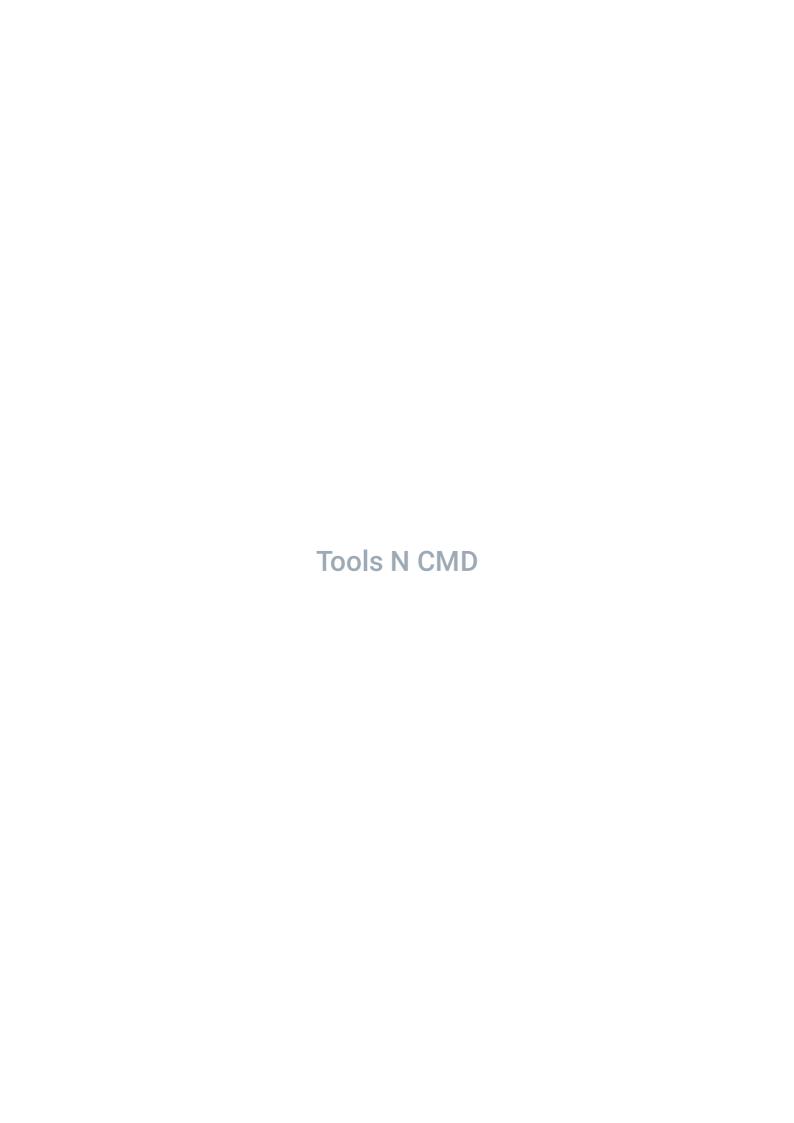


Whoami

I am Deependrasingh kushvaha. Many of you know me as Cheatdroit. I started my Bug bounty journey on 7 September 2020. After 6 months on 11 feb, I got my first bounty on Bugcrowd of 250\$. I am a student of IT Engineering. Before starting this I am already aware of Linux, Burpsuite, and Metasploit. So I am curious to know more about Bug bounty and the course of Vikash chaudhary sir really help me understand website Vulnerabilities. This is the duration of the pandemic where I learn all this. Infosec and bugbounty community also help me a lot.

Twitter

Linkedin



Go-lang

1. I feel the most important and difficult part is to install Go. Almost all tools like gf, ffuf, Subjack, Subover are written in Go so we have to install it first.

```
$ wget https://golang.org/dl/go1.16.3.linux-amd64.tar.gz
```

2. Extract the archive you downloaded into /usr/local, creating a Go tree in /usr/local/go.

For example, run the following as root or through sudo:

```
$ tar -C /usr/local -xzf go1.16.3.linux-amd64.tar.gz
```

3. Add /usr/local/go/bin to the PATH environment variable.

```
1 $ export PATH=$PATH:/usr/local/go/bin
2 $ echo 'export PATH=$PATH:/usr/local/go/bin' >> ~/.bashrc
```

4. Verify that you've installed Go by opening a command prompt and typing the following command:

```
$ go version
```

gf-tool

After installing and verifying go.

