

Perform a Basic Vulnerability Scan on Your PC

Task 3: Perform a Basic Vulnerability Scan on Your PC.

Objective:

- Use free tools to identify common vulnerabilities on your computer.

Tools:

- OpenVAS Community Edition (free vulnerability scanner)
- Nessus Essentials (free vulnerability scanner)

Deliverables:

- Vulnerability scan report listing identified issues.
- Screenshots of scan results.

Mini Guide / Steps:

- Obtain a sample phishing email (many free samples available online).
- Examine the sender's email address for spoofing.
- Check email headers for discrepancies (use an online header analyzer).
- Identify suspicious links or attachments.
- Look for urgent or threatening language in the email body.
- Note any mismatched URLs (hover over links to see the real destination).
- Verify presence of spelling or grammar errors.
- Summarize all phishing traits found in the email.

Interview Questions:

- What is vulnerability scanning?
- What is the difference between vulnerability scanning and penetration testing?
- What are some common vulnerabilities in personal computers?
- How do scanners detect vulnerabilities?
- What is CVSS (Common Vulnerability Scoring System)?
- How often should vulnerability scans be performed?
- What is a false positive in vulnerability scanning?
- How do you prioritize vulnerabilities?

Key Concepts:

- Vulnerability scanning
- Risk assessment
- CVSS (Common Vulnerability Scoring System)
- Remediation / mitigation
- Security tools