Footprinting

Footprinting is an ethical hacking technique used to gather as much data as possible about a specific targeted computer system, an infrastructure and networks to identify opportunities to penetrate them. It is one of the best methods of finding vulnerabilities. There are two types of footprinting in ethical hacking:

- 1. active footprinting
- 2. passive footprinting
- Active Footprinting: Active footprinting means performing footprinting by getting in direct touch with the target machine.
- Passive Footprinting: Passive footprinting means collecting information about a system located at a remote distance from the attacker.

Reconnaissance

Reconnaissance, often referred to as "recon" in cyber security and military contexts, is the preliminary phase of a security assessment or attack where information is gathered about a target system, network, or organization. It is a critical step in understanding the potential weaknesses and vulnerabilities that can be exploited. Reconnaissance can take several forms,

- Passive Reconnaissance: Passive reconnaissance techniques include searching online resources such as search engines, social media platforms, public records, job postings, and websites to collect information about the target.
- Active Reconnaissance: Active reconnaissance techniques include port scanning, network mapping, OS fingerprinting, and other methods to probe the target for vulnerabilities and weaknesses.

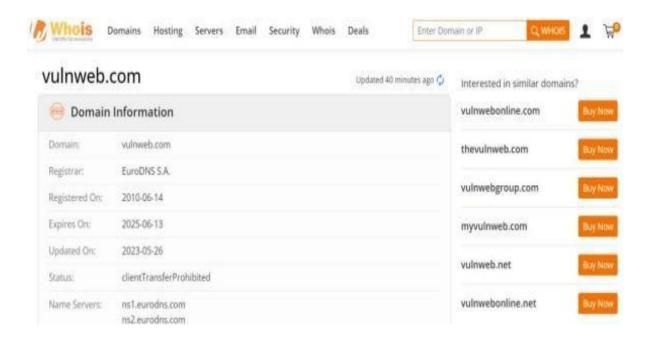
Reconnaissance serves several purposes:

- Information Gathering: Reconnaissance helps attackers identify potential targets, understand the target's infrastructure, and gather information about its systems, services, and personnel.
- Vulnerability Identification: Reconnaissance helps identify potential weaknesses and those vulnerabilities in the target system or network that can be exploited during an attack.

- Attack Planning: Reconnaissance provides attackers with valuable insights into the targetenvironment, allowing them to develop effective attack strategies and tactics.
- Defense: Reconnaissance is also used by defenders to gather intelligence about potential threats and vulnerabilities in their own systems and networks, enabling them to take proactive measures to mitigate risks and strengthen their security posture.

Domain Information:

Domain information can be gathered from the "Whois" website.



Registrant Contact:

Registrant contact or legal owner of the domain name and information.

Registrant Contact		
Name:	Acunetix Acunetix	
Organization:	Acunetix Ltd	
Street:	3rd Floor,, J&C Building,, Road Town	
City:	Tortola	
Postal Code:	VG1110	
Country:	VG	
Phone:	+1.23456789	
Email:	administrator@acunetix.com	

Administrative Contact:

They receive important notifications regarding the domain name's expiration. Approval for domain transfers often requires their consent.

& Adminis	strative Contact
Name:	Acunetix Acunetix
Organization:	Acunetix Ltd
Street:	3rd Floor,, J&C Building,, Road Town
City:	Tortola
Postal Code:	VG1110
Country:	VG
Phone:	+1.23456789
Email:	administrator@acunetix.com

Technical Contact:

A technical contact is the individual or organization responsible for managing the technical aspects of a domain name. This includes the maintenance of the domain name's DNS records and contact information.