Install gf-tool

```
1 $ go get -u github.com/tomnomnom/gf
2 $ export PATH=$PATH:/root/go/bin/
```

Also add this path variable to ~/.bashrc

change username to your machine's name

You must find "gf-completion.bash" manually in my case I found this in pkg/mod/github.com

This is very important when you install gf pattern

```
$ echo 'export PATH=$PATH:/home/username/go/bin/' >> ~/.bashrc
$ $ echo 'source /home/username/go/pkg/mod/github.com/tomnomnom/gf@v0.0.0-20
$ $ echo 'export GOPATH=/home/cheatdroit/go' >> ~/.bashrc
```

Now you have copy the regex (gf-pattern)

Asl told you you have to find it manually.

You have this either in src folder or in pkg folder check both

```
$ cp -r $GOPATH/pkg/mod/github.com/tomnomnom/gf@v0.0.0-20200618134122-dcd4c3
```

If you want then you can also add more gf pattern by shiv chouhan

- \$ git clone https://github.com/1ndianl33t/Gf-Patterns
- 2 \$ cd Gf-Patterns
- 3 \$ mv ~/Gf-Patterns/*.json ~/.gf

Subdomain

Assetfinder

```
1 $ go get -u github.com/tomnomnom/assetfinder
2 $ assetfinder --subs-only hackerone.com >> subdomain.txt
```

Sublist3r + httpx

Installation of sublist3r

```
1 $ sudo apt-get install sublist3r
2 $ sublist3r -d hackerone.com
```

Installation of httpx from source

```
$ GO111MODULE=on go get -v github.com/projectdiscovery/httpx/cmd/httpx
```

Installation of httpx from Github

```
$ git clone https://github.com/projectdiscovery/httpx.git; cd httpx/cmd/http
```

some command of httpx

```
1 $ httpx -l hosts.txt -silent
2 $ httpx -l hosts.txt -title -content-length -status-code -silent
```

Use both and find live subdomain

\$ subfinder -d hackerone.com -silent | httpx -title -content-length -status-

httprobe

Installation

```
go get -u github.com/tomnomnom/httprobe
```

```
cat recon/example/domains.txt
example.com
example.edu
example.net
cat recon/example/domains.txt | httprobe
http://example.com
http://example.net
http://example.edu
https://example.com
https://example.edu
https://example.edu
https://example.edu
```

Amass

Installation

\$ sudo apt-get install amass

Usage

\$ amass enum -d hackerone.com

Dirsearch

Installation

```
$ git clone https://github.com/maurosoria/dirsearch.git
$ cd dirsearch
$ python3 dirsearch.py -u <URL> -e <EXTENSIONS>
```

usage

```
$ python3 dirsearch.py -e php,htm,js,bak,zip,tgz,txt -u https://target -t 36
```

Sqlmap

Installation

```
$ git clone --depth 1 https://github.com/sqlmapproject/sqlmap.git sqlmap-dev
```

Simple HTTP GET based test

```
$ python sqlmap.py -u 'http://mytestsite.com/page.php?id=5'
```

Getting blocked by the Web Application Firewall — WAF

```
$ python sqlmap.py -u "http://mytestsite.com/page.php?id=5" --random-agent
```

Retrieve the Database Tables

```
$ python sqlmap.py -u 'http://mytestsite.com/page.php?id=5' --tables
```

Dump the data

```
$ python sqlmap.py -u 'http://mytestsite.com/page.php?id=5' --tables
```

