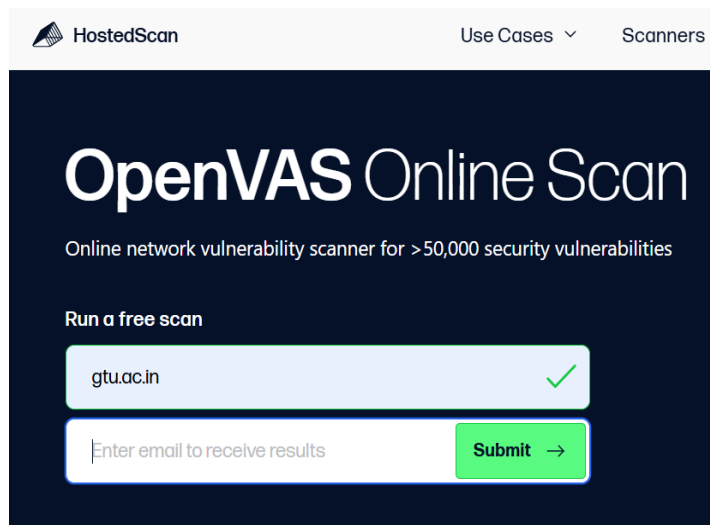


## PRACTICAL – 4

AIM: Labs of Vulnerability Assessment using OpenVAS.

Online Vulnerability Assessment Link: <https://hostedscan.com/openvas-vulnerability-scan>



HostedScan Use Cases Scanners

# OpenVAS Online Scan

Online network vulnerability scanner for >50,000 security vulnerabilities

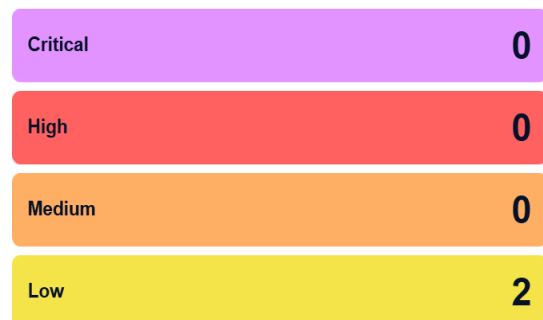
Run a free scan

gtu.ac.in ✓

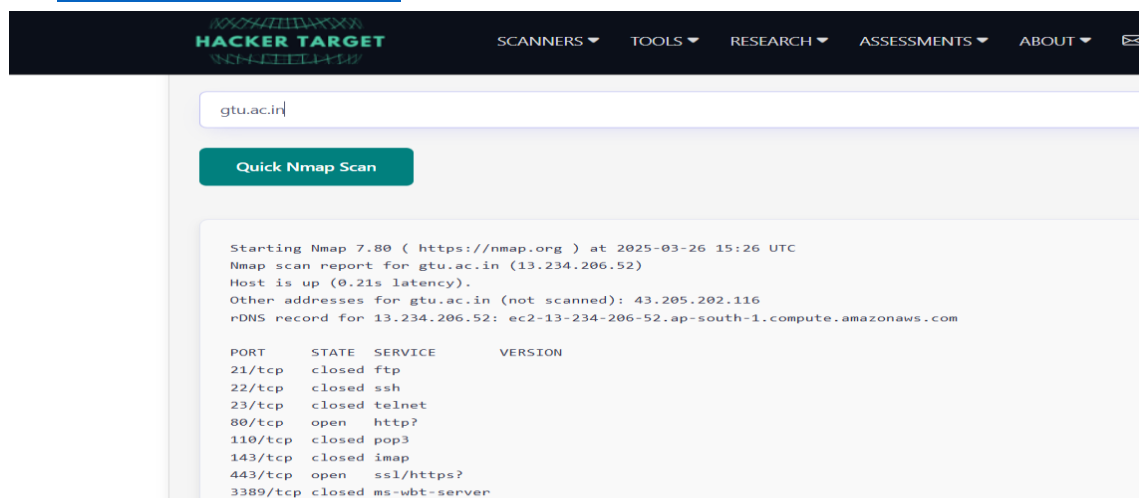
Enter email to receive results Submit →

## Risks Detected

Total number of unaccepted risk occurrences by severity.



