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BEIT	Date: / /
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Ics class	Assignment 3 (Mapping Co3)
Write brief note on Ne	twork Security Scanners 1. No
2. Metasploit.	audity continue (5)
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	· Heratar (Harta)
1. Nmap:-	
Nmap (network map) is	a Free & open-source security
scanner that is used -	o discover hosts & services o
a computer network, th	nus building a "map" of the
network.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Nmap sends specially cr	afted packets to the target
hast & then analyses	the responses to build a
network map of the i	mastructuse;
It is written in cach	python & Lua
from off to you	the orthodorum.
Features & Capabilities:	i skot had
	lac la
OHost Discovery: Iden	tify machines on a network
(2) Port Scanning: Identi	Fy open ports on machines
	tection: Identify version num
Ans potention: Os non	ne, Description, Vendor name, De
Type & CPE	Tipalahaysanst 200
(5) Automation: Nmap S	cripting Engine (NSE) helps -
automate several ne	tworking tasks
of the manually on	walls was subvar

Typical Usage:-

- Osecurity auditing of devices & networks
- @Identifying various ports & services
- 3 Build infrastructure inventory
- @Identify vwnerabilities

2. Metasploit:

Metasploit is a penetration testing platform that enables you to find, exploit & validate vulnerabilities.

Penetrating testing is a domain within information security which involves conducting deep security testing of the deployed infrastructure. Its focus is to identify & fix vulnerabilities before the vulnerabilities could be discovered & exploited by the attackers. Metasploit is one of the most used tools in the security industry & offers several capabilities.

It is written in Ruby.

Features & Capabilities:

- 1005 Finger printing: Identify as details
- @Identify open ports & running services
- 3 Conduct vulnerability scan
- DExploit know vulnerabilities manually or automatically

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6) Password cracking	
STANDIN CHICKING	
Typical Usage:-	
O Penetration testing ② Conducting security audit ③ Vulnerability reporting & compli	
2) Conducting security audit	
3) Vulnerability reporting & campli	ance verification