Sri Lanka Institute of Information Technology



BUG BOUNTY REPORT - 6

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Report Details

Report # - 06

Domain - https://booking.com

Platform -bugcrowd.com

Scans performed - Recon-ng scan

Nmap scan

Wafw00f scan

Dotdotpwn scan

Nikto scan

Sqlmap scan

Manual scanning using Wapplyzer

nslookup

metasploit

Nmap scan

Using nmap scan all the open ports in the target can be identified.

No unusual ports are open.

But Smtp port 25 is vulnerable when it's opened, because it lacks authentication and encryption.

Let's see if we can establish a connection on port 25.

Nslookup

```
(kali@kali)-[~]
$ nslookup booking.com
Server: 192.168.1.1
Address: 192.168.1.1#53

Non-authoritative answer:
Name: booking.com
Address: 108.156.133.69
Name: booking.com
Address: 108.156.133.87
Name: booking.com
Address: 108.156.133.112
Name: booking.com
Address: 108.156.133.155
```

The ip address of bokking.com is found.

Metasploit

Search for smtp.

Use the "fuzzer" module to fuzz the smtp service and the "smtp_enum" is used to username enumeration.

```
### STARTLEN 188 yes Length of Entrol ThreadS 1 yes Length of the string start mimber of concurrent threads (max ane per host)
```

Set the RHOSTS to temu.com or the set the ip address of temu.com.

Fuzzing failed due to connection time out indicating inability to enumerate the service. fuzzing attempts blocked by server.

Nikto scan

```
Server: ngims

Retrieved via header: 1.1 1607A517396ff3ce754eAacA22cJA6cs.cloudfront.net (CloudFront)

The anti-clickJacking K-Frame-Options header is not present.

Uncommon beader: A-maz-cf-jop; found, with contents: SINSI-P1

Uncommon beader: N-maz-cf-id found, with contents: 17cpcpt_to''default', "max_age':604888}

Uncommon beader: X-maz-cf-id found, with contents: 1New hooking.com/content/terms.html

Uncommon beader: X-maz-cf-id found, with contents: Instruction hooking.com/content/terms.html

Uncommon beader: Type-to' found, with contents: i'expaints':[{"usl":"https://web.hooking.com/content/]},"wax_age':604800,"group':"default')

Uncommon beader: Type-to' found, with contents: i'expaints':[{"usl":"https://web.hooking.com/contrent/]},"wax_age':604800,"group':"default')

Uncommon beader: A-cache' found, with contents: i'expaints':[{"usl":"https://web.hooking.com/contrent/]},"wax_age':604800,"group':"default')

Uncommon beader: A-cache' found, with contents: its dould allow the user agent to render the content of the site in a different fashion to the NIME type

**The Site uses SSL and Espect-CT header is not present.*

**The K-Content-Type-Options header is not set. This could allow the user agent to render the content of the site in a different fashion to the NIME type

**Root page / redirects to: https://www.hooking.com/

**All CGI directories 'found', use '-C nome' to test mome

**Server Dannor has changed from 'mgims' to 'Cloudfront' which may suggest a MAT, load halancer or proxy is in place

**ERRONE: from Limit (20) reached for heat, giving up. Last error: opening stream: can't connect: 55% negotiation failed: error:0A008410:55% routines::sslv)

**stake failure at /war/lib/nikto/plugins/LN2.ps line 5157.

**j at /war/lib/nikto/plugins/LN2.ps line 5157.

**j at /war/lib/nikto/plugins/LN2.ps line 5157.

**j Scan terrainated: 20 error(s) and 10 tites(s) reported on remote hust

**End Time: 2026-04-27 13:59:33 (OMT-4) (A59 seconds)

**J Nost(s)
```

Results obtained from the scan:

- The anti-clickjacking "X-Frame-Options" header, which helps prevent clickjacking attacks, is not present.
- The site uses SSL and Expect -CT header is not present.

The "expect-CT" header is a security feature that helps websites, and their users avoid the risks associated with incorrectly issued SSL certificates.

It supports transparency and accountability when issuing SSL certificates, which improves overall web security.

There are some issues/disadvantages occurred when the "expect-CT" header is absent:

- The protection against the mis issuing of SSL certificates will be low.
- Mismanagement of SSL certificates.
- No trust and security

But the absence of "expected-CT" header is not a huge vulnerability or a security issue in a website.

• The X-Content-Type-Options header is not set.

