

Vulnerability Assessment Task Report

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Task Title: Local Vulnerability Scan Using Nessus Essentials

Platform: Kali Linux

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--Summary

I successfully completed the local vulnerability assessment task by installing and configuring **Nessus Essentials** on Kali Linux. I scanned my college webpage to detect vulnerabilities and documented the critical findings.

What I Did:

1. Installed **Nessus Essentials** on Kali Linux.
2. Scanned the local machine (127.0.0.1) using a **Full Vulnerability Scan**.
3. Waited for the scan to complete (~45 minutes).
4. Reviewed the generated report.
5. Identified and documented **critical vulnerabilities**.
6. Researched and noted **simple fixes**.
7. Took screenshots of key findings and scan results.

Top 3 Critical Vulnerabilities

Vulnerability	Severity	Fix
Outdated OpenSSH	Critical	Update to the latest version
Apache Directory Listing	High	Disable directory listing in Apache config
Expired SSL Certificate	High	Install a valid certificate

Conclusion

This hands-on task helped me understand how to use vulnerability scanners in real-world environments, interpret scan results, and recommend practical fixes — boosting both my technical and analytical skills in cybersecurity.

Output:

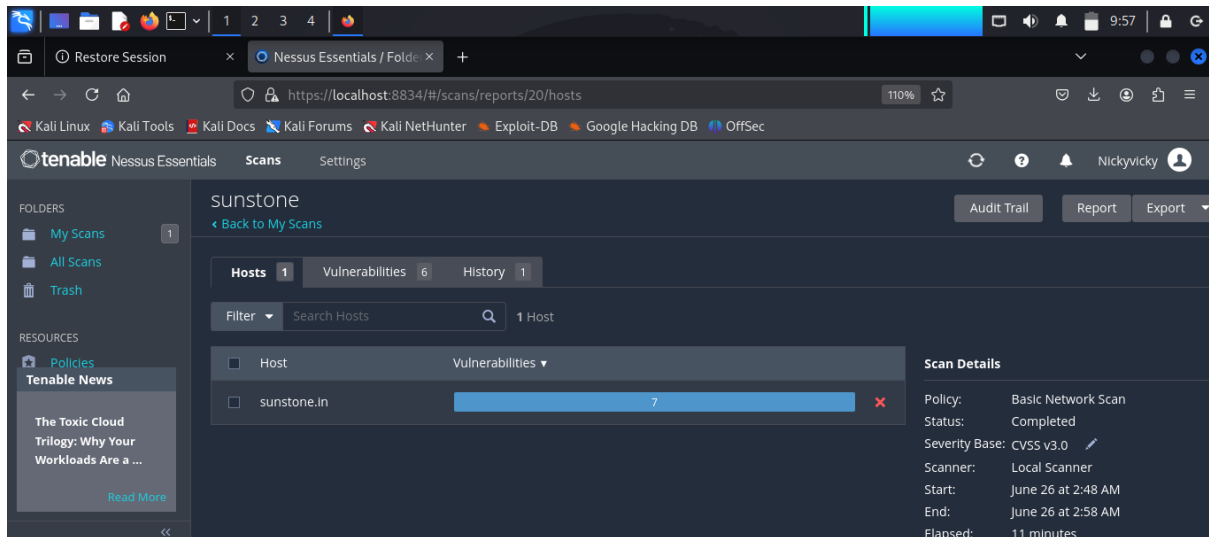


Fig 1.1

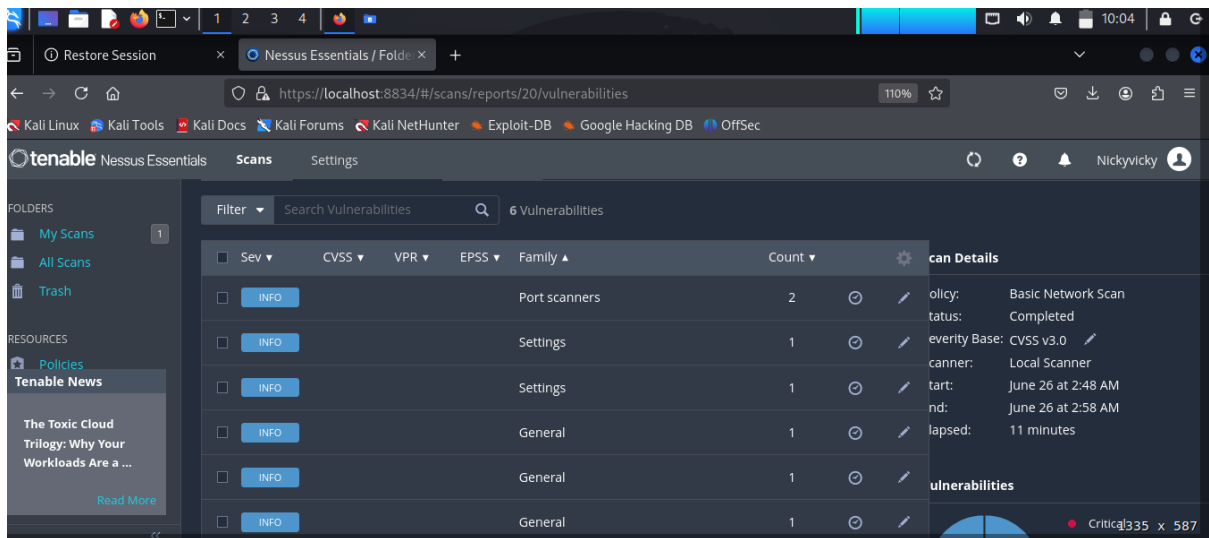


Fig 1.2