## **Amass**

Amass is an open-source tool used for subdomain enumeration and network mapping. It's primarily employed in cybersecurity for reconnaissance purposes to gather information about a target domain's infrastructure. By enumerating subdomains, Amass helps security professionals identify potential entry points for attackers, vulnerabilities, and misconfigurations within a network.

Amass offers both passive and active reconnaissance techniques, utilizing sources like DNS, web scraping, and WHOIS information to collect data. It can be used to discover subdomains that might be overlooked, aiding in vulnerability assessments, penetration testing, and threat intelligence gathering.

Developed in Go, Amass is efficient and regularly updated to incorporate new features and improve performance. Its flexibility and command-line interface make it a popular choice among security professionals for reconnaissance tasks.

## **Steps to Enumerate Subdomains:-**

 In latest Linux Distribution Amass Tool is pre install and we can run it simply just typing amass inside the terminal.

```
Usage: amass intellenum (options)

- Show the program usage message
- weston
- Print the version number of this Amass binary

Subcommands:

- mass intell = Subcover targets for enumerations
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- amass intellenum (options)
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The user's guide can be found here:
- https://github.com/owasp-amass/amass/blob/master/doc/user_guide.md
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```

2. Here we have used -d flag to specify our target domain.

```
| mass etms | Marco | Mail | Marco | Mail |
```

3. If you are looking for an organization using "google" in their name then use intel <a href="#">-org</a> to get the output.

4. We can use -whois to grab the details from the specified domain's whois records, and then tries to find other domains with the similar whois records.

5. -brute is used to run a bruteforce subdomain enumeration.

```
| Caste Mail | - [/home/kail |
| amass enum = brute = d github.com
| github.com (FQDN) → ns_record → dns3.p08.nsone.net (FQDN)
| github.com (FQDN) → ns_record → ns-2.83.awsdns-32.org (FQDN)
| github.com (FQDN) → ns_record → ns-1283.awsdns-32.org (FQDN)
| github.com (FQDN) → ns_record → ns-1283.awsdns-31.com (FQDN)
| github.com (FQDN) → ns_record → ns-1287.awsdns-31.com (FQDN)
| github.com (FQDN) → ns_record → ns-421.awsdns-52.com (FQDN)
| github.com (FQDN) → ns_record → ns-520.awsdns-61.net (FQDN)
| github.com (FQDN) → ns_record → dns1.p08.nsone.net (FQDN)
| github.com (FQDN) → ns_record → dns1.p08.nsone.net (FQDN)
| github.com (FQDN) → ns_record → dns2.p08.nsone.net (FQDN)
| github.com (FQDN) → ms_record → alt1.aspmx.l.google.com (FQDN)
| github.com (FQDN) → ms_record → alt2.aspmx.l.google.com (FQDN)
| github.com (FQDN) → ms_record → alt3.aspmx.l.google.com (FQDN)
| github.com (FQDN) → ms_record → alt4.aspmx.l.google.com (FQDN)
| sithub.com (FQDN) → ms_record → alt4.aspmx.l.google.com (FQDN)
| ns-1283.awsdns-32.org (FQDN) → aspmx.l.google.com (FQDN)
| ns-1283.awsdns-32.org (FQDN) → a
```

## Few more examples of subdomains enumeration using amass:-

- amass intel -passive -d example.com
- amass intel -active -d example.com
- amass intel -ip -d example.com
- mass enum -d example.com -o output.txt
- amass enum -w wordlist.txt -d example.com