Rechnical Contact		
Name:	Acunetix Acunetix	
Organization:	Acunetix Ltd	
Street:	3rd Floor,, J&C Building,, Road Town	
City:	Tortola	
Postal Code:	VG1110	
Country:	VG	
Phone:	+1.23456789	
Email:	administrator@acunetix.com	

Raw Whois Data

Domain Name: vulnweb.com

Registry Domain ID: D16000066-COM

Registrar WHOIS Server: whois.eurodns.com

Registrar URL: http://www.eurodns.com

Updated Date: 2023-05-26T10:04:20Z

Creation Date: 2010-06-14T00:00:00Z

Registrar Registration Expiration Date: 2025-06-13T00:00:00Z

Registrar: Eurodns S.A.

Registrar IANA ID: 1052

Registrar Abuse Contact Email: legalservices @eurodns.com

Registrar Abuse Contact Phone: +352.27220150

Domain Status: clientTransferProhibited http://www.icann.org/epp#clientTransferProhibit ed

Registry Registrant ID:

Registrant Name: Acunetix Acunetix

Registrant Organization: Acunetix Ltd

Registrant Street: 3rd Floor,, J&C Building,, Road Town

Registrant City: Tortola

Registrant State/Province:

Registrant Postal Code: VG1110

Registrant Country: VG

Registrant Phone: +1.23456789

Registrant Fax:

Registrant Email: administrator @acunetix.com

Registry Admin ID:

Admin Name: Acunetix Acunetix

Admin Organization: Acunetix Ltd

Admin Street: 3rd Floor,, J&C Building,, Road Town

Admin City: Tortola

Admin State/Province:

Admin Postal Code: VG1110

Admin Country: VG

Admin Phone: +1.23456789

Admin Fax:

Admin Email: administrator @acunetix.com

Registry Admin ID:

Admin Name: Acunetix Acunetix

Admin Organization: Acunetix Ltd

Admin Street: 3rd Floor,, J&C Building,, Road Town

Admin City: Tortola

Admin State/Province:

Admin Postal Code: VG1110

Admin Country: VG

Admin Phone: +1.23456789

Admin Fax:

Admin Email: administrator @acunetix.com

Registry Tech ID:

Tech Name: Acunetix Acunetix

Tech Organization: Acunetix Ltd

Tech Street: 3rd Floor,, J&C Building,, Road Town

Tech City: Tortola

Tech State/Province:

Tech Postal Code: VG1110

Tech Country: VG

Tech Phone: +1.23456789

Tech Fax:

Tech Email: administrator @acunetix.com

Name Server: ns1.eurodns.com

Name Server: ns2.eurodns.com

Name Server: ns3.eurodns.com

Name Server: ns4.eurodns.com

DNSSEC: unsigned



Pv6 address	Not Present	Top Level Domain	Commercial entitles Com	
Pv6 autonomous systems	Not Present	DNS Security Extensions	Unimperi	
Newsrae DNS	ec2.44.228.249.3.us west-2 compute amazonaws.com			
P delegation				
Pv4 address (44.228.249.3)				
Prange	Country	Name	Description	
144447-0-0-0-0-0-0-0-0-	■ United States	JANA-IPV4 MAPPED-ADDRESS	Internet Assigned Numbers Authority	
L 44.0.0.8 44.255.255.255	United States	NET44	American Registry for Internet Numbers.	
L 44, 192.0 B-44, 255, 255, 255	MI United States	AMA20-4	Arragion com, Inc.	
L 44,224,8.8-44,255,255,255	Limited States	AMAZO-ZPOK	Amesopolucimi, inc.	
L 44,228,248,3	United States	AMAZO-ZPOX	Arnazon.com, inc.	
IP delegation				
IPv4 address (44.228.249.3)				
₽ range	Country	Name	Description	
11777-0.0.0.020	Control States	TANA SPV4-MAPPED-ADDRESS	Internet Assigned Numbers Authority	
% 44.0.0.0-44.350.355.355	united States	NETAA	American Registry for Internet Numbers	
\$ 44,192.0.0.44,255.255.255	■■ United States	AMAZO-4	Amazon.com, Inc.	
L 44.224.8.4-44.255.255.255	United States	AMAZO-ZPDK	Amazon.com, Inc.	
L 44.228.249.3	■ United States	AMAZO ZPDK	Amazon.com, Inc.	