➤ <https://hackertarget.com/>



HACKER TARGET

SCANNERS TOOLS RESEARCH ASSESSMENTS ABOUT

gtu.ac.in

Quick Nmap Scan

Starting Nmap 7.80 ( <https://nmap.org> ) at 2025-03-26 15:26 UTC  
Nmap scan report for gtu.ac.in (13.234.206.52)  
Host is up (0.21s latency).  
Other addresses for gtu.ac.in (not scanned): 43.205.202.116  
rDNS record for 13.234.206.52: ec2-13-234-206-52.ap-south-1.compute.amazonaws.com

PORT	STATE	SERVICE	VERSION
21/tcp	closed	ftp	
22/tcp	closed	ssh	
23/tcp	closed	telnet	
80/tcp	open	http?	
110/tcp	closed	pop3	
143/tcp	closed	imap	
443/tcp	open	ssl/https?	
3389/tcp	closed	ms-wbt-server	

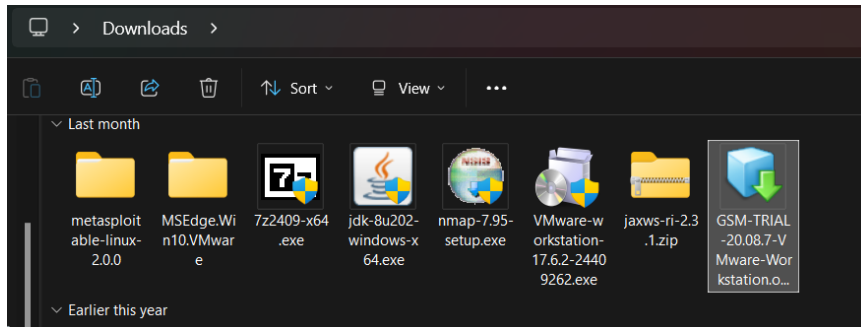
Perform following:

Configure the OpenVAS in kali Linux and perform the vulnerability assessment.

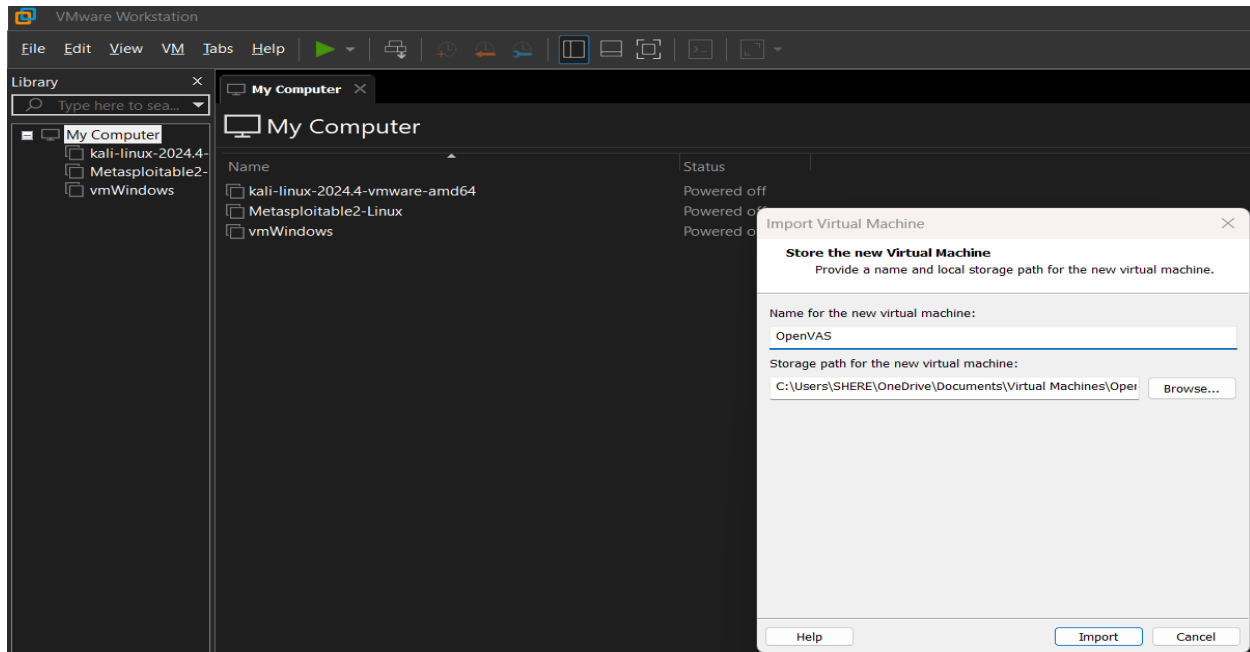
OpenVAS installation steps:

