TASK-3

1. Review of Vulnerabilities and Severity
The Nessus scan conducted on host 127.0.0.1 identified a total of 33 vulnerabilities. These vulnerabilities are categorized by severity as follows:

- CRITICAL: 0
- HIGH: 0
- MEDIUM: 2
- LOW: 0
- INFO: 31

While there are no critical or high severity findings, the presence of medium and numerous informational findings still poses risks, particularly if they are leveraged together.

2. Fixes or Mitigations
Below are suggested remediations for some of the identified vulnerabilities:

- SSL Certificate Cannot Be Trusted (Plugin ID 51192):
  Use a certificate from a trusted certificate authority (CA).

- SMB Signing Not Required (Plugin ID 57608):
  Enable SMB signing in group policies to prevent man-in-the-middle attacks.

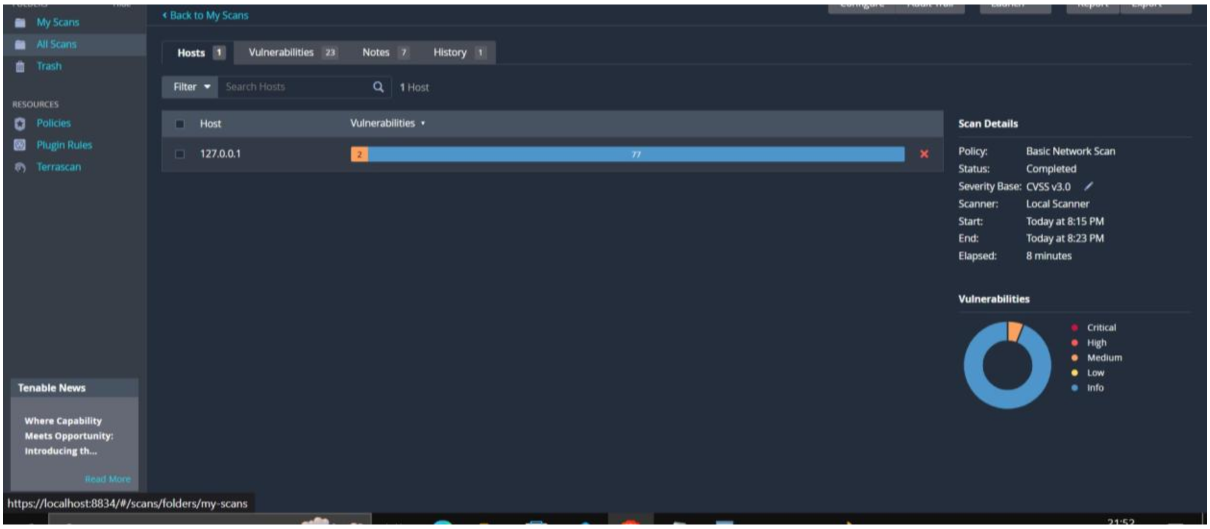
For informational findings, it is recommended to review exposure and disable unnecessary services.

3. Most Critical Vulnerabilities
The following medium severity vulnerabilities require attention:

1. SSL Certificate Cannot Be Trusted
   - CVSS: 6.5
   - Remediation: Replace with a certificate signed by a trusted authority.

2. SMB Signing Not Required
   - CVSS: 5.3
   - Remediation: Configure SMB to require signing for added security.

4. Screenshot of Scan Results



□ Host	Vulnerabilities ▾
□ 127.0.0.1	2 77

Scan Details

Policy: Basic Network Scan
Status: Completed
Severity Base: CVSS v3.0
Scanner: Local Scanner
Start: Today at 8:15 PM
End: Today at 8:23 PM
Elapsed: 8 minutes

Vulnerabilities

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https://localhost:8834/#/scans/folders/my-scans