Crawl a website with SQLmap and auto-exploit

\$ sqlmap -u "http://example.com/" --crawl=1 --random-agent --batch --forms -

Nuclei

Installation

GO111MODULE=on go get -v github.com/projectdiscovery/nuclei/v2/cmd/nuclei

Download Templates

nuclei -update-templates

Usage

here -I (list of urls) and -t (templates)

nuclei -l target_urls.txt -t cves/ -c 50 -v

Subzy

Installation

```
1 go get -u -v github.com/lukasikic/subzy
2 go install -v github.com/lukasikic/subzy
```

Usage

```
1 subzy -targets list.txt
2 subzy -target test.google.com
3 subzy -target test.google.com,https://test.yahoo.com
```

ffuf

Installation

```
$ go get -u github.com/ffuf/ffuf
```

Fuzzing

```
$ ffuf -w /path/to/wordlist -u https://target/FUZZ
```

GET parameter fuzzing

GET parameter name fuzzing is very similar to directory discovery, and works by defining the Fuzz keyword as a part of the URL. This also assumes an response size of 4242 bytes for invalid GET parameter name.

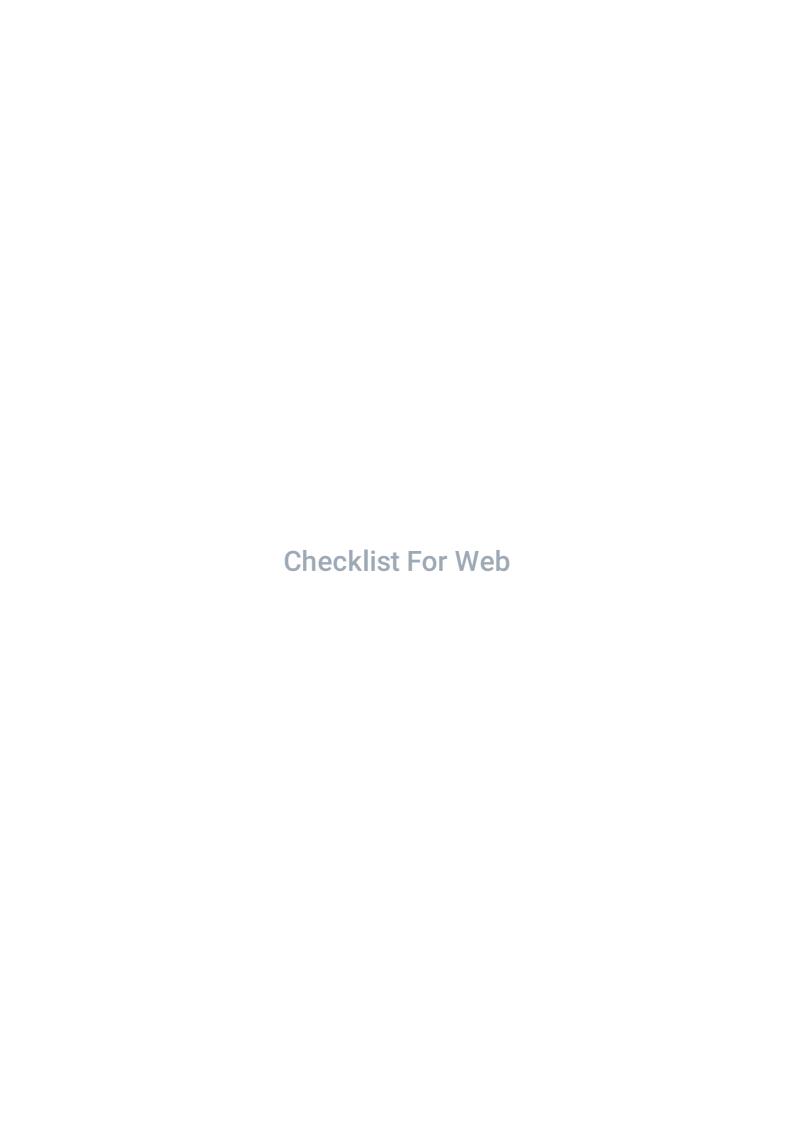
```
$ ffuf -w /path/to/paramnames.txt -u https://target/script.php?FUZZ=test_val
```

