GATHERING DNS INFO WITH DNSENUM

Tools: KALI LINUX Site: GOOGLE.COM

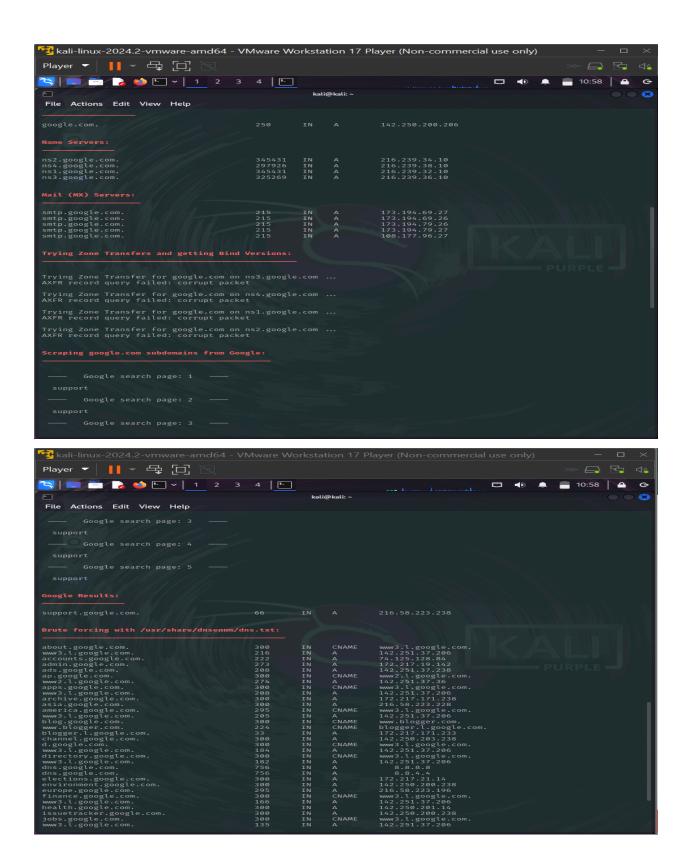
dnsenum is a DNS enumeration tool widely used for information gathering and penetration testing. It is written in Perl and is commonly included in security distributions like Kali Linux. Its primary purpose is to extract valuable information about a domain, such as subdomains, host records, and more.

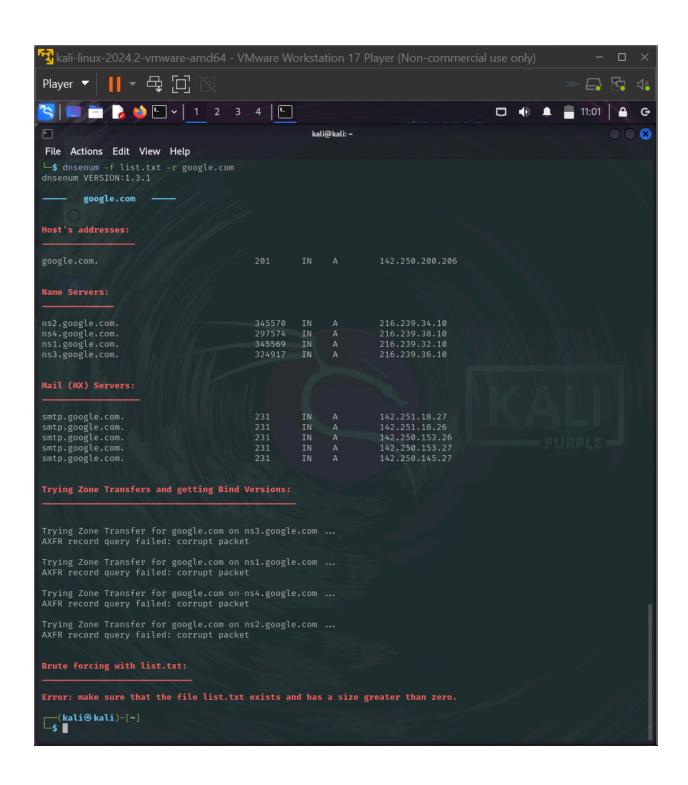
Input from kali:

```
Player Player Player Player Player (Non-commercial use only)

Player Player Player Player Player (Non-commercial use only)

| Player Player Player Player (Non-commercial use only) | Player Player (Non-commercial use only) | Pl
```





Here we would be using DNSENUM to gather information and test some of its uses. It comes pre installed in kali so we go on and check the help option with this command: dnsenum -h

Comprehensive DNS Enumeration Using dnsenum

Step 1: Performing a Comprehensive DNS Enumeration

To perform a comprehensive information-gathering scan on the domain google.com, use the following command:

dnsenum --enum google.com

This command will:

- 1. Gather information such as:
 - Host IP addresses
 - Name servers (NS)
 - Mail servers (MX)
 - Subdomains
- Attempt domain takeovers, which could reveal misconfigurations or unclaimed DNS records.
- 3. Perform automatic brute-forcing of common subdomains, such as:
 - admin.google.com
 - ∘ mail.google.com
 - webmail.google.com

This provides insights into the target's DNS infrastructure and expands the attack surface.

Step 2: Brute Force Search for Subdomains Using a Custom File

To perform a brute force search for subdomains with a custom list of keywords, follow these steps:

Create a Wordlist File

Create a file named list.txt and include subdomain keywords that you want to target. Example:

```
Copy code
mail
email
imap
pop3
smtp
webmail
admin
support
clients
secure
www
ftp
ldap
1.
```

Run the Command

Use the following dnsenum command to perform the brute force search: dnsenum -f list.txt -r google.com

2.

- o -f list.txt: Specifies the custom wordlist file.
- -r: Enables reverse lookups on IP ranges discovered during the scan.

Benefits of These Commands

- Reveals detailed DNS information, such as:
 - Subdomains
 - MX and NS records
- Identifies potential misconfigurations or vulnerabilities.

- Expands the attack surface by finding less obvious subdomains.
- Custom brute force allows you to focus on subdomains relevant to your objectives.

Additional Tips

- Use a comprehensive wordlist for brute-forcing to improve results. You can find or generate large wordlists with DNS-focused keywords.
- Combine this scan with other DNS tools for cross-validation of results.
- Only use these techniques on targets you have permission to assess to avoid legal or ethical issues.