Download from: <https://www.greenbone.net/en/greenbone-free/>

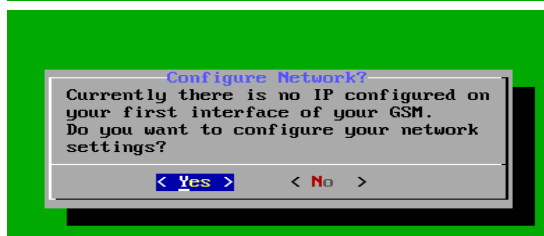
- Open vmware and click on “Open Virtual Machine”.
- Select the Downloaded file.



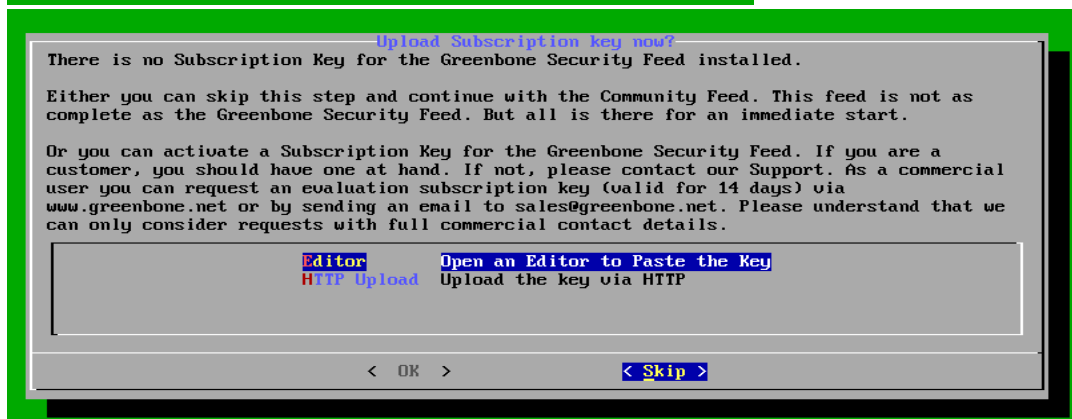
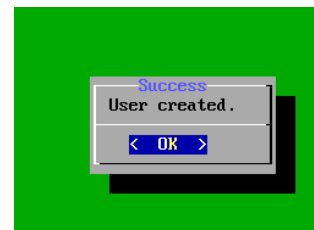
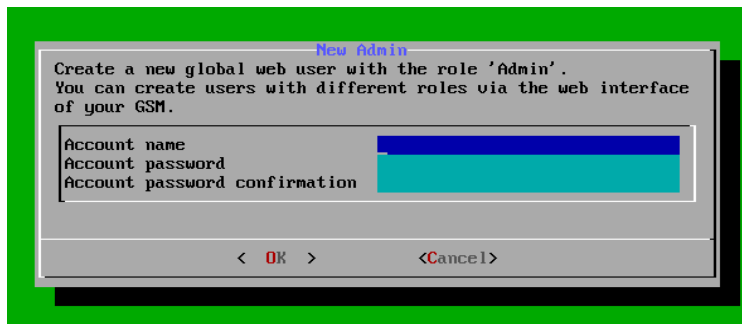
- Give the name “OpenVAS”



