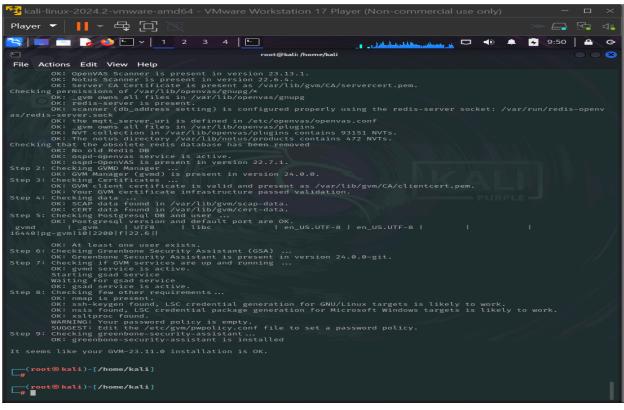
# PERFORMING A NETWORK VULNERABILITY SCAN WITH OPENVAS

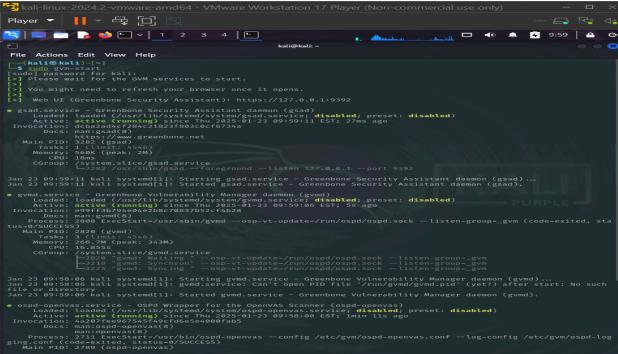
**Tools: KALI LINUX** 

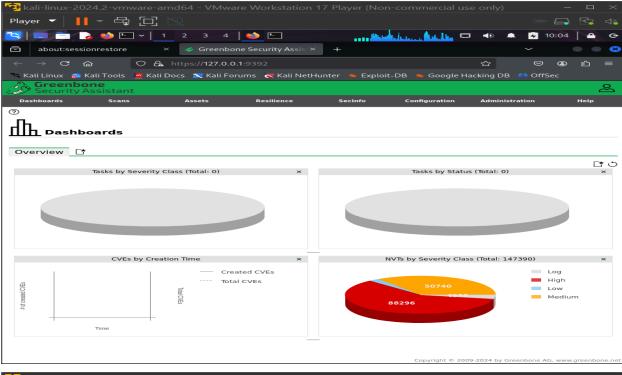
**Site:** https://127.0.0.1:9392

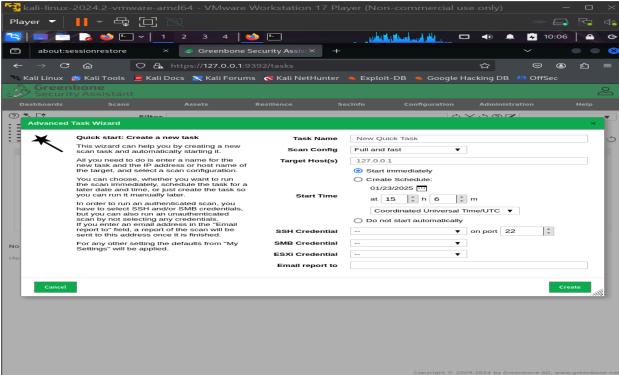
OpenVAS (Open Vulnerability Assessment System) is an open-source framework for vulnerability scanning and management. It's part of the Greenbone Vulnerability Manager (GVM) suite, often used to assess systems for vulnerabilities and ensure network security.

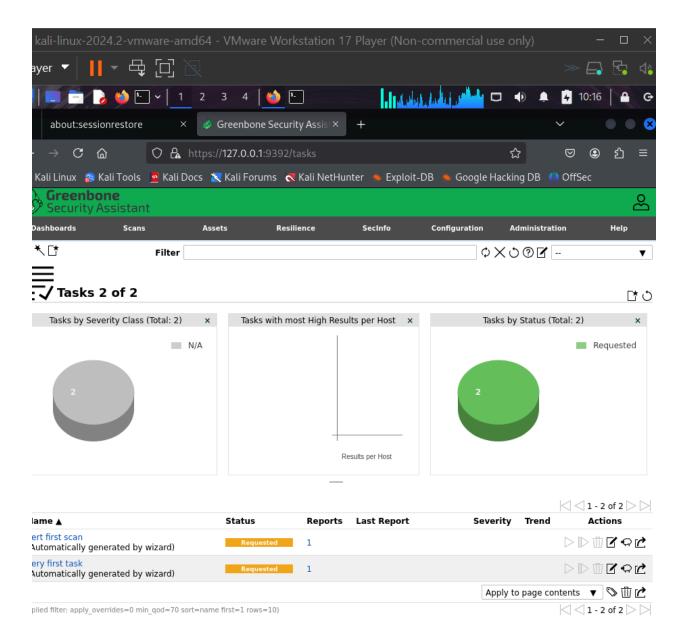
## Input from kali:











Here we would be using openvas to perform a quick network vulnerability scan.

## Installing and Setting Up OpenVAS (GVM)

## **Install OpenVAS**

Run the following command to install OpenVAS:

```
sudo apt install openvas
```

1.

#### **View Help Screen**

Check the help options with:

```
openvas -h
```

2.

#### Initialize GVM

Since OpenVAS is now Greenbone Vulnerability Manager (GVM), initialize it with:

```
sudo gvm-setup
```

3.

- o This downloads necessary plugins and may take some time.
- After installation, the terminal will display the admin password.
   Save this password securely.

## **Verify Installation**

Run the following to ensure the installation is complete:

```
sudo gvm-check-setup
```

4.

o If everything is OK, reboot your system.

#### Start GVM

Use the command below to start GVM:

```
sudo gvm-start
```

- Firefox will launch automatically at https://127.0.0.1:9392.
- Accept the self-signed certificate warning.
- Login using the username admin and the saved password.

### Running a Network Vulnerability Scan

#### 1. Access the Dashboard

Once logged in, hover over the Scans tab and click Tasks.

#### 2. Create a Scan Task

- Click the wand icon at the top-left corner and select Advanced Task Wizard.
- Provide a name for the task and input your local network's subnet.
- Click Create to initiate the scan.

#### 3. View Results

- After the scan completes, hover over the **Scans** tab and select **Results**.
- Review the vulnerabilities and their detailed descriptions, including remediation steps.