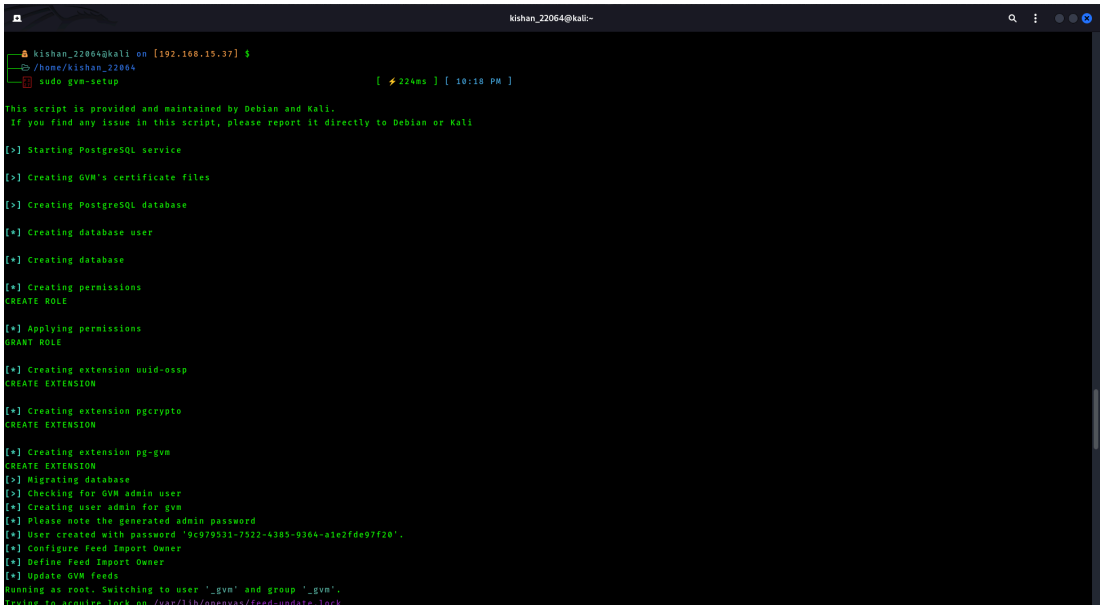
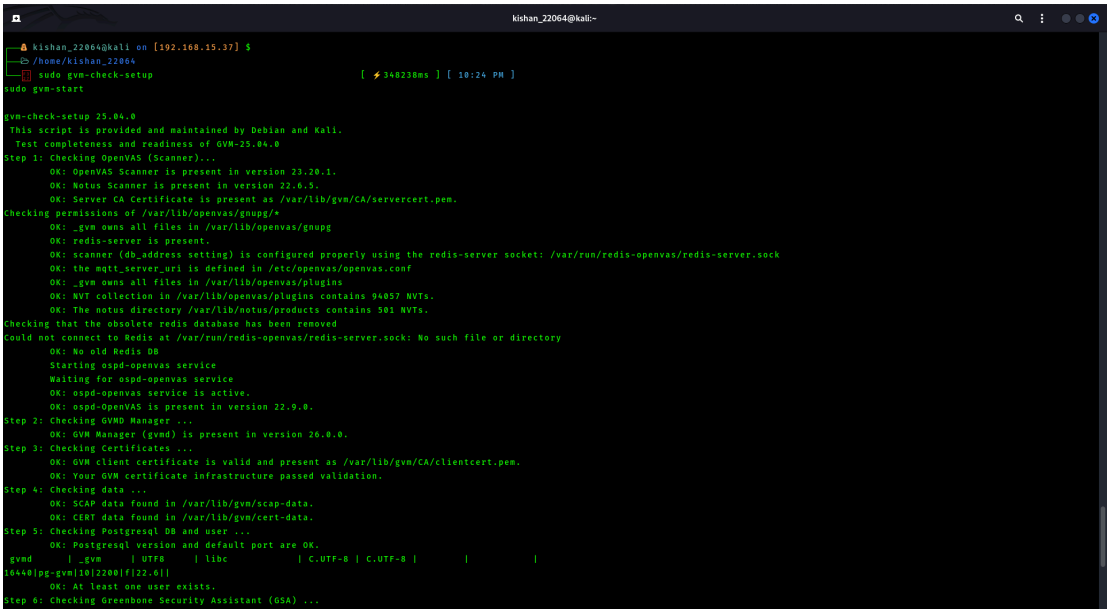
1. Install OpenVAS or Nessus Essentials