Recon-ng

here the recon-ng will be used to find all the sub domains in the target.

```
[recon-ng][default] > montapares create but
[recon-ng][default] > montapares create but
[recon-ng][dult][hackertarget] > ajex options
[recon-ng][dult][hackertarget] > ajex options
[recon-ng][dult][hackertarget] > show options
Somes various (ranework item

Usage: alow ecompanies(contacts)credentials)domains[heats][waks][acations]netSlocks[ports]profiles]gushgins[repositarios]walmerabilitiess
[recon-ng][dult][hackertarget] > options set SDUNCE backing.com
SOURCE on Booking.com
[recon-ng][dult][hackertarget] > run

BOOKING.COM
[*) Country: None
[*] Float: Booking.com
[*] Inj.direcon: 12.278.22.127
[*] Latitude: None
[*] Longitude: None
[*] Moreal None
[*] Hegion: None
[*] Hegion: None
[*]
```

```
Region: None

| Country: None
| Host: ass4-cpaslab=01.booking.com
| Ip_Address: 10.196.172.223
| Latitude: None
| Notes: None
| Region: None
| Region: None
| Country: None
| Host: ass4-cpaslab=02.booking.com
| Ip_Address: 10.196.172.3
| Latitude: None
| Longitude: None
| Notes: None
| Notes: None
| Notes: None
| Notes: None
| Ip_Address: 10.196.47.33
| Latitude: None
| Notes: None
| Region: None
| Notes: None
| Region: None
| Ip_Address: 10.196.47.33
| Latitude: None
| Longitude: None
| Notes: None
| Region: None
| Notes: None
| Region: None
| Rost: ass4gw2egp.booking.com
| Ip_Address: 5.57.21.105
```

```
SUMMARY

[*] 337 total (337 new) hosts found.
[recon-ng][bb1][hackertarget] >
```

337 subdomains found.

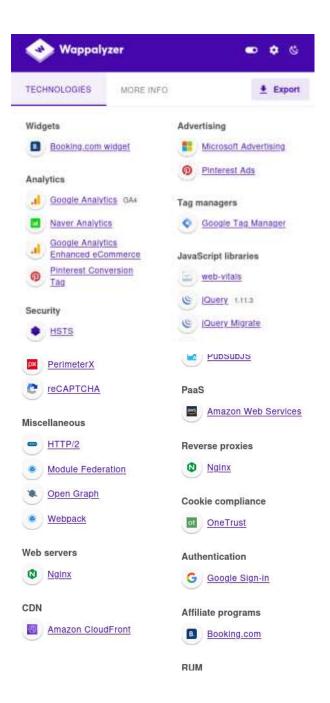
Wafw00f scan

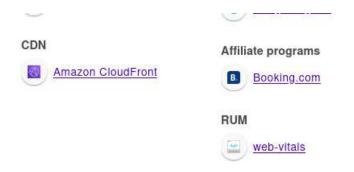
Used to identify the type of WAF that is used to protect the web application.

[&]quot;CloudFront" is the firewall WAF used.

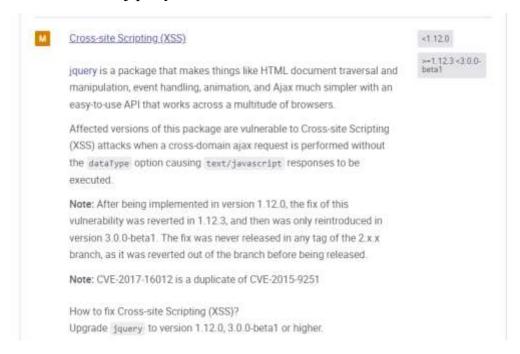
Wapplyzer

The Wapplyzer is used to identify the technologies used in the web application.





The version of jquery file is vulnerable.



Update to jquery version 1.12.0, 3.0.0-beta1 or higher to mitigate the risk.

Dotdotpwn

Dotdotpwn is a directory traversal checker.

```
ranstating (Dack) stasiles in the fiterial
[+] Adapting the filenames according to the OS type detected (unix)
[+] Including Special sufixes
[+] Traversal Engine DONE! - Total traversal tests created: 11028
           — TESTING RESULTS ———
[+] Ready to launch 3.33 traversals per second
[+] Press Enter to start the testing (You can stop it pressing Ctrl + C)
[*] HTTP Status: 400 | Testing Path: http://booking.com:80/../etc/passwd
[*] HTTP Status: 400 | Testing Path: http://booking.com:80/../etc/issue
[*] HTTP Status: 400
                        Testing Path: http://booking.com:80/../../etc/passwd
[*] HTTP Status: 400
                        Testing Path: http://booking.com:80/../../etc/issue
                        Testing Path: http://booking.com:80/../../etc/passwd
[*] HTTP Status: 400
                        Testing Path: http://booking.com:80/../../etc/issue
[*] HTTP Status: 400
                      | Testing Path: http://booking.com:80/../../../etc/passwd
    HTTP Status: 400
```

```
[*] HTTP Status: 403 | Testing Path: http://booking.com:80/..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%80%80%af..%01%f8%00%af..%01%f8%00%af..%01%f8%00%af..%01%f8%00%af..%01%f8%00%af..%01%f8%00%0
```

The scan results returned status codes within the range 400 (400-499). It shows a client error.

Some vulnerable paths were found.

Sqlmap

With the use of this scan, we can identify whether a sql injection can be done or not.

```
(1000-10) [MF0] testing 'Oracle AAO time-board blind'
it is recommended to perform only basic tailon tests if there is not at least one other (potential) technique found. Do you want to reduce the number of requests? [Y/n]

y
[100-10] [MF07] [MF07] testing 'General UNION query (NULL) = 1 to 10 columns

[1015-00] [MF07] [MF
```

There is no injection vulnerability in the above web application.