MAJOR – SEP

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**Cyber Security Major Project**

6. Write an Article on cybersecurity and recent attacks which you came across in media and news

and research on that news, and explain the any topic which you learned in this course and

mention what you learned

1. Basics of EH

2. Basics of NW

3. Footprinting

4. Scanning

5. Phishing

6. Vulnerability Assessment

7. website Hacking

8. firewalls

9. system hacking

10. IOT & Cloud

11. virus & Trojans

**TOP 20 NETWORK SCANNING TOOLS**

### 11. Angry IP Scanner

### 12. GFI LANGuard

### 13. Nagios

### 14. Capsa Free

### 15. Open NMS

### 16. Retina

### 17. Snort

### 18. NetworkMiner

### 19. Splunk

### 20. Icinga 2

### 1. SolarWinds Network Performance Monitor

### 2. Advanced IP Scanner

### 3. Acunetix

### 4. Paessler PRTG Network Monitor

### 5. OpenVAS

### 6. Intruder

### 7. Wireshark

### 8. Skyboxsecurity

### 9. Thousandeyes

### 10. Spiceworks IP Scanner

a target during footprinting:

* Domain name
* Network blocks
* Network services and applications
* System architecture
* Intrusion detection system
* Authentication mechanisms
* Specific IP addresses
* Access control mechanisms
* Phone numbers
* Contact addresses

**Some of the common tools used for footprinting and information gathering are as follows:**

* Whois
* NSlookup
* Sam Spade
* SuperScan
* Nmap
* TcpView
* My ip Suite
* Dns enumerator
* Spider Foot
* Nessus
* Zone Transfer
* Port Scan
* HTTP Header Grabber
* Honeypot Detector

# Top 10 Phishing Tools

### [Evilginx2](https://github.com/kgretzky/evilginx2)

### [SEToolkit](https://github.com/trustedsec/social-engineer-toolkit)

### [HiddenEye](https://github.com/DarkSecDevelopers/HiddenEye)

### [King-Phisher](https://github.com/securestate/king-phisher)

### [Gophish](https://github.com/gophish/gophish)

### [Wifiphisher](https://github.com/wifiphisher/wifiphisher)

### [SocialFish](https://github.com/UndeadSec/SocialFish)

### BlackEye

### Shellphish

### [zphisher](https://github.com/htr-tech/zphisher)

## Top 13 Vulnerability Scanner Tools

1. [Qualys Vulnerability Management](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#qualys)
2. [AT&T Cybersecurity](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#att)
3. [Tenable Nessus](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#nessus)
4. [Alibaba Cloud Managed Security Service](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#alibaba)
5. [Netsparker](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#netsparker)
6. [Amazon Inspector](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#aws)
7. [Burp Suite](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#burp)
8. [Acunetix Vulnerability Scanner](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#acunetix)
9. [Intruder](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#intruder)
10. [Metasploit](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#metasploit)
11. [Nmap](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#nmap)
12. [IBM Security QRadar](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#qradar)
13. [Rapid7 InsightVM (Nexpose)](https://www.esecurityplanet.com/networks/vulnerability-scanning-tools/#rapid7)

List of virus maker tools:

* DELmE’s Batch Virus Generator
* JPS Virus Maker Tool