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OpenVAS Debian 12

As root:

```
apt-get install sudo vim
sudo useradd -r -M -U -G sudo -s /usr/sbin/nologin gvm
sudo usermod -aG gvm em1069
sudo usermod -aG sudo em1069
```

As em1069:

```
echo 'set mouse=-a' > $HOME/.vimrc
echo 'syntax on' > $HOME/.vimrc
sudo apt-get update
sudo apt-get install --no-install-recommends --assume-yes build-essential
curl cmake pkg-config python3 python3-pip gnupg libglib2.0-dev libgpgme-dev
libgnutls28-dev  uuid-dev libssh-gcrypt-dev libhiredis-dev libxml2-dev
libpcap-dev libnet1-dev libpaho-mqtt-dev libldap2-dev libradcli-dev libpq-
dev postgresql-server-dev-15 libical-dev xsltproc rsync libbsd-dev texlive-
latex-extra texlive-fonts-recommended xmlstarlet zip rpm fakeroot dpkg nsis
gpgsm wget sshpass openssh-client socat snmp smbclient python3-lxml gnutls-
bin xml-twig-tools libmicrohttpd-dev git gcc-mingw-w64 libpopt-dev
libunistring-dev heimdal-dev perl-base bison libgcrypt20-dev libksba-dev
nmap libjson-glib-dev python3-impacket libsnmp-dev python3-setuptools
python3-packaging python3-wrapt python3-cffi python3-psutil python3-
defusedxml python3-paramiko python3-redis python3-gnupg python3-paho-mqtt
python3-venv redis-server mosquitto postgresql libcjson-dev libcurl4-
openssl-dev
cd $HOME
export SOURCE_DIR=$HOME/source
mkdir -p $SOURCE_DIR
export GVM_LIBS_VERSION=22.10.0
curl -f -L
https://github.com/greenbone/gvm-libs/archive/refs/tags/v$GVM_LIBS_VERSION.t
ar.gz -o $SOURCE_DIR/gvm-libs-$GVM_LIBS_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/gvm-libs-$GVM_LIBS_VERSION.tar.gz
cd $SOURCE_DIR/gvm-libs-$GVM_LIBS_VERSION
mkdir build
cd build
cmake ../ \
  -DCMAKE_BUILD_TYPE=Release \
  -DSYSCONFDIR=/etc \
  -DLOCALSTATEDIR=/var
make -j$(nproc)
sudo make install
cd $HOME
export GVMD_VERSION=23.8.1
curl -f -L
https://github.com/greenbone/gvmd/archive/refs/tags/v$GVMD_VERSION.tar.gz -o
$SOURCE_DIR/gvmd-$GVMD_VERSION.tar.gz
```

```
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/gvmd-$GVMD_VERSION.tar.gz
cd  $SOURCE_DIR/gvmd-$GVMD_VERSION
mkdir build
cd build
cmake ../ \
  -DCMAKE_BUILD_TYPE=Release \
  -DLOCALSTATEDIR=/var \
  -DSYSCONFDIR=/etc \
  -DGVM_DATA_DIR=/var \
  -DGVMD_RUN_DIR=/run/gvmd \
  -DOPENVAS_DEFAULT_SOCKET=/run/ospd/ospd-openvas.sock \
  -DGVM_FEED_LOCK_PATH=/var/lib/gvm/feed-update.lock \
  -DSYSTEMD_SERVICE_DIR=/lib/systemd/system \
  -DLOGROTATE_DIR=/etc/logrotate.d
make -j$(nproc)
sudo make install
cd $HOME
export PG_GVM_VERSION=22.6.5
curl -f -L
https://github.com/greenbone/pg-gvm/archive/refs/tags/v$PG_GVM_VERSION.tar.g
z -o $SOURCE_DIR/pg-gvm-$PG_GVM_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/pg-gvm-$PG_GVM_VERSION.tar.gz
cd $SOURCE_DIR/pg-gvm-$PG_GVM_VERSION
mkdir build
cd build
cmake ../ \
  -DCMAKE_BUILD_TYPE=Release
make -j$(nproc)
sudo make install
cd $HOME
export GSA_VERSION=23.2.1
curl -f -L
https://github.com/greenbone/gsa/releases/download/v$GSA_VERSION/gsa-dist-$G
SA_VERSION.tar.gz -o $SOURCE_DIR/gsa-$GSA_VERSION.tar.gz
mkdir -p $SOURCE_DIR/gsa-$GSA_VERSION
tar -C $SOURCE_DIR/gsa-$GSA_VERSION -xvzf $SOURCE_DIR/gsa-
$GSA_VERSION.tar.gz
sudo mkdir -p /usr/local/share/gvm/gsad/web/
sudo cp -rv $SOURCE_DIR/gsa-$GSA_VERSION/* /usr/local/share/gvm/gsad/web/
cd $HOME
export GSAD_VERSION=22.11.0
curl -f -L
https://github.com/greenbone/gsad/archive/refs/tags/v$GSAD_VERSION.tar.gz -o
$SOURCE_DIR/gsad-$GSAD_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/gsad-$GSAD_VERSION.tar.gz
cd $SOURCE_DIR/gsad-$GSAD_VERSION
mkdir build
cd build
cmake ../ \
  -DCMAKE_BUILD_TYPE=Release \
  -DSYSCONFDIR=/etc \
```

```
  -DLOCALSTATEDIR=/var \
