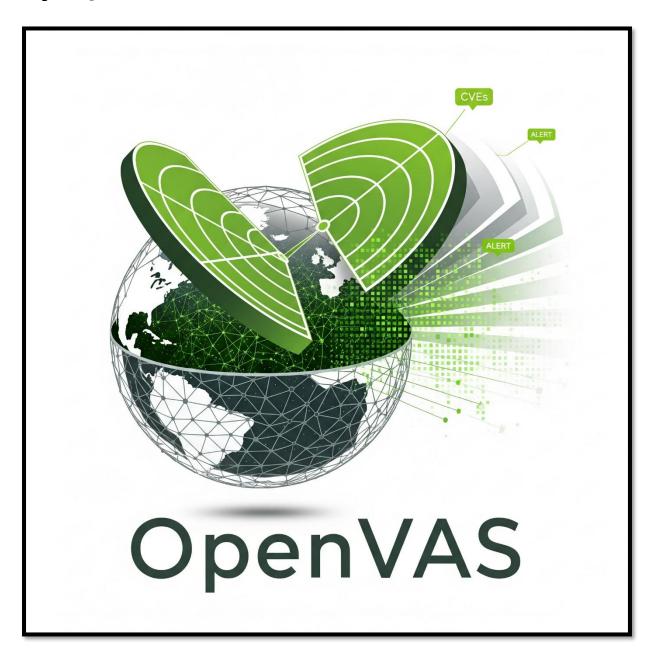
<u>Platform: Kali Linux</u>

Name: Ayesha Nadeem

Topic: OpenVAS



Contact Me: ayeshanm8@gmail.com

<u>**Date:**</u> 11th July, 2025

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OpenVAS: Open Source Vulnerability Scanner

<u>Task 1:</u>

Install & Setup OpenVAS:

```
(ayeshanadeem⊕ayeshanadeem)-[~]
$ sudo apt install openvas
Note, selecting 'gvm' instead of 'openvas'
gvm is already the newest version (24.11.1).
The following packages were automatically installed and are no lo
  dnsmap
                            libconfig++9v5
                                                     libglu1-mesa
  figlet
                            libconfig9
                                                     libglusterf:
                            libdaxctl1
  finger
                                                     libglut-dev
  firebird3.0-common
                            libdirectfb-1.7-7t64
                                                     libglut3.12
                                                      libglvnd-co:
                            libegl-dev
  firebird3.0-common-doc
  fonts-liberation2
                            libflac12t64
                                                      libglvnd-dev
                            libfmt9
                                                      libglx-dev
  freerdp2-x11
  hydra-gtk
                            libfreerdp-client2-2t64 libgspell-1-
  ibverbs-providers
                            libfreerdp2-2t64
                                                     libgtk2.0-0
  imagemagick
                            libgail-common
                                                     libgtk2.0-b:
                                                     libgtk2.0-co
  imagemagick-6.q16
                            libgail18t64
  imagemagick-7.q16
                            libgdal34t64
                                                     libgtksource
  libarmadillo12
                            libgeos3.12.1t64
                                                     libgtksource
                            libgeos3.13.0
                                                     libgtksource
  libassuan0
  libavfilter9
                            libgfapi0
                                                      libgumbo2
  libavformat60
                            libgfrpc0
                                                     libhdf5-103-
  libbfio1
                            libgfxdr0
                                                     libhdf5-hl-:
  libblosc2-4
                            libgl-dev
                                                     libibverbs1
  libboost-iostreams1.83.0
                            libgl1-mesa-dev
                                                     libice-dev
  libboost-thread1.83.0
                            libglapi-mesa
                                                     libimobilede
  libcapstone4
                            libgles-dev
                                                     libiniparse
  libcephfs2
                            libgles1
                                                      libjim0.82t@
Use 'sudo apt autoremove' to remove them.
Summary:
  Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 0
```

```
r<mark>eshanadeem</mark>)-[/home/ayeshanadeem]
[>] Starting PostgreSQL service
[>] Creating GVM's certificate files
[>] Creating PostgreSQL database
[*] Creating database user
[*] Creating database
[*] Creating permissions
CREATE ROLE
[*] Applying permissions
GRANT ROLE
[*] Creating extension uuid-ossp
CREATE EXTENSION
[*] Creating extension pgcrypto
CREATE EXTENSION
[*] Creating extension pg-gvm
CREATE EXTENSION
[>] Migrating database
[>] Checking for GVM admin user
[*] Creating user admin for gvm
[*] Please note the generated admin password
[*] User created with password '4db0beaf-475e-4e74-a5ee-760acbbd8ccc'.
[*] Configure Feed Import Owner
[*] Define Feed Import Owner
[*] Update GVM feeds
Running as root. Switching to user '_gvm' and group '_gvm'.
Trying to acquire lock on /var/lib/openvas/feed-update.loc
[*] Checking Default scanner[*] Modifying Default Scanner
Scanner modified.
[*] Please note the password for the admin user
[*] User created with password '4db0beaf-475e-4e74-a5ee-760acbbd8ccc'.
[>] You can now run gvm-check-setup to make sure everything is correctly configured
```

