Ex. No. 4	Vulnerability Scanning using Nessus
Date of Exercise	29/08/23

Aim:

To scan a target IP and raise an alert if it discovers any vulnerabilities using Nessus, a security vulnerability scanning tool.

Description:

Nessus is a remote security scanning tool, which scans a computer and raises an alert if it discovers any vulnerabilities that malicious hackers could use to gain access to any computer you have connected to a network. It does this by running over 1200 checks on a given computer, testing to see if any of these attacks could be used to break into the computer or otherwise harm it. It works by testing each port on a computer, determining what service it is running, and then testing this service to make sure there are no vulnerabilities in it that could be used by a hacker to carry out a malicious attack.

Algorithm:

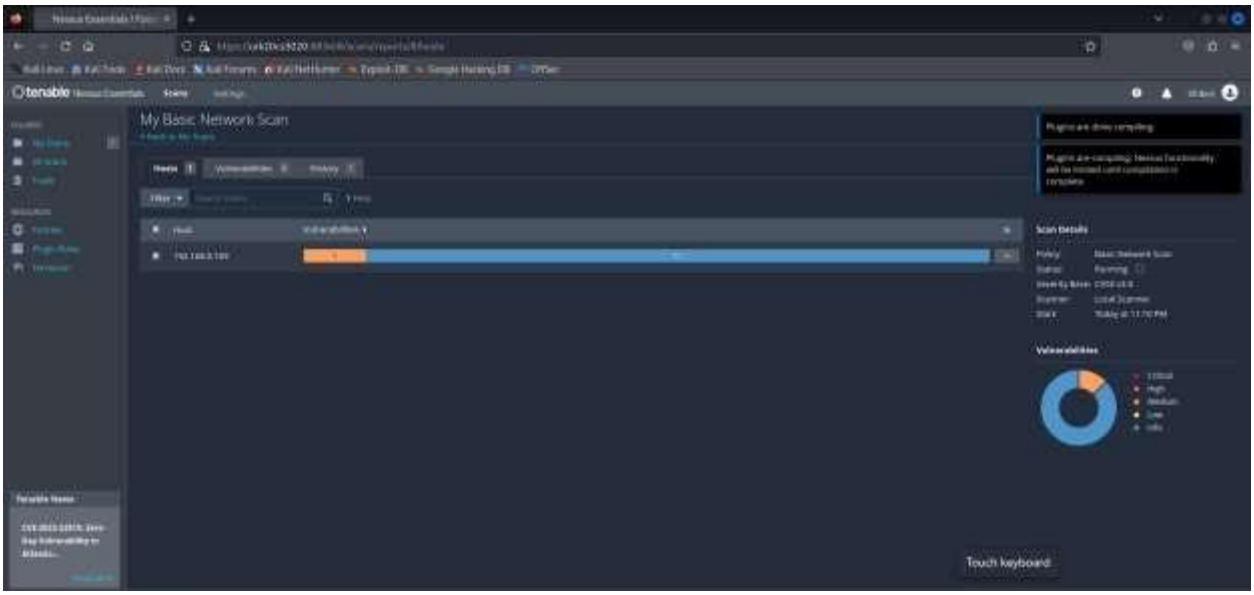
- Download Nessus and execute the following commands

