

B. Perform Vulnerability Analysis using the following tools

Aim

To identify vulnerabilities in the target system using vulnerability scanning tools.

Tools Used

- Nessus
 - OpenVAS
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◆ (i) Nessus

Aim

To scan the system for vulnerabilities using Nessus.

Steps

1. Open **Nessus** web interface.
2. Login using credentials.
3. Create a **New Scan**.
4. Enter target IP address.
5. Start the scan.
6. View vulnerability report.

Result

Nessus displays detected vulnerabilities and severity levels.

◆ (ii) OpenVAS

Aim

To perform vulnerability scanning using OpenVAS.

Steps

1. Open **OpenVAS** web interface.
2. Login with admin credentials.
3. Create a new scan task.
4. Enter target IP.
5. Start scanning.
6. Analyze vulnerability results.

Result

OpenVAS identifies security weaknesses in the system.

✓ Overall Result

Thus, enumeration and vulnerability analysis were successfully performed using various tools.

Viva-Ready Answer

“Enumeration provides detailed system information, while vulnerability analysis identifies weaknesses that can be exploited.”