Task 2

Configure & Start GVM

Creating Admin & setting Password:

```
(root@ ayeshanadeem)-[/home/ayeshanadeem]
sudo gvmd --user=admin --new-password=2581
```

To create a new user:

```
(root@ayeshanadeem)-[/home/ayeshanadeem]

sudo runuser -u _gvm -- gvmd --create-user=user1 --new-password=12345
```

Admin Password Change:

```
(root@ ayeshanadeem)-[/home/ayeshanadeem]
# sudo runuser -u _gvm -- gvmd --user=admin --new-password=25811
```

Verifying Installation:

```
File Actions Edit View Help
 —(ayeshanadeem⊛ ayeshanadeem)-[~]
$ sudo gvm-check-setup
[sudo] password for ayeshanadeem:
gvm-check-setup 23.11.0
 Test completeness and readiness of GVM-23.11.0
Step 1: Checking OpenVAS (Scanner)...
       OK: OpenVAS Scanner is present in version 23.13.1.
       OK: Notus Scanner is present in version 22.6.4.
       OK: Server CA Certificate is present as /var/lib/gvm/CA/servercert.pem.
Checking permissions of /var/lib/openvas/gnupg/*
       OK: _gvm owns all files in /var/lib/openvas/gnupg
       OK: redis-server is present.
       OK: scanner (db_address setting) is configured properly using the redis
       OK: the mqtt_server_uri is defined in /etc/openvas/openvas.conf
       OK: _gvm owns all files in /var/lib/openvas/plugins
       OK: NVT collection in /var/lib/openvas/plugins contains 3228 NVTs.
       OK: The notus directory /var/lib/notus/products contains 495 NVTs.
```

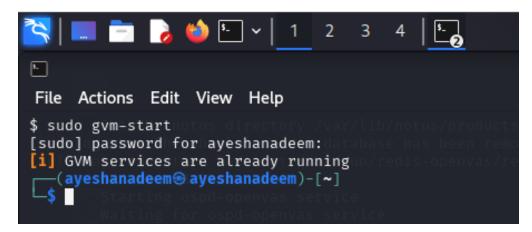
```
OK: gsad service is active.

Step 8: Checking few other requirements...
OK: nmap is present.
OK: ssh-keygen found, LSC credential generation for GNU/Linux targets is likely to work.
OK: nsis found, LSC credential package generation for Microsoft Windows targets is likely to work.
OK: xsltproc found.
WARNING: Your password policy is empty.
SUGGEST: Edit the /etc/gvm/pwpolicy.conf file to set a password policy.

Step 9: Checking greenbone-security-assistant...
OK: greenbone-security-assistant is installed

It seems like your GVM-23.11.0 installation is OK.
```

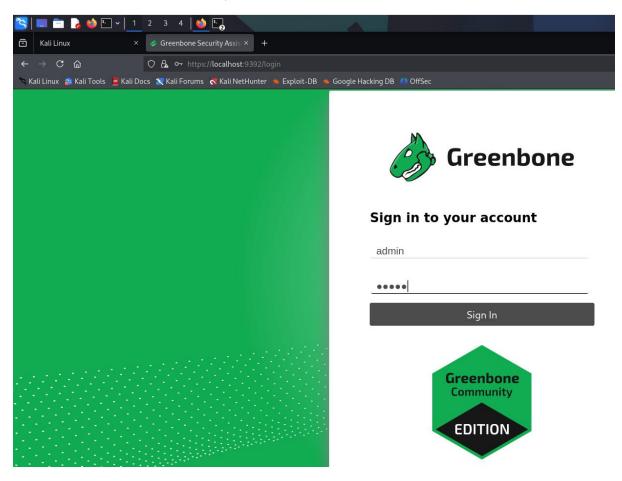
Starting GVM:



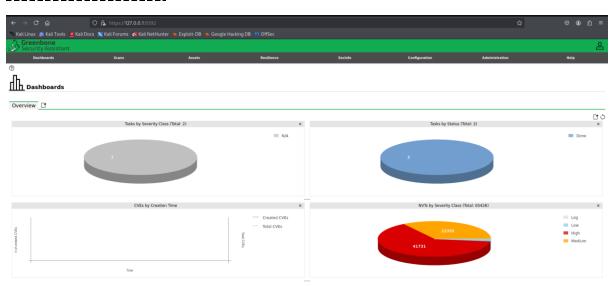
If not start automatically, type https://localhost:9392

Greenbone Log-in

Add admin credentials that you set above



Greenbone Dashboard

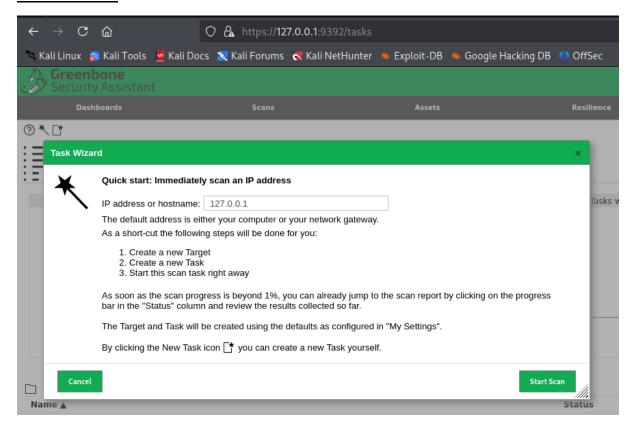


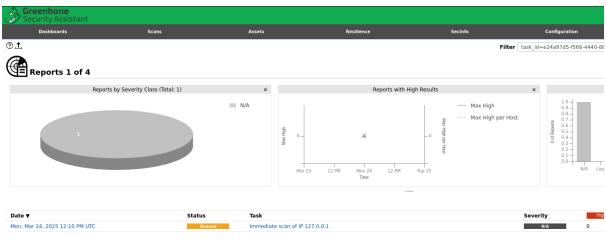
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Task 3

Perform a basic scanning:

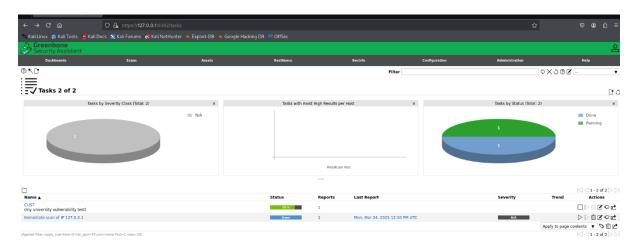
Local Host Scan



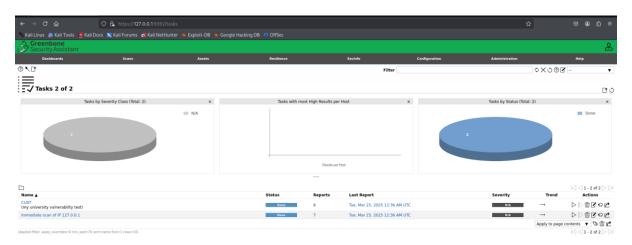


(Applied filter: apply_overrides=0 min_qod=70 task_id=e24a97d5-f566-4440-88a7-5bf0a21a8405 sort-reverse=date rows=10 first=1)

Cust IP scan

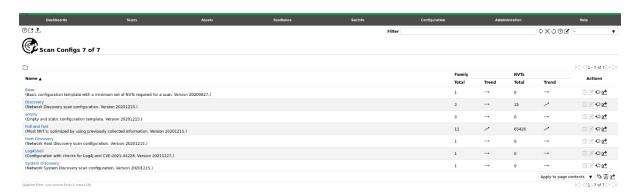


Scanned Done (of both CUST IP and local host)



Additional screen shots:

Scan Config:



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Feed Status

