IP Ranges Composing

- Browsable location lists
- and their IP addresses • All IP of locality
- (region, city)
- All IP of countries • All IP of ISPs
- All IP of continents • All IP of Autonomous
- System (AS) • IP ranges of all Internet Service Providers (ISPs) and organizations

Find out information about yourself

- Find out my IP • Find out your User
- <u>Agent</u> • Checking whether my real IP leaking (it tries to reveal proxy)

Information Gathering

- Find out the location
- and Internet service provider by IP • Find out the location and Internet service
- provider by IPv6 • <u>IP or Websites</u> Information Gathering
- Identify CMS of
- <u>Websites</u> • WebApp Information
- Generate and test domain typos and

Gatherer

- <u>variations</u> • Web-sites on a single IP • IP address of a web-site
- IP address history of web sites
- <u>List ALL DNS records</u>
- HTTP response headers • Trace URL's jumps across the rel links to
- obtain the last URL • Checking the existence of a given mail
- Check the existence of a profile
- Search for profiles by <u>full names</u>
- Checking the existence
- of domains • Convert IP address to <u>hostname</u>
- Autonomous System Number Lookup by IP <u>Address</u>
- Search user in social
- <u>media</u> • OSINT Tool for All-In-One Web
- Reconnaissance **Information exfiltration**

from cache and web archives

- <u>Display page from</u> Google cache • <u>Simultaneous search in</u>
- several web archives

IP calculators

- <u>IP Subnet Calculator</u> • <u>IPv6 Subnet Calculator</u> • <u>IP address converter</u>
- IP address aggregator • Network Ranges in **CIDR**
- Split subnet by Network Mask
- Split subnet by size • Binary IP to standard
- <u>view</u> • Converting IP Addresses to Binary

Bypassing the prohibition

of displaying source HTML code, bypassing social content lockers

blocking view source <u>page</u> • Bypassing social

• Service bypassing

content lockers

Advanced search engines usage

• Advanced Google <u>search</u>

Encoding

• Encoding detection and encoding convertor

Anti CloudFlare technics • Whether a site behind

- **CloudFlare** • <u>Utilize misconfigured</u>
- DNS and old database records to find hidden IP's behind the CloudFlare network • <u>Disclosure of real IP of</u>
- sites are behind Cloudflare, Incapsula, SUCURI and other WAF

Images and Metadata

- <u>Geotagging</u> • <u>List all metadata of a</u> <u>file</u>
- <u>Web-site screenshots</u> • Checking my webcam
- <u>online</u> • Retrieving content from .DS Store

numbers • International Calling

Information about phone

Codes and Area Codes **Web Application Vulnerability Scanners**

• Black box WordPress vulnerability scanner

- <u>online</u> • <u>Detecting SQL injection</u>
- flaws online • <u>Drupal and SilverStripe</u> Vulnerability Scanner

Web Server Vulnerability Scanners

- Web server scanner (Nikto)
- Open ports and running services scanner (nmap) online
- GUI Nmap online
- scanner with options • IPv6 addresses Port
- scaning • Testing TLS/SSL encryption
- Security scanner for HTTP response headers

Subdomains and hidden files

- Search all subdomains of a website • Subdomain discovery
- (the second method) • <u>Instant search of</u> subdomains of any site (the third method)

Getting Information on MAC Addresses

• <u>Determine the device</u>

manufacturer (vendor) by MAC address

Web server analysis

• Apache log analysis • IP ping and IPv6 ping

Hashes, checksums

• Traceroute IP, IPv6, and Web Sites

• Hash type identification • NTLM Hash Generator

E-mail Analysis

• Extracting all information from an email letter

- **Analysis of executable** files
 - Extract all strings from executable file • Show information about the executable file

Proxy parsing

- Parsed proxy list of hidemyna.me
- Parsed proxy list of spys.one
- Parsed proxy list of gatherproxy.com
- **Special pages** • <u>Usage server resources</u>
- Raw IP search • <u>Donation</u>

- Report

- [!] legal disclaimer: Usage of sqlmap for attacking targets without prior mutual consent is illegal. It is the end user's responsibility to obey all applicable local, state and federal laws. Developers assume no liability and are not responsible for any misuse or damage caused by this program
- [*] starting @ 10:46:08 /2021-01-02/
- [10:46:08] [WARNING] unable to create output directory '/srv/http/.local/share/sqlmap/output' ([Errno 13] Permission denied: '/srv/http/.local'). Using temporary directory '/tmp/sqlmapoutputk3msdw3s' instead
- [10:46:08] [WARNING] unable to create history directory '/srv/http/.local/share/sqlmap/history' ([Errno 13] Permission denied: '/srv/http/.local'). Using temporary directory '/tmp/sqlmaphistoryqobudgks' instead [10:46:08] [INFO] using 'STDIN' for parsing targets list
- it appears that provided value for GET parameter 'next' has boundaries. Do you want to inject inside? ('/admin*/') [y/N] N [10:46:09] [INFO] testing connection to the target URL [10:46:09] [CRITICAL] can't establish SSL connection
- [*] ending @ 10:46:09 /2021-01-02/

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