# Vulnerability Scan Report — Task 3

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Tool Used: Nessus Essentials

Target: Localhost / My PC

# 1. Scan Setup

- Type of Scan: Basic Network Scan

- Target IP: 127.0.0.1

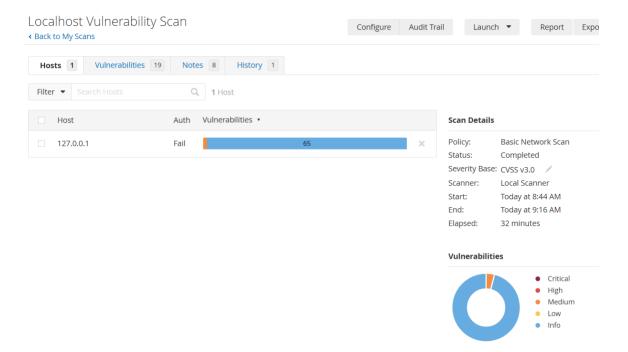
- Duration: 30 minutes

## 2. Scan Summary

Total Vulnerabilities Found:

- Critical: 0 - High: 0

Medium: 1 - Low: 0 - Info: 18



# 3. Key Vulnerabilities Identified



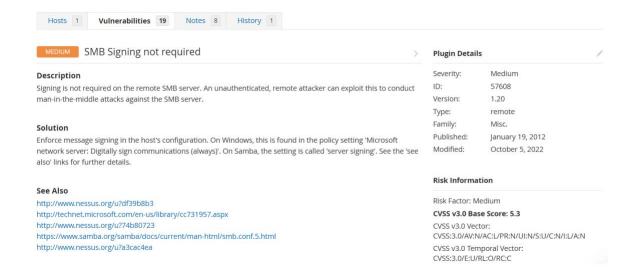
### Medium Vulnerability 1

Name: SMB Signing Not Required

Affected Port/Service: 445 / tcp / cifs

Risk: Allows attackers to perform man-in-the-middle attacks.

Recommendation: Enable SMB signing or apply latest Windows patches.



# 4. Observations and simple fixes

### - Observations

- The Nessus scan identified 1 Medium vulnerability (SMB Signing not required) and 18 informational findings.
- While the informational findings do not pose direct risk, they highlight services and configurations that could be exploited if combined with other attacks.
- The most notable risk is the missing SMB signing, which can expose the system to manin-the-middle (MITM) attacks.

### -Simple Fixes

- Enable SMB signing in Windows security policies.
- Regularly apply Windows security updates.

- Disable unused network services (e.g., SMBv1, NetBIOS).
- Configure firewall rules to limit unnecessary network exposure.