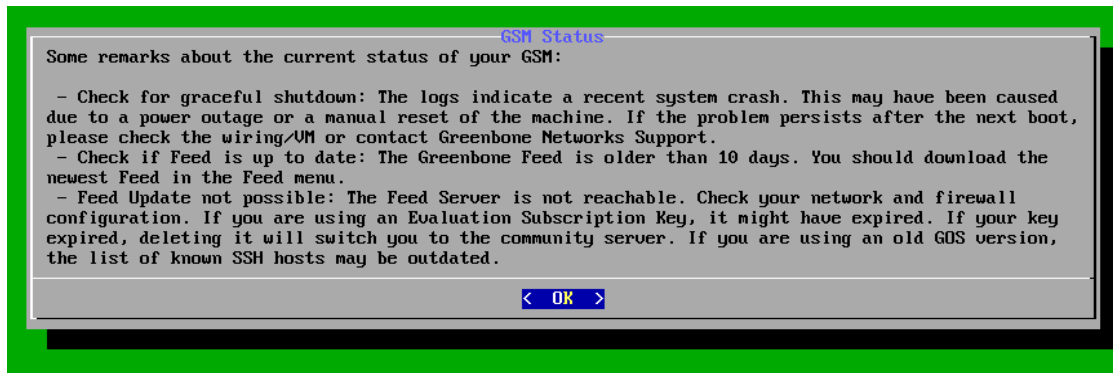
- Power on the machine and wait for some time.
- It will ask about the username and password for the Machine
- By default there is username “admin” and password is also “admin”.
- After entering the Login Credentials the OpenVAS Administrator Interface will be Visible on Screen.
- Press ok and then go to further step as following.



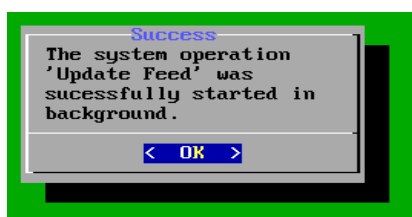
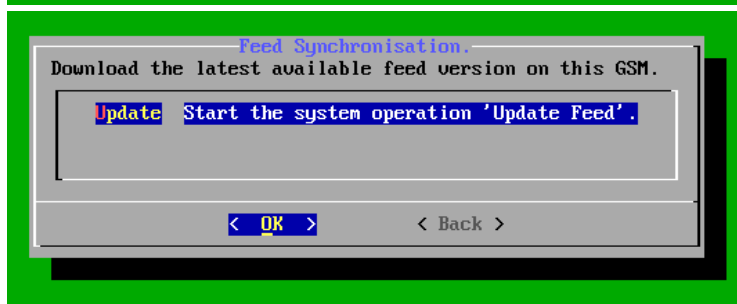
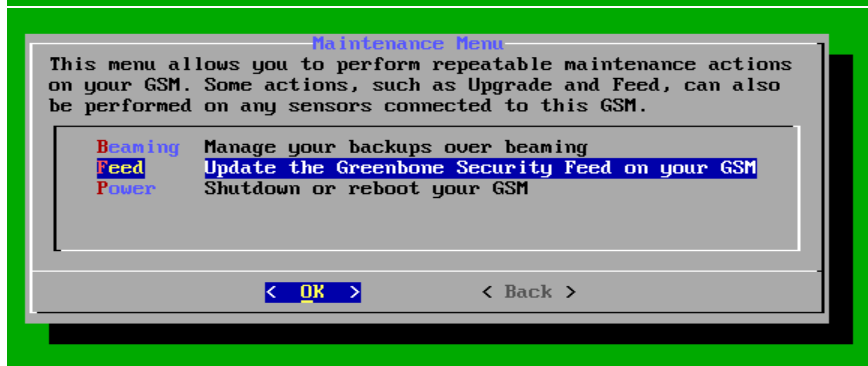
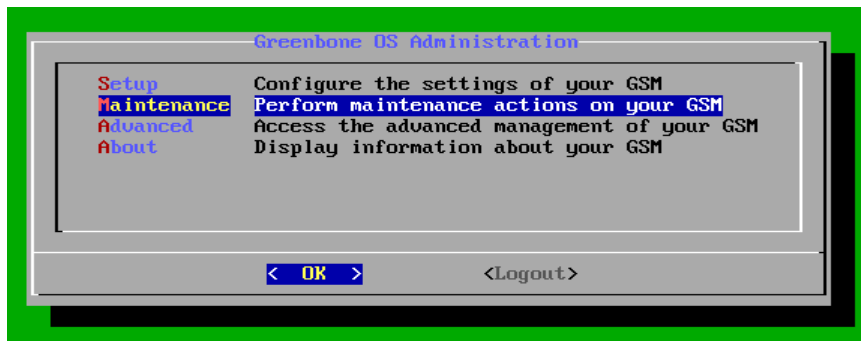
- Now we have to Create admin so enter the Account name and password.