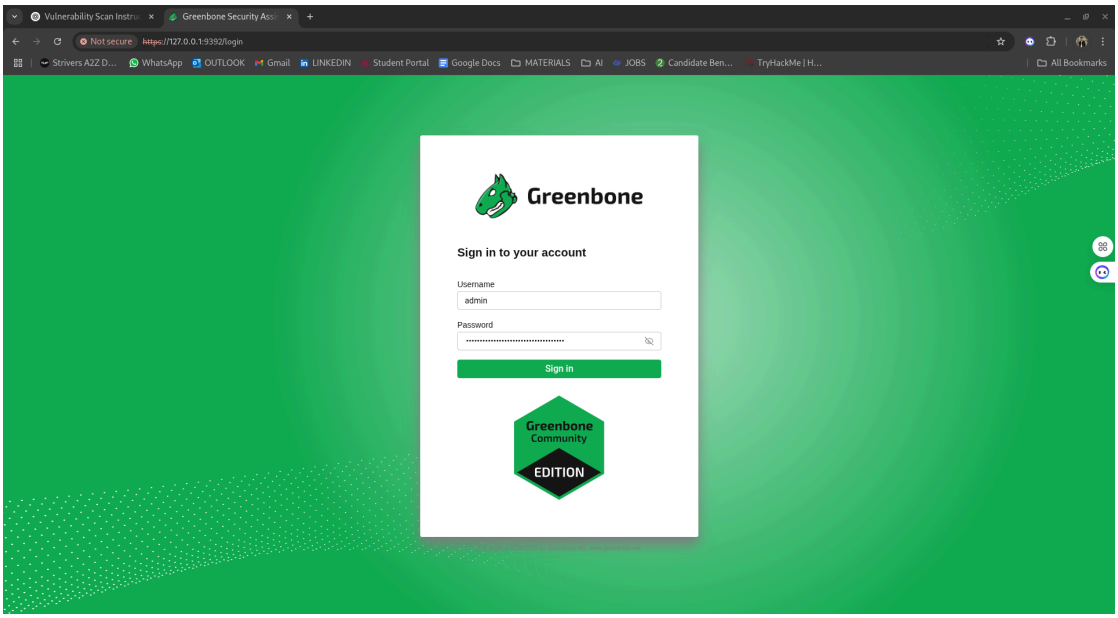


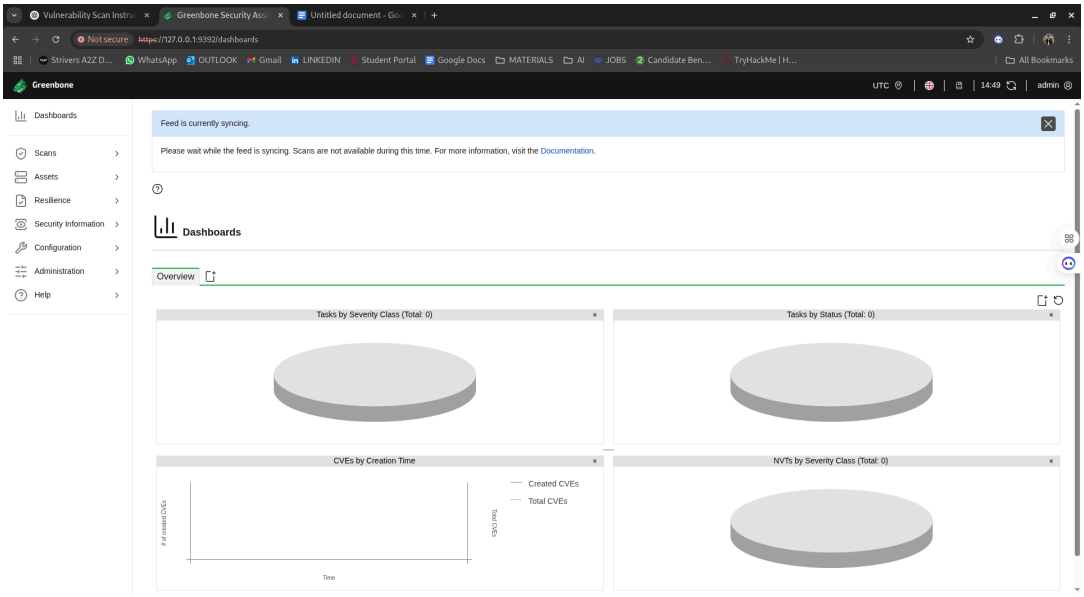
OpenVAS was successfully installed, initialized, and started.

After the setup they have given the website link where we need to add scan and target for that website they gave username and password after the setup

