Part 1 : Executing openvas scans

1. Start OpenVAS on Kali Linux
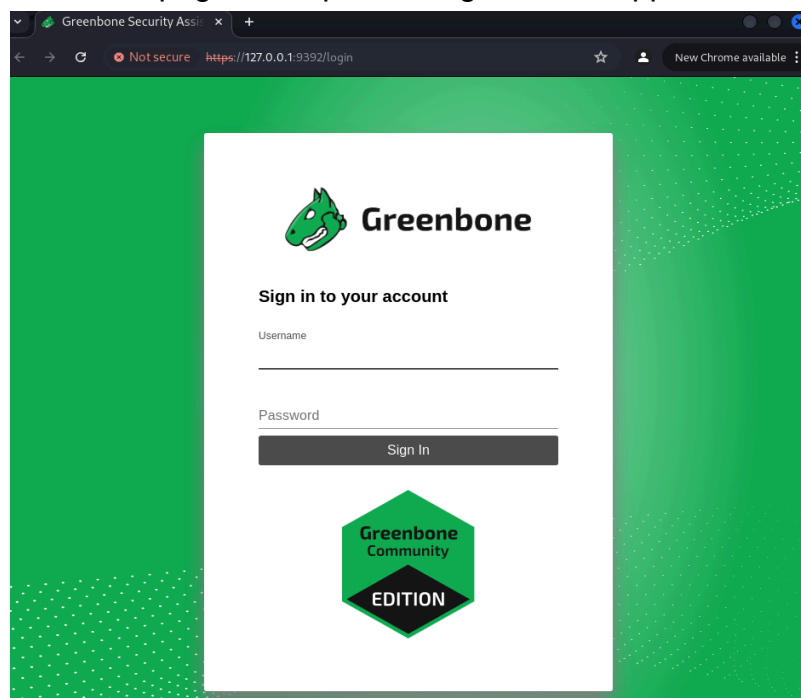
Open kali linux
Open terminal

Type in the terminal the command: sudo gvm-start

A browser page with openvas login should appear

2. Update openvas feeds

Login to the openvas site.
Go to the Administration tab and check Feed Status
If the status of the content is not current, update feeds using the following commands:

In the terminal type : sudo greenbone-nvt-sync
This will update the NVT's feed

```
┌──(student㉿kali)-[~]
└─$ sudo greenbone-nvt-sync
Running as root. Switching to user '_gvm' and group '_gvm'.
Trying to acquire lock on /var/lib/openvas/feed-update.lock
Acquired lock on /var/lib/openvas/feed-update.lock
⊹ Downloading Notus files from rsync://feed.community.greenbone.net/community/vulnerability-feed/22.04/vt-data/notus/ to
/var/lib/notus
⊹ Downloading NASL files from rsync://feed.community.greenbone.net/community/vulnerability-feed/22.04/vt-data/nasl/ to
/var/lib/openvas/plugins
Releasing lock on /var/lib/openvas/feed-update.lock
```

In the terminal type : sudo greenbone-scapdata-sync
This will update the scapdata feed

```
┌──(student㉿kali)-[~]
└─$ sudo greenbone-scapdata-sync
[sudo] password for student:
Running as root. Switching to user '_gvm' and group '_gvm'.
Trying to acquire lock on /var/lib/gvm/feed-update.lock
Acquired lock on /var/lib/gvm/feed-update.lock
⊺ Downloading SCAP data from rsync://feed.community.greenbone.net/community/vulnerability-feed/22.04/scap-data/ to /var/lib/gvm/scap-data
Releasing lock on /var/lib/gvm/feed-update.lock
```

In the terminal type : sudo greenbone-certdata-sync
This will update the certdata feed

```
┌──(student㉿kali)-[~]
└─$ sudo greenbone-certdata-sync
Running as root. Switching to user '_gvm' and group '_gvm'.
Trying to acquire lock on /var/lib/gvm/feed-update.lock
Acquired lock on /var/lib/gvm/feed-update.lock
♫ Downloading CERT-Bund data from rsync://feed.community.greenbone.net/community/vulnerability-feed/22.04/cert-data/ to /var/lib/gvm/cert-data
Releasing lock on /var/lib/gvm/feed-update.lock
```

Then, if the feed status is updated, you should see this in the administrations page:

● ⟍ ⟍ Feed Status

Type	Content	Origin	Version	Status
NVT	NVTs	Greenbone Community Feed	20240806T0608	**Current**
SCAP	CVEs CPEs	Greenbone SCAP Data Feed	20240806T0945	**Current**
CERT	CERT-Bund Advisories DFN-CERT Advisories	Greenbone CERT Data Feed	20240806T0408	**Current**
GVMD_DATA	Compliance Policies Port Lists Report Formats Scan Configs	Greenbone Data Objects Feed	20240327T0505	**Too old (132 days)** Please check the automatic synchronization of your system.