Hosting History

Nathlick owner	IP address	os	Web server	Last seen
Amazon.com, Inc. ECJ, ECJ 1200 12th Ave South Seattle WA US 98144	44,220,249,3	Linux	ngmv/1.19.0	17-Feb-2024
Amezon.com, Inc. EC2, EC2 1200 12th Are South Seattle WA US 98144	442282493	Linux	unknown	1-May-2023
Amazon.com, Inc. ECZ, ECZ 1206 12th Are South Sewtife WA US 98144	44228.249.3	Linux	ngms/1.19.0	30-Apr-2023
Amazon.com, Inc. ECZ, ECZ 1200 12th Ave South Seattle WA US 30144	44,228,249,3	Lings	unknown	11-Apr-2023
Amazon.com. Inc. EC2, EC2 1200 12th Ave South Seattle WA US 98144	44,226,340.3	tinus	rgms/1.10.0	10-Apr-2023
Amazon.com, Inc. ECZ, ECZ 1200 12th Ave South Seattle WA US 98144	44,228,249.3	sinkcipiem	rgro/1.18.0	5-746-2023
Amezon.com, Inc. EC2, EC2 1200 12th Ave South Seattle WA US 98144	44.228.249.3	unknown	unknown	29-Des 2022
Amagen.com, Inc. ECZ, ECZ 1200 12th Ave South Seattle WA US 98144	44.229.249.3	unterpant	rigme/1.19.0	26-Dec-3022
Amazon com, Inc. EC2, EC2 1200 12th Ave South Seattle WA US 98144	44,226,349.3	Linux	ngno/1.163	24-5ep-2022
Amazon.com, Inc. EC2, EC2 1200 12th Ave South Seattle WA US 98144	44,228,249.3	unkriown	ngms/1.79.0	23-5ep-2022

■ Site Technology (fetched 14 days ago)

Cloud & PaaS

Cloud computing is the use of computing resources (hardware and software) that are delivered as a service over a network (typically the Internet). Platform as a service (PaaS) is a category of cloud computing services that provide a computing platform and a solution stack as a service.

Eachtrology	Description	Popular sites using this technology
Amazon Web Services - BC2 Idf	Cloud computing service (Slastic Compute Cloud)	www.makeuseof.com, www.duelingo.com, onlyfans.com

Application Servers

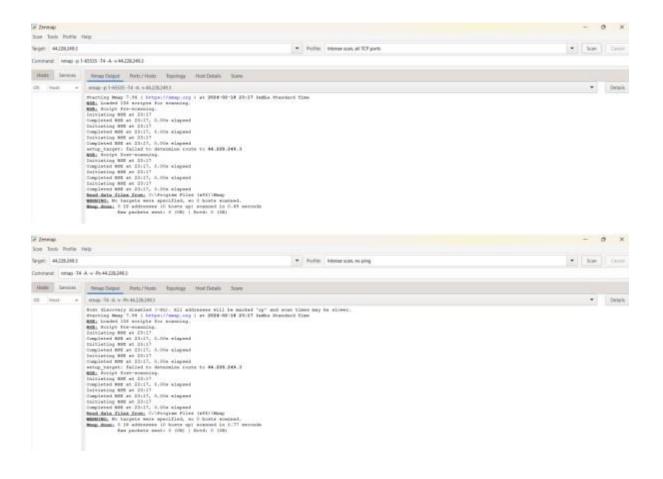
An application server is a server that provides software applications with services such as security, data services, transaction support, load balancing, and management of large distributed systems.