  -DGVMD_RUN_DIR=/run/gvmd \
  -DGSAD_RUN_DIR=/run/gsad \
  -DLOGROTATE_DIR=/etc/logrotate.d
make -j$(nproc)
sudo make install
cd $HOME
export OPENVAS_SMB_VERSION=22.5.6
curl -f -L
https://github.com/greenbone/openvas-smb/archive/refs/tags/v$OPENVAS_SMB_VER
SION.tar.gz -o $SOURCE_DIR/openvas-smb-$OPENVAS_SMB_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/openvas-smb-$OPENVAS_SMB_VERSION.tar.gz
cd $SOURCE_DIR/openvas-smb-$OPENVAS_SMB_VERSION
mkdir build
cd build
cmake ../ \
  -DCMAKE_BUILD_TYPE=Release
make -j$(nproc)
sudo make install
cd $HOME
export OPENVAS_SCANNER_VERSION=23.8.1
curl -f -L
https://github.com/greenbone/openvas-scanner/archive/refs/tags/v$OPENVAS_SCA
NNER_VERSION.tar.gz -o $SOURCE_DIR/openvas-scanner-
$OPENVAS_SCANNER_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/openvas-scanner-
$OPENVAS_SCANNER_VERSION.tar.gz
cd $SOURCE_DIR/openvas-scanner-$OPENVAS_SCANNER_VERSION
mkdir build
cd build
cmake ../ \
  -DCMAKE_BUILD_TYPE=Release \
  -DINSTALL_OLD_SYNC_SCRIPT=OFF \
  -DSYSCONFDIR=/etc \
  -DLOCALSTATEDIR=/var \
  -DOPENVAS_FEED_LOCK_PATH=/var/lib/openvas/feed-update.lock \
  -DOPENVAS_RUN_DIR=/run/ospd
make -j$(nproc)
sudo make install
cd $HOME
export OSPD_OPENVAS_VERSION=22.7.1
curl -f -L
https://github.com/greenbone/ospd-openvas/archive/refs/tags/v$OSPD_OPENVAS_V
ERSION.tar.gz -o $SOURCE_DIR/ospd-openvas-$OSPD_OPENVAS_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/ospd-openvas-
$OSPD_OPENVAS_VERSION.tar.gz
cd $SOURCE_DIR/ospd-openvas-$OSPD_OPENVAS_VERSION
sudo python3 -m pip install --root=/ --no-warn-script-location .
cd $HOME
export NOTUS_VERSION=22.6.3
curl -f -L
```

```
https://github.com/greenbone/notus-scanner/archive/refs/tags/v$NOTUS_VERSION
.tar.gz -o $SOURCE_DIR/notus-scanner-$NOTUS_VERSION.tar.gz
tar -C $SOURCE_DIR -xvzf $SOURCE_DIR/notus-scanner-$NOTUS_VERSION.tar.gz
cd $SOURCE_DIR/notus-scanner-$NOTUS_VERSION
sudo python3 -m pip install --root=/ --no-warn-script-location .
cd $HOME
sudo python3 -m pip install --root=/ --no-warn-script-location greenbone-
feed-sync
sudo python3 -m pip install --root=/ --no-warn-script-location gvm-tools
sudo cp $SOURCE_DIR/openvas-scanner-$OPENVAS_SCANNER_VERSION/config/redis-
openvas.conf /etc/redis/
sudo chown redis:redis /etc/redis/redis-openvas.conf
echo "db_address = /run/redis-openvas/redis.sock" | sudo tee -a
/etc/openvas/openvas.conf
sudo systemctl start redis-server@openvas.service
sudo systemctl enable redis-server@openvas.service
sudo usermod -aG redis gvm
sudo systemctl start mosquitto.service
sudo systemctl enable mosquitto.service
echo -e "mqtt_server_uri = localhost:1883\ntable_driven_lsc = yes" | sudo
tee -a /etc/openvas/openvas.conf
sudo mkdir -p /var/lib/notus
sudo mkdir -p /run/gvmd
sudo chown -R gvm:gvm /var/lib/gvm
sudo chown -R gvm:gvm /var/lib/openvas
sudo chown -R gvm:gvm /var/lib/notus
sudo chown -R gvm:gvm /var/log/gvm
sudo chown -R gvm:gvm /run/gvmd
sudo chmod -R g+srw /var/lib/gvm
sudo chmod -R g+srw /var/lib/openvas
sudo chmod -R g+srw /var/log/gvm
sudo chown gvm:gvm /usr/local/sbin/gvmd
sudo chmod 6750 /usr/local/sbin/gvmd
curl -f -L https://www.greenbone.net/GBCommunitySigningKey.asc -o
/tmp/GBCommunitySigningKey.asc
export GNUPGHOME=/tmp/openvas-gnupg
mkdir -p $GNUPGHOME
gpg --import /tmp/GBCommunitySigningKey.asc
echo "8AE4BE429B60A59B311C2E739823FAA60ED1E580:6:" | gpg --import-ownertrust
export OPENVAS_GNUPG_HOME=/etc/openvas/gnupg
sudo mkdir -p $OPENVAS_GNUPG_HOME
sudo cp -r /tmp/openvas-gnupg/* $OPENVAS_GNUPG_HOME/
sudo chown -R gvm:gvm $OPENVAS_GNUPG_HOME
sudo systemctl start postgresql@15-main
sudo systemctl enable postgresql@15-main