If the parameter name is known, the values can be fuzzed the same way. This example assumes a wrong parameter value returning HTTP response code 401.

```
$ ffuf -w /path/to/values.txt -u https://target/script.php?valid_name=FUZZ -
```

Post data fuzzing

\$ \$ffuf -w /path/to/postdata.txt -X POST -d "username=admin\&password=FUZZ"



Checklist

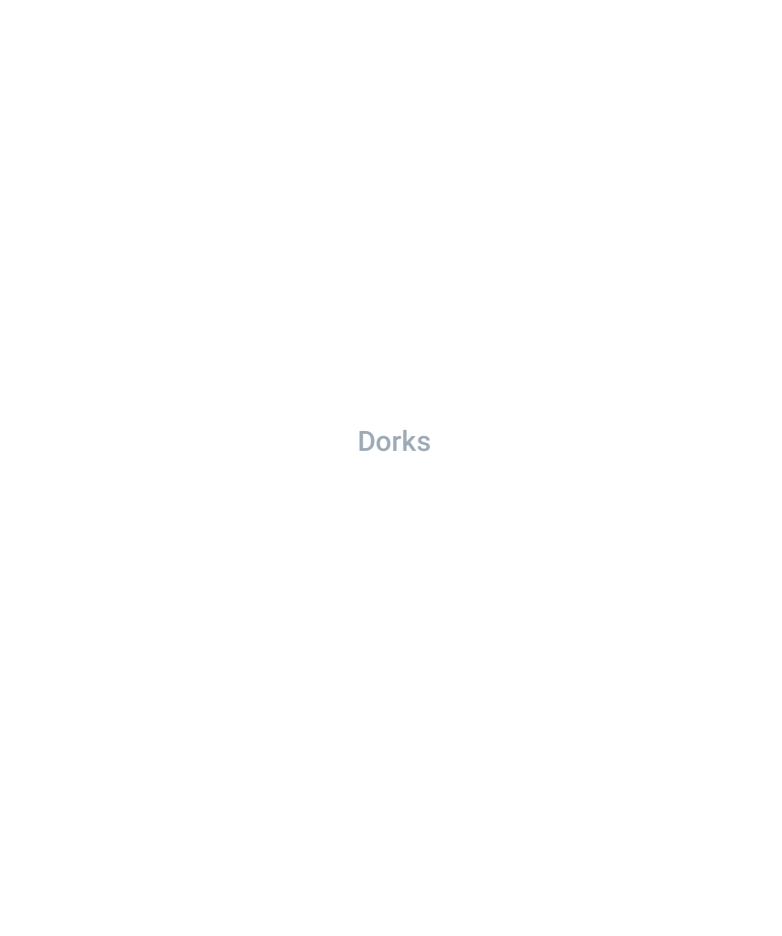
Recon

- 1. Find subdomain(assetfinder+sublist3r)
- 2. Check CNAME Records of those subdomains, Check for SubD takeover.
- 3. Use masscan for Port scanning(nmap)
- 4. Find live subdomain (httprobe + httpx)
- 5. Use nuclei temples (vuln+ expo and all)
- 6. Use Google dork
- 7. Do Github dork
- 8. Do shodan dork

On Webapp

- 1. Check for CORS Misconfiguration
- 2. Check for email header Injection on reset password function.
- 3. Check for SMTP and host header Injection
- 4. Check for I-Frame (for clickjacking)
- 5. Check for Improper access control and parameter Tampering.
- 6. Check for Session management.
- 7. Check for Burp History for finding endpoint
- 8. Use Arjun for finding hidden endpoints.
- 9. Check for CSRF.
- 10. Check for SSRF Parameters.
- 11. Check For XSS and SSTI.
- 12. Check Cryptography in Reset password Token.
- 13. Check for Unicode Injection In Email Parameter.
- 14. Check for Bypassing Rate Limit.
- 15. Direcctory Brute Force
- 16. Check For HTTP Request smuggling.
- 17. Check For Open Redirect Through waybackurls.
- 18. Check For social-sign bypass
- 19. Check For state Parameter in social sign-In & Check whether it's possible to cause DOS using Multiple cookies.
- 20. File-upload, CSRF, XSS, SSRF, RCE, LFI, XXE