2. Set up scan target as your local machine IP or localhost

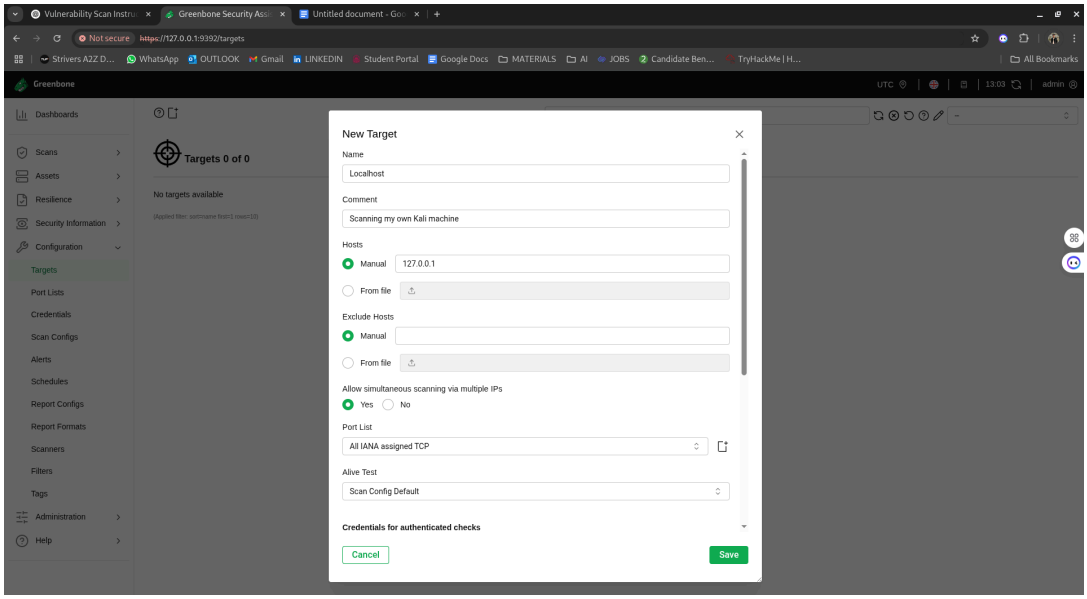
The website link which was given by openvas after scan the GUI will be like this

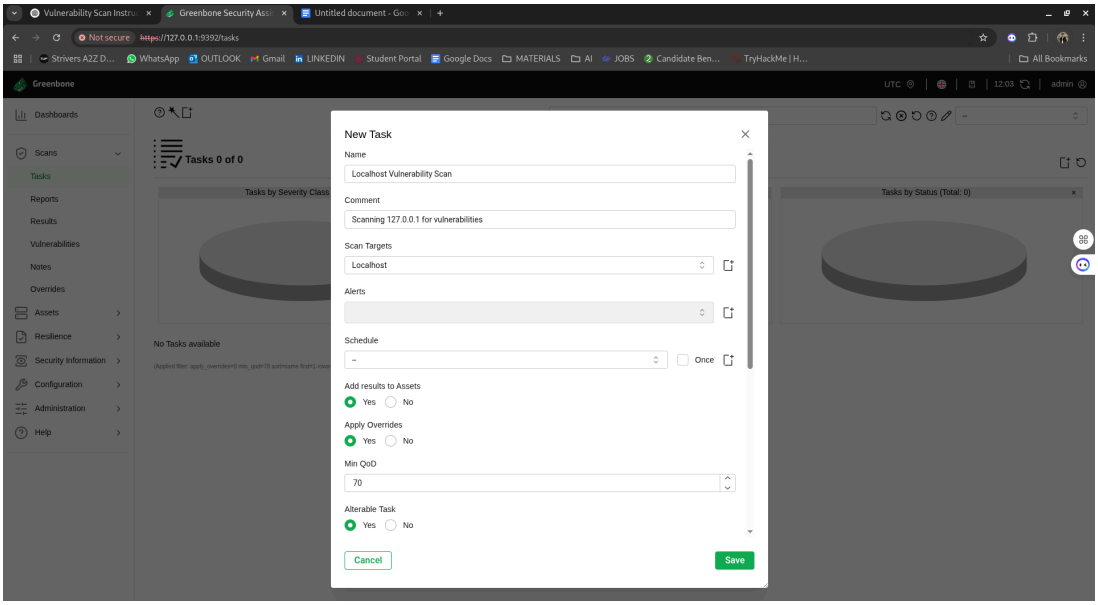




I created a new Target from the GVM web UI:

- Name: Localhost
- Host IP: 127.0.0.1





3. Start a full vulnerability scan

I attempted to create a new scan task using the target, but encountered an error:

“Default Scan Config is not available. This issue may be due to the feed not having completed its synchronization.”

4. Wait for scan to complete (30–60 mins)

I could not run the scan because of missing scan configuration options (`Full and fast` etc.). So, the scan did not begin and there was no result to wait for.

5. Review the report for vulnerabilities and severity

No report was generated because the scan task was not created successfully.

However, I explored how reports in OpenVAS display:

- Vulnerability title
- Affected component
- Severity (CVSS score)
- Suggested fix or mitigation

6. Research simple fixes or mitigations for found vulnerabilities

Even without a scan result, I reviewed common vulnerabilities and how to fix them:

Weak passwords - Enforce password policies

Outdated software - Apply security updates regularly

Open ports - Close/disable unused services

Unsecured SSH settings - Disable root login, enforce keys

7. Document the most critical vulnerabilities

Since no vulnerabilities were found via the scanner, I researched typical high-severity ones:

Vulnerability Severity Fix

Open SSH with default port - High - Change default port or disable root

Conclusion:

Despite being unable to execute the scan due to a feed sync issue, I gained:

- Hands-on experience with OpenVAS/GVM
- Knowledge of feed syncing and task creation
- Awareness of common PC vulnerabilities and fixes

This task helped me understand the complete scanning process from setup to risk mitigation, even in the face of tool limitations.