Technology	Description	Popular sites using this technology
Debur II	Na dissorption	www.amtpcorp.com, www.vinccihateles.com, swws.24prasse.com

Using Nmap Tool

Intense Scan





```
)-[/home/kali]
   nmap -T4 -A -v 44.228.249.3
Starting Nmap 7.93 ( https://nmap.org ) at 2024-02-22 23:14 EST
NSE: Loaded 155 scripts for scanning.
NSE: Script Pre-scanning.
Initiating NSE at 23:14
Completed NSE at 23:14, 0.00s elapsed
Initiating NSE at 23:14
Completed NSE at 23:14, 0.00s elapsed
Initiating NSE at 23:14
Completed NSE at 23:14, 0.00s elapsed
Initiating Ping Scan at 23:14
Scanning 44.228.249.3 [4 ports]
Completed Ping Scan at 23:14, 0.37s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host, at 23:14
Completed Parallel DNS resolution of 1 host. at 23:14, 0.70s elapsed
Initiating SYN Stealth Scan at 23:14
Scanning ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44.228.249.3) [1000 ports]
Discovered open port 80/tcp on 44.228.249.3
```

```
Discovered open port 80/tcp on 44.228.249.3
Completed SYN Stealth Scan at 23:14, 26.47s elapsed (1000 total ports)
Initiating Service scan at 23:14
Scanning 1 service on ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44.228.249.3)
Completed Service scan at 23:15, 30.14s elapsed (1 service on 1 host)
Initiating OS detection (try #1) against ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44
.228.249.3)
Retrying OS detection (try #2) against ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44.2
28.249.3)
Initiating Traceroute at 23:15
Completed Traceroute at 23:15, 1.49s elapsed
Initiating Parallel DNS resolution of 2 hosts. at 23:15
Completed Parallel DNS resolution of 2 hosts. at 23:15, 0.04s elapsed
NSE: Script scanning 44.228.249.3.
Initiating NSE at 23:15
Completed NSE at 23:15, 21.92s elapsed
Initiating NSE at 23:15
Completed NSE at 23:15, 3.00s elapsed
Initiating NSE at 23:15
Completed NSE at 23:15, 0.00s elapsed
Nmap scan report for ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44.228.249.3)
Host is up (0.37s latency).
Not shown: 999 filtered tcp ports (no-response)
PORT STATE SERVICE VERSION
80/tcp open http
                      nginx 1.19.0
Warning: OSScan results may be unreliable because we could not find at least 1 open and 1 clo
sed port
OS fingerprint not ideal because: Missing a closed TCP port so results incomplete
No OS matches for host
Uptime guess: 0.000 days (since Thu Feb 22 23:15:11 2024)
Network Distance: 3 hops
TCP Sequence Prediction: Difficulty=264 (Good luck!)
IP ID Sequence Generation: All zeros
TRACEROUTE (using port 80/tcp)
HOP RTT
              ADDRESS
    448.98 ms gpon.net (192.168.1.1)
    448.60 ms 10.24.0.1 (10.24.0.1)
    450.05 ms ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44.228.249.3)
```

```
TRACEROUTE (using port 80/tcp)
HOP RTT
             ADDRESS
1 448.98 ms gpon.net (192.168.1.1)
2 448.60 ms 10.24.0.1 (10.24.0.1)
3 450.05 ms ec2-44-228-249-3.us-west-2.compute.amazonaws.com (44.228.249.3)
NSE: Script Post-scanning.
Initiating NSE at 23:15
Completed NSE at 23:15, 0.00s elapsed
Initiating NSE at 23:15
Completed NSE at 23:15, 0.00s elapsed
Initiating NSE at 23:15
Completed NSE at 23:15, 0.00s elapsed
Read data files from: /usr/bin/../share/nmap
OS and Service detection performed. Please report any incorrect results at https://nmap.org/s
ubmit/ .
Nmap done: 1 IP address (1 host up) scanned in 98.72 seconds
           Raw packets sent: 2138 (98.178KB) | Rcvd: 95 (5.486KB)
```