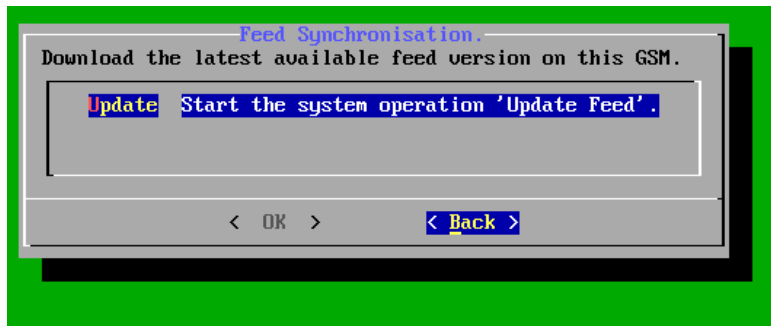


- After Completing the Steps one by one follow same as the following.

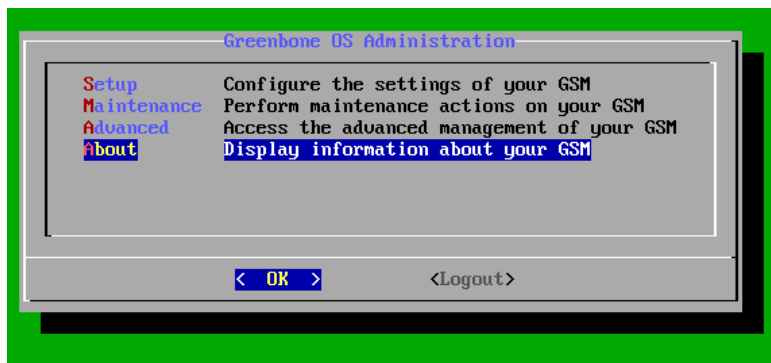


- Select the Maintenance option and update the GSM.

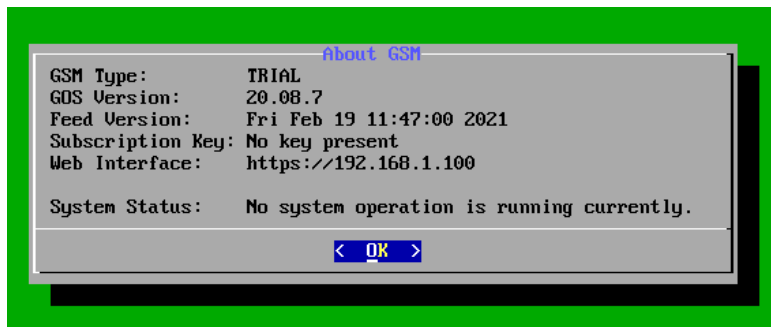




- Then go back and Select the About Option which will Display the Information about the GSM of you Device.



- It will also Display the Web Interface IP. Using that you can access the Web Interface of GSM. And if it shows that ip no Configured then you have to manually provide the IP range in the Setup option of the GSM.



