing: 0

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

[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-arm64.tar.xz
File size: 2.09808 Gigabyte(s) (2252796572 bytes)
Opening output file kali-nethunter-rootfs-full-arm64.tar.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). (2020.47 KB/s)

[*] Getting SHA ...

[!] SHA_URL does not exist. Skipping download.

[*] Extracting rootfs...
```

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

```
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-minimum-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-minimum-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 در صورتی که میخواهید به عنوان کاربر root وارد شوید میتوانید از nethunter -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 مواقعی 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) → toor

```
(kali@localhost)-[~]
$ su
Password:  toor
(kali@localhost)-[~]
#
```

```
#####
##                                     ##
##  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)-[~]
$ sudo apt update
[sudo] password for kali:  kali
0% [Working]
```



# بروزرسانی بسته ها و مخازن kali nethunter

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

- Sudo apt update
- Sudo apt upgrade

```
~ $ 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)-[~]
$
```

```
(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  
libgpgmepp6t64  
libgps30t64  
libinstpatch-1.0-2  
libjs-jquery-ui  
libjs-underscore  
libnet1  
libplacebo349  
librav1e0.7  
libtheoradec1  
libtheoraenc1  
libudfread0  
libwiresniff18  
libwiretap15  
libwsutil16  
libx264-164  
python3-bluepy  
python3-click-plugins  
python3-kismetcapturebtgeiger  
python3-kismetcapturefreaklabszigbee  
python3-kismetcapturerrtl433  
python3-kismetcapturerrtladsb  
python3-kismetcapturerrtlamr  
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
libpangoxft-1.0-0
libparted2t64
libpcre2-16-0
libpcre2-8-0
libpcsc-lite1
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
lib
```

```
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-bu
iltins.7.gz to provide /usr/share/man/man7/builtins.7.
gz (builtins.7.gz) in auto mode
(Reading database ... 316654 files and directories cur
rently 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 cur
rently 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 cur
rently 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 cur
rently 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 cur
rently installed.)
Preparing to unpack .../libsmartcols1_2.41.2-4_arm64.d
eb ...
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 cur
rently 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%
Progress: [ 1%] [
```

```
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 libfalconsecurity0t64: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 libsrtp1.5-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 libgdk-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 (20251101-0kali1) ...
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.R1-0kali
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...
Progress: [ 84%] [
```