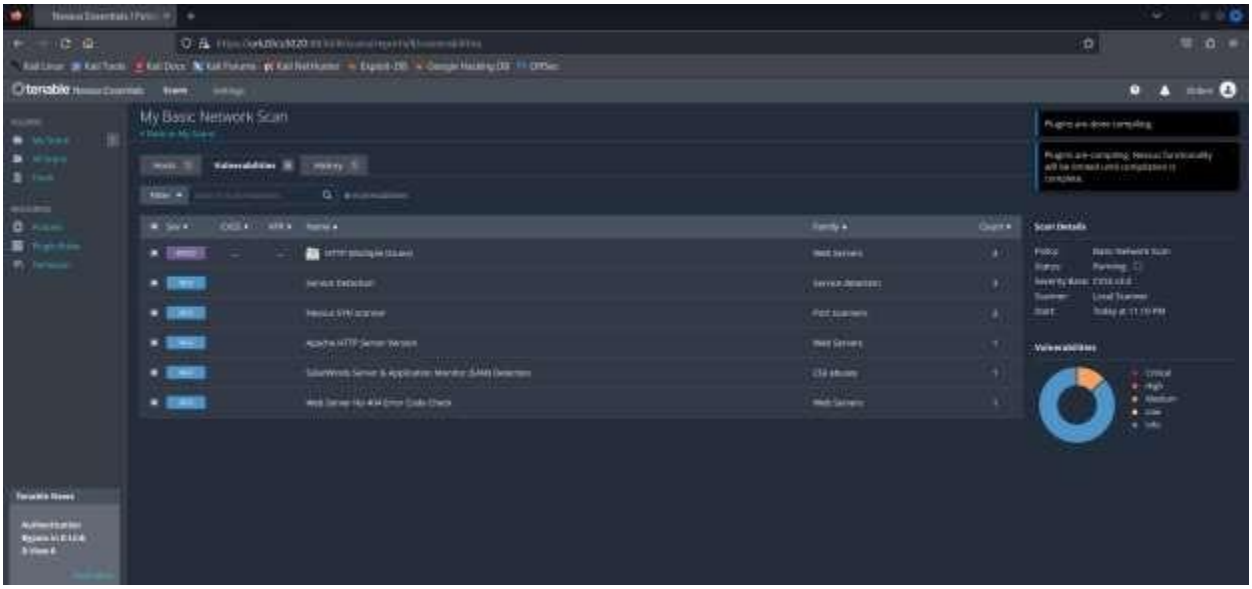
1. sudo dpkg -i Nessus-10.3.0-debian9_amd64.deb
2. sudo systemctl start nessusd.service
3. sudo systemctl status nessusd.service

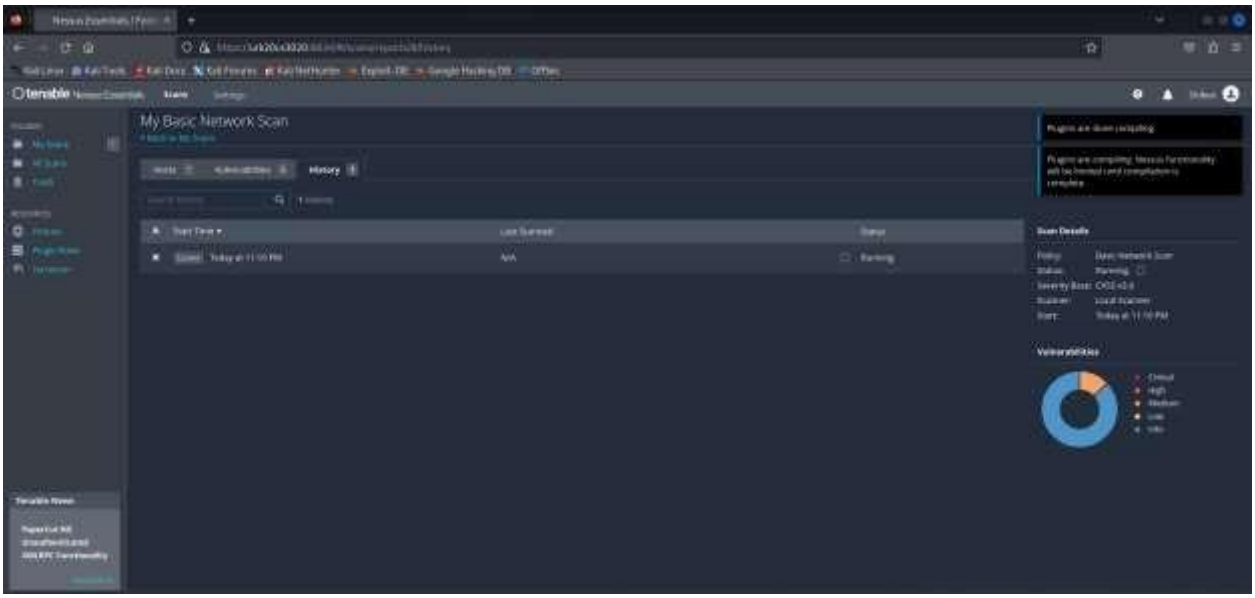
- Open link in Firefox

- Create Nessus Essentials account and download
- Click Basic Network Scan
- Create new scan and click Basic Network scan
- Configure Settings and save
- Launch Scan
- Viewing the Results

Output:


My Basic Network Scan
Touch keyboard


My Basic Network Scan



Result:

The given experiment has been carried out and the output has been verified successfully.