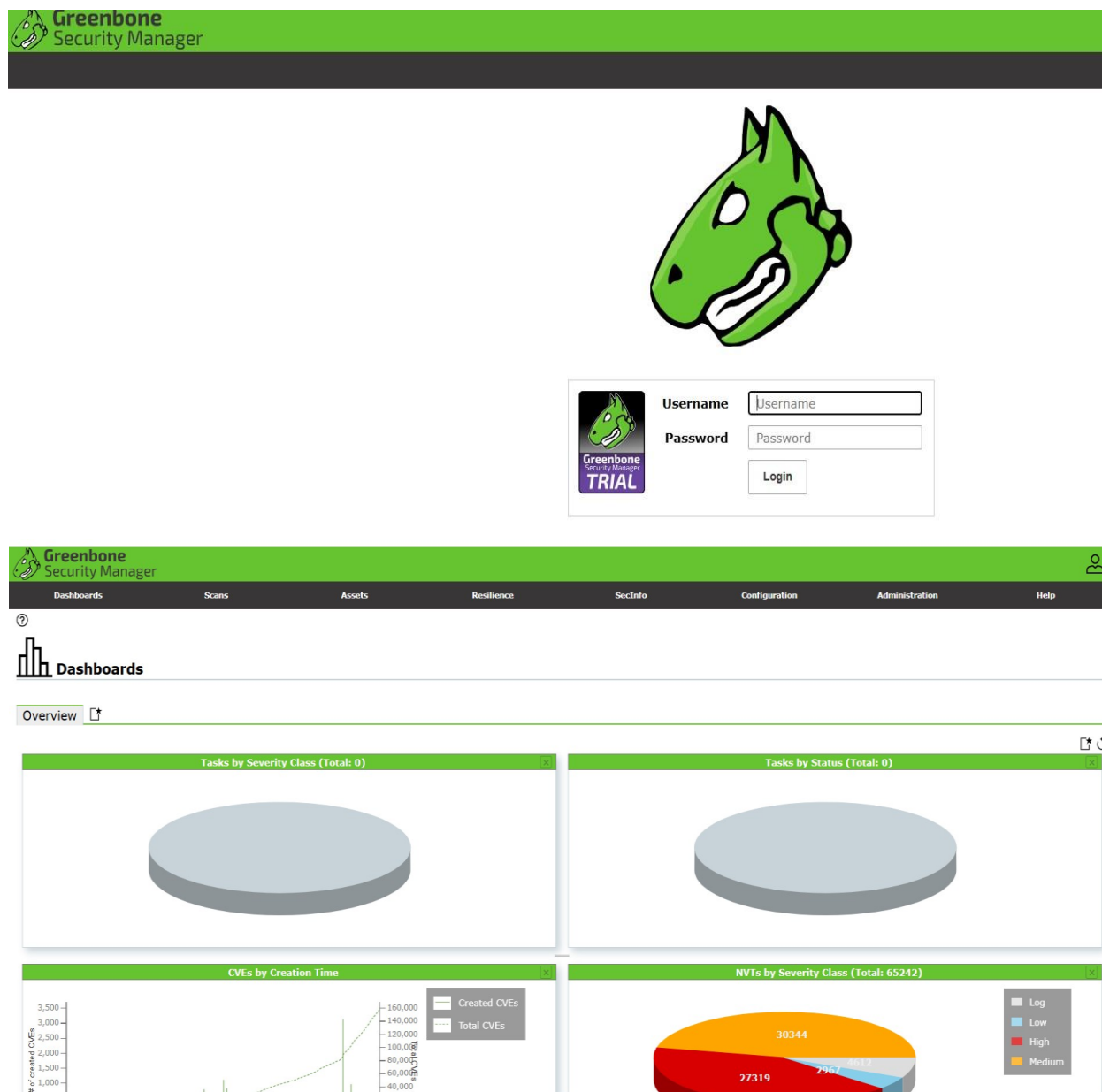
- Keep this process running and parallel, open the browser in kali or windows and open <http://192.168.1.100> (Enter the user and password which you created during installation)

