Task 3: Basic Vulnerability Scan Report

🎯 Target: Localhost (127.0.0.1)

🛠 Tool Used: Nessus Essentials

📅 Scan Date: August 7, 2025

# 🔍 Summary of Vulnerabilities

|  |  |  |
| --- | --- | --- |
| Vulnerability | Severity | Fix |
| Node.js < 18.20.6 | Critical | Update to latest LTS |
| SQLite < 3.50.2 | High | Update SQLite |
| Untrusted SSL Certificate | Medium | Use certificate from a trusted CA |

# 📌 Top 3 Critical Vulnerabilities

1. Node.js multiple remote code execution vulnerabilities

2. SQLite memory corruption

3. Untrusted SSL certificate

# 💡 Remediation Steps

- Regularly update Node.js and SQLite to their latest secure versions.

- Implement TLS certificates from a trusted Certificate Authority (CA).

- Enable automatic system and application updates where possible.