Don Bosco Institute of Technology, Mumbai 400070 Department of Information Technology

Experiment No.: 10

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Batch: B Roll No: 24

Title: NESSUS tool

Problem Definition: Use NESSUS/ISO Kali Linux tool to scan the network for vulnerabilities.

Prerequisite: Basic Knowledge of kali linux and network scanning

Theory:

A vulnerability is a weakness or error in a system or device's code that, when exploited, can compromise the confidentiality, availability, and integrity of data stored in them through unauthorised access, the elevation of privileges, or denial of service.

Nessus is developed by Tenable, Inc. It is a remote security scanning tool, which scans a computer for vulnerabilities that malicious hackers could use to gain access to any computer you have connected to a network.

Purpose: Vulnerability Assessment

- Vulnerability scanning is a process of identifying network, application, and securityvulnerabilities.
- In addition to identifying security loopholes, vulnerability scans also predict effectivesolutions to counter a threat or attack .
- After the scan, a report is generated. The findings in the report can then be analysed and interpreted to identify opportunities to improve security

Procedure/ Algorithm:

Step 1.)Download and install Nessus

```
/home/kali/Downloads
 # echo ^c554ca707e3290b69ddc8a57412d
Nessus-10.3.0-ubuntu1404_amd64.deb: OK
                                                                       12d2273a56397973ec72170c9d56c31a70b2973* Nessus-10.5.0-ubuntu1404_amd64.deb | sha2500um -c
            rece Mail 3- /home/kali/Downloads
ado dpkg -i Nessus-10.3.0-ubuntu1404_amd64.deb
Selecting previously unselected package nessus.

(Reading database ... 410652 files and directories currently installed.)

Preparing to unpack Nessus-10.3.0-ubuntu1404_amd64.deb ...

Unpacking nessus (10.3.0) ...

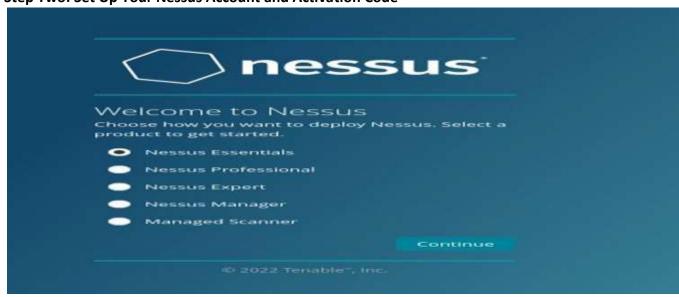
Setting up nessus (10.3.0) ...

Unpacking Nessus Scammer Core Components...

    You can start Nessus Scanner by typing /bin/systemctl start messusd.service
    Then go to https://kali:8834/ to configure your scanner

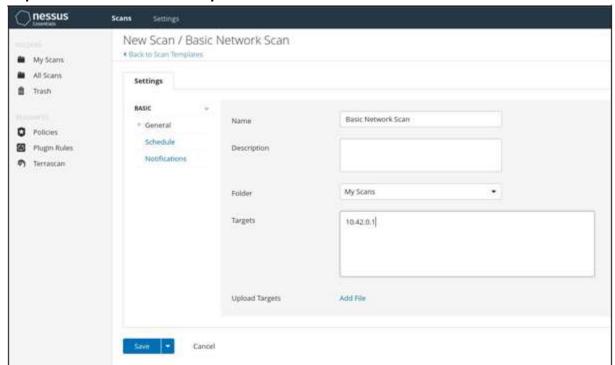
       (morth ball) [/bone/kali/Downloads
audo systemeth start messuad
    (spots tale) //home/kali/Downloads|
= Sudd systemil status nessusd
nessusd.service - The Nessus Vulnerability Scanner
Loaded: loaded (/lib/systemd/system/nessusd.service; disabled; preset: disabled)
Active: active (running) since Mon 2022-10-03 00:47:42 EDT; 9s ago
     Main PID: 5331 (nessus-service)
Tasks: 12 (limit: 8667)
          Memory: 129.7M
         CPU: 9.386s
CGroup: /system.slice/nessuad.service
                         L5331 /opt/messus/shin/oessus-service -q
L5332 messumd -q
Oct 03 00:47:42 kali systemd[1]: Started The Nessus Vulnerability Scanner.
Oct 03 00:47:43 kali nessus-service[5332]: Cached 0 plugin libs in Amsec
Oct 03 00:47:43 kali nessus-service[5332]: Cached 0 plugin libs in Amsec
        | /home/kali/Downloads
| sudn mystemett enable nessusd
  reated symlink /etc/systemd/system/multi-user.target.wants/nessusd.service -> /lib/systemd/system/nessusd.service.
                               /home/kali/Downloads
   Sudo systemct status nessusd
nessusd.service - The Nessus Vulnerability Scanner
Loaded: loaded (/lib/systemd/system/sessusd.service; enabled; preset: disabled)
Active: active (running) since Mom 2022-10-03 00:47:42 EDT; 29s ago
Nain PID: 5331 (nessus-service)
           Tasks: 12 (limit: 8667)
         Memory: 152.9M
CPU: 28.348s
          CGroup: /system.slice/nessusd.service
```

Step Two: Set Up Your Nessus Account and Activation Code





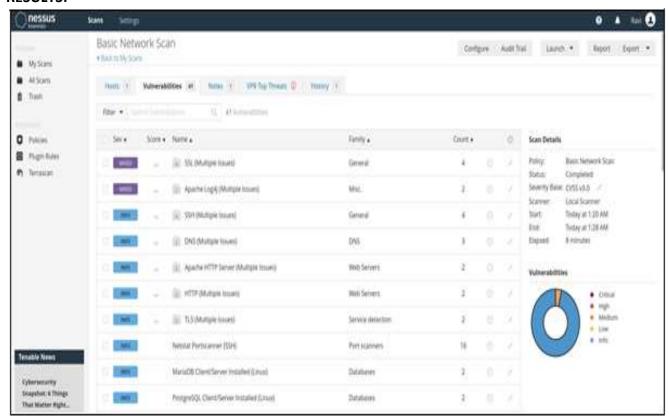
Step Three: Start a Vulnerability Scan

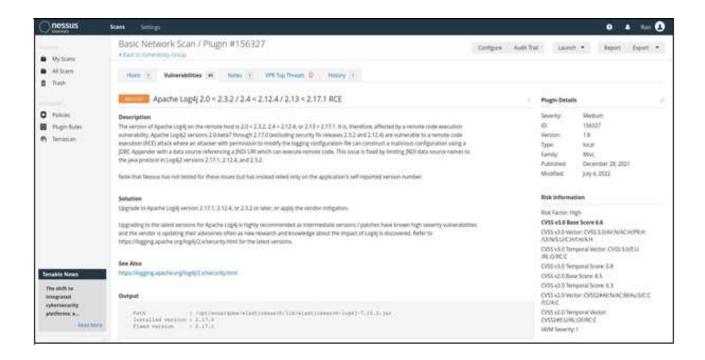


Step Four: Make Sense of the Results



RESULTS:





References: https://adamtheautomator.com/install-nessus-on-kali/