### Perform the vulnerability assessment Scenario:

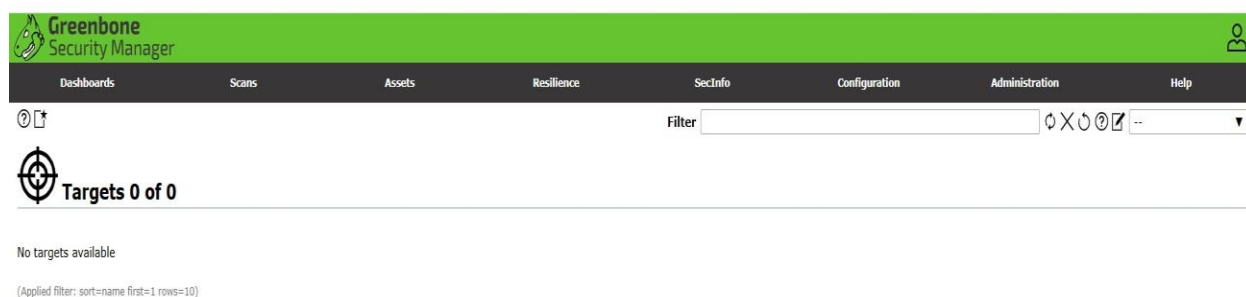
**Attacker machine:** Kali machine/Windows,

**Target machine:** Localhost/Windows10 / metasploitable2:

- NOTE: Check the IP address of all the machines and check the connectivity from the kali machine to the target machine using the ping command. Open the browser in the kali Windows and write the URL: <https://192.168.1.100> (Note: Openvas Machine must be in running mode) and login. After Successfully login in the web interface of OpenVAS as below:



Step-1: Now go to “configuration” and click on the “target” Step-2: Click on “New target” See below:



Step-3: Write the Name of scanning and in the Hosts-> Manual .....write IP address of target machine and click on the save.

**New Target**

Name:

Comment:

Hosts: ☒ Manual   
☐ From file  No file chosen

Exclude Hosts: ☒ Manual   
☐ From file  No file chosen

Port List:  ☐ \*

Alive Test:

Credentials for authenticated checks

SSH:   ☐ \*

SMB:  ☐ \*

ESXi:  ☐ \*

SNMP:  ☐ \*

Step-4: After that go to the Scan->Tasks and add a new task from the left corner....

Provide the Name and select the scan target which we have already created in the previous step. and click on the save.

**New Task**

Name:

Comment:

Scan Targets:  ☐ \*

Add results to Assets: ☒ Yes ☐ No

Apply Overrides: ☒ Yes ☐ No

Min QoD:  %

Alterable Task: ☐ Yes ☒ No

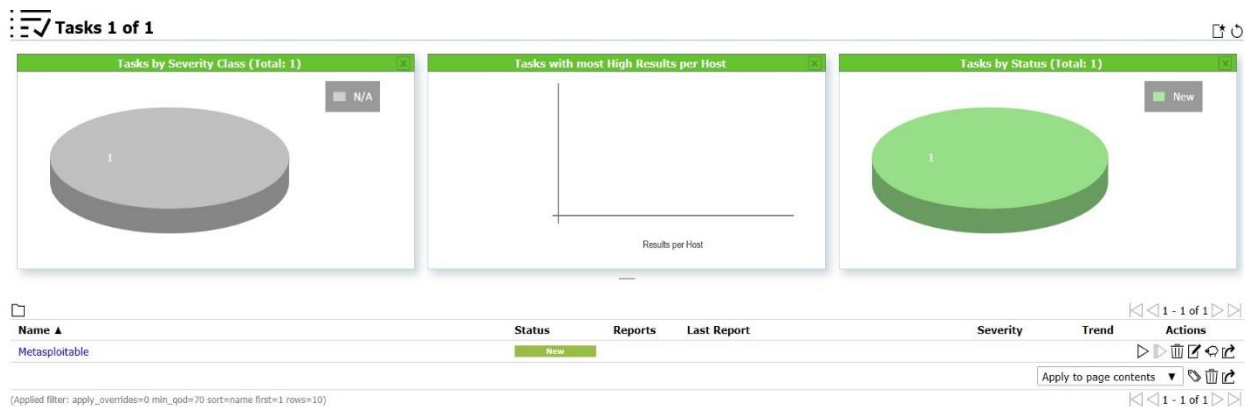
Auto Delete Reports: ☒ Do not automatically delete reports  
☐ Automatically delete oldest reports but always keep newest  reports

Scanner:

Scan Config:

Network Source Interface:

Order for target hosts:



Click on the play button from the right side of the added scan to start the vulnerability scanning.  
Scanning started as shown below:



After Scanning is completed then go to the report option where you can see the report about the scan.