sudo -u postgres createuser -DRS gvm
sudo -u postgres createdb -O gvm gvmd
sudo -u postgres psql gvmd -c "create role dba with superuser noinherit;
grant dba to gvm;"
sudo ldconfig
sudo -u gvm /usr/local/sbin/gvmd --create-user=admin --password=manager
```

```
sudo -u gvm /usr/local/sbin/gvmd --modify-setting 78eceaec-3385-11ea-
b237-28d24461215b --value $(sudo -u gvm /usr/local/sbin/gvmd --get-users --
verbose | grep admin | awk '{print $2}')
sudo bash -c 'cat << EOF > /etc/systemd/system/ospd-openvas.service
[Unit]
Description=OSPd Wrapper for the OpenVAS Scanner (ospd-openvas)
Documentation=man:ospd-openvas(8) man:openvas(8)
After=network.target networking.service redis-server@openvas.service
mosquitto.service
Wants=redis-server@openvas.service mosquitto.service notus-scanner.service
ConditionKernelCommandLine=!recovery

[Service]
Type=exec
User=gvm
Group=gvm
RuntimeDirectory=ospd
RuntimeDirectoryMode=2775
PIDFile=/run/ospd/ospd-openvas.pid
ExecStart=/usr/local/bin/ospd-openvas --foreground --unix-socket
/run/ospd/ospd-openvas.sock --pid-file /run/ospd/ospd-openvas.pid --log-file
/var/log/gvm/ospd-openvas.log --lock-file-dir /var/lib/openvas --socket-mode
0o770 --mqtt-broker-address localhost --mqtt-broker-port 1883 --notus-feed-
dir /var/lib/notus/advisories
SuccessExitStatus=SIGKILL
Restart=always
RestartSec=60

[Install]
WantedBy=multi-user.target
EOF'
sudo bash -c 'cat << EOF > /etc/systemd/system/notus-scanner.service
[Unit]
Description=Notus Scanner
Documentation=https://github.com/greenbone/notus-scanner
After=mosquitto.service
Wants=mosquitto.service
ConditionKernelCommandLine=!recovery

[Service]
Type=exec
User=gvm
RuntimeDirectory=notus-scanner
RuntimeDirectoryMode=2775
PIDFile=/run/notus-scanner/notus-scanner.pid
ExecStart=/usr/local/bin/notus-scanner --foreground --products-directory
/var/lib/notus/products --log-file /var/log/gvm/notus-scanner.log
SuccessExitStatus=SIGKILL
Restart=always
RestartSec=60
```

```
[Install]
WantedBy=multi-user.target
EOF'
sudo bash -c 'cat << EOF > /etc/systemd/system/gvmd.service
[Unit]
Description=Greenbone Vulnerability Manager daemon (gvmd)
After=network.target networking.service postgresql.service ospd-
openvas.service
Wants=postgresql.service ospd-openvas.service
Documentation=man:gvmd(8)
ConditionKernelCommandLine=!recovery

[Service]
Type=exec
User=gvm
Group=gvm
PIDFile=/run/gvmd/gvmd.pid
RuntimeDirectory=gvmd
RuntimeDirectoryMode=2775
ExecStart=/usr/local/sbin/gvmd --foreground --osp-vt-update=/run/ospd/ospd-
openvas.sock --listen-group=gvm
Restart=always
TimeoutStopSec=10

[Install]
WantedBy=multi-user.target
EOF'
sudo bash -c 'cat << EOF > /etc/systemd/system/gsad.service
[Unit]
Description=Greenbone Security Assistant daemon (gsad)
Documentation=man:gsad(8) https://www.greenbone.net
After=network.target gvmd.service
Wants=gvmd.service

[Service]
Type=exec
User=gvm
Group=gvm
RuntimeDirectory=gsad
RuntimeDirectoryMode=2775
PIDFile=/run/gsad/gsad.pid
ExecStart=/usr/local/sbin/gsad --foreground --listen=0.0.0.0 --port=9392 --
http-only
Restart=always
TimeoutStopSec=10

[Install]
WantedBy=multi-user.target
Alias=greenbone-security-assistant.service
EOF'
sudo systemctl daemon-reload
```

```
sudo /usr/local/bin/greenbone-feed-sync
sudo systemctl start notus-scanner
sudo systemctl start ospd-openvas
sudo systemctl start gvmd
sudo systemctl start gsad
sudo systemctl enable notus-scanner
sudo systemctl enable ospd-openvas
sudo systemctl enable gvmd
sudo systemctl enable gsad
```

References

* https://greenbone.github.io/docs/latest/22.4/source-build/index.html

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