21. Buffer overflow



Github Dork

Github dork for critical files

- filename:manifest.xml
- filename:travis.yml
- filename:vim_settings.xml
- filename:database
- filename:prod.exs NOT prod.secret.exs
- filename:prod.secret.exs
- filename:.npmrc _auth
- filename:.dockercfg auth
- filename:WebServers.xml
- filename:.bash_history
- filename:sftp-config.json
- filename:sftp.json path:.vscode
- · filename:secrets.yml password
- filename:.esmtprc password
- filename:passwd path:etc
- filename:dbeaver-data-sources.xml
- · path:sites databases password
- filename:config.php dbpasswd
- filename:prod.secret.exs
- · filename:configuration.php JConfig password
- filename:.sh_history
- shodan_api_key language:python
- filename:shadow path:etc
- JEKYLL_GITHUB_TOKEN
- filename:proftpdpasswd
- filename:.pgpass
- filename:idea14.key
- · filename:hub oauth token
- HEROKU_API_KEY language:json
- HEROKU_API_KEY language:shell

- SF_USERNAME salesforce
- filename:.bash_profile aws
- extension:json api.forecast.io
- filename:.env MAIL_HOST=smtp.gmail.com
- filename:wp-config.php
- extension:sql mysql dump
- filename:credentials aws_access_key_id
- filename:id_rsa or filename:id_dsa

GitHub Dorks for Finding Languages

- api_key
- "api keys"
- authorization_bearer:
- oauth
- auth
- authentication
- client_secret
- api_token:
- "api token"
- client_id
- password
- user_password
- user_pass
- passcode
- client_secret
- secret
- password hash
- OTP
- user auth
- jenkins

Github Dorks for finding usernames

user:name (user:admin)

- org:name (org:google type:users)
- in:login (in:login)
- in:name (in:name)
- fullname:firstname lastname (fullname:)
- in:email (data in:email)
- · GitHub Dorks for Finding Information using Dates
- created:<2012-04-05
- created:>=2011-06-12
- created:2016-02-07 location:iceland
- created:2011-04-06..2013-01-14 in:username

GitHub Dorks for Finding Information using Extension

- extension:pem private
- extension:ppk private
- extension:sql mysql dump
- extension:sql mysql dump password
- extension:json [api.forecast.io] (http://api.forecast.io/)
- extension:json [mongolab.com] (http://mongolab.com/)
- extension:yaml [mongolab.com] (http://mongolab.com/)
- [WFClient] Password= extension:ica
- extension:avastlic "[support.avast.com] (http://support.avast.com/)"
- extension:json googleusercontent client_secret

Shodan Dorks

• Big IP shodan Search:-

```
http.title:"BIG-IP®-Redirect" org:Org
```

• CVE 2020-3452

```
http.html_hash:-628873716 "set-cookie: webvpn;"
```

• CVE CVE-2019-11510

http.html:/dana-na/

My all time fav

ssl:target.* 200

Ssl.cert.subject.CN:"target.*" 200

Google dorks

```
inurl:example.com intitle:"index of"
inurl:example.com intitle:"index of /" "*key.pem"
inurl:example.com ext:log
inurl:example.com intitle:"index of" ext:sql|xls|xml|json|csv
inurl:example.com "MYSQL_ROOT_PASSWORD:" ext:env OR ext:yml -git
inurl:example.com intitle:"index of" "config.db"
inurl:example.com allintext:"API_SECRET*" ext:env | ext:yml
inurl:example.com intext:admin ext:sql inurl:admin
inurl:example.com allintext:username,password filetype:log
site:example.com "-----BEGIN RSA PRIVATE KEY-----" inurl:id_rsa
```