3. Add Credential
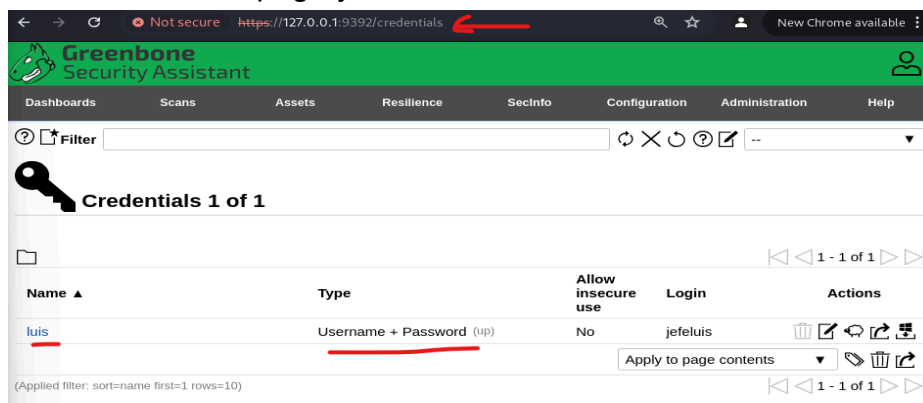
Navigate to the Configuration tab
Select Credentials
Click the Add New Credential icon.
Insert the following info:
- Name: luis
- Username: jefeluis
- Password: jefeluis
- press save

In the credentials page you should see :

4. Add Hosts

Go to the Assets tab
Select Hosts

Add linux computer as host
Click the Add New Host icon
Insert the following info:
- Name: linux
- IP Address: 10.0.2.15
- Press save

Add windows computer as host
Click the Add New Host icon.
Insert the following info:
- Name: windows
- IP Address: 10.0.2.55
- Press save

In the hosts page you should see both hosts listed :

5. Add Targets

Navigate to the Configuration tab, Select Targets
<u>Add linux computer as target</u>
Click the Add New Target icon
Insert the following info:

- Name: my-linux-vm
- IP Address: 10.0.2.15
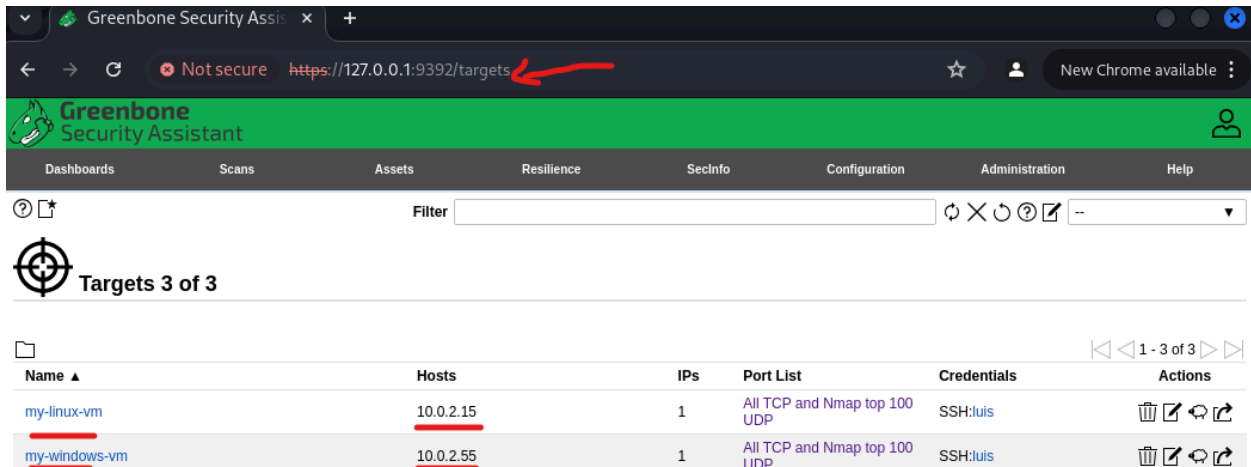- Credentials for Authenticated Checks: SSH [luis]
- Port Lists: Nmap scan.
- Press save
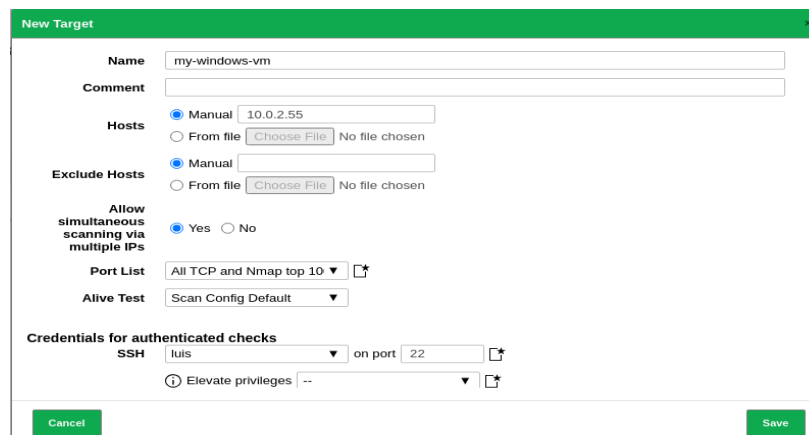
<u>Add windows computer as target.</u>
Click the Add New Target icon.
Insert the following info:

- Name: my-windows-vm
- IP Address: 10.0.2.55
- Credentials for Authenticated Checks: Select SSH [luis]
- Port Lists: Nmap scan
- Press save

In the targets page you should see both targets listed:

6. Create Scanning tasks
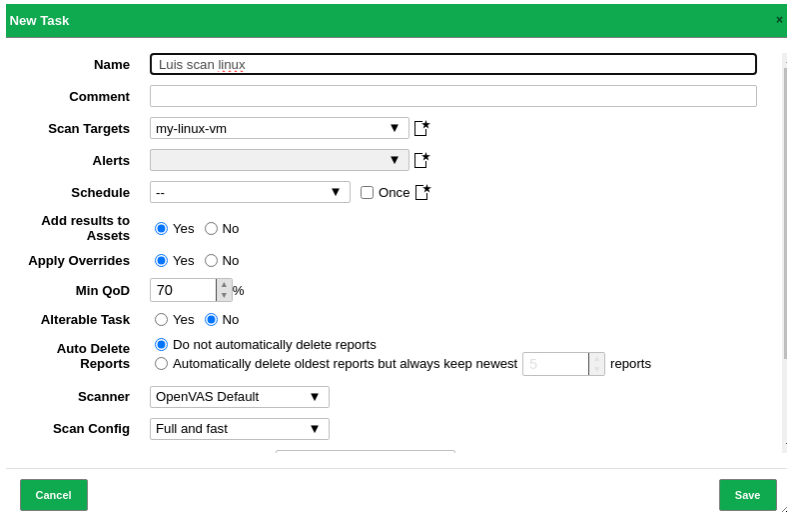
Go to the Scans tab

Create linux scan task
Select New Task
Insert the following info:
- Name: Luis scan linux
- Scan target: my-linux-vm
- Quality of Detection (QoD) : 70%
- Scan Config: Full and Fast

Scan windows computer
Select New Task

Insert the following info:
- Name: Luis scan windows
- Scan target: target my-windows-vm
- Quality of Detection (QoD) : 70%
- Scan Config: Full and Fast

In the tasks page you should see :

7. Execute scans

Turn on the linux machine
Press scan icon in open vas

Name ▲	Status	Reports	Last Report	Severity	Trend	Actions
Luis scan linux	New					

Scan will be requested

Name ▲	Status	Reports	Last Report	Severity	Trend	Actions
Luis scan linux	Requested	1				

Scan will start

Name ▲	Status	Reports	Last Report	Severity	Trend	Actions
Luis scan linux	10 %	1				

Scan complete

Name ▲	Status	Reports	Last Report	Severity	Trend	Actions
Luis scan linux	Done	1	Thu, Aug 8, 2024 7:32 PM UTC	2.6 (Low)		