

Sri Lanka Institute of Information Technology

IE2062 - Web Security

Final Assignment

Bug Bounty Report 05

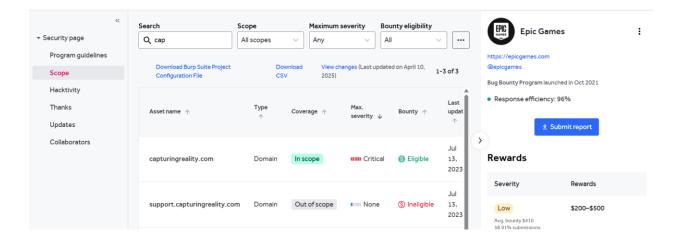
Name: Peiris W.S.S.N

Registration Number: IT23227286

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1. Introduction



Website: https://www.capturingreality.com/

Listed by: Epic Games

2. Reconnaissance

• Subdomain enumeration using Amass

• Firewall Detection

• Nmap Scan

```
-(kali®Sugreewa)-[/mnt/c/Users/hp-pc]
$ nmap capturingreality.com
Starting Nmap 7.95 ( https://nmap.org ) at 2025-04-26 15:53 +0530
Nmap scan report for capturingreality.com (37.9.168.134)
Host is up (0.21s latency).
rDNS record for 37.9.168.134: capturingreality1.server.wbsprt.com
Not shown: 993 filtered tcp ports (no-response)
PORT
         STATE
                SERVICE
25/tcp
        open
                smtp
53/tcp
        closed domain
80/tcp
        open
                http
113/tcp closed ident
443/tcp open
               https
2000/tcp open cisco-sccp
5060/tcp open
               sip
Nmap done: 1 IP address (1 host up) scanned in 18.60 seconds
```

3. Vulnerability

• Missing Anti-clickjacking Header

```
Missing Anti-clickjacking Header
URL:
               https://www.capturingreality.com/
Risk
               Medium
Confidence:
               Medium
Parameter:
               x-frame-options
Attack:
Evidence:
CWE ID:
               1021
WASC ID:
               15
Source:
               Passive (10020 - Anti-clickjacking Header)
Alert Reference: 10020-1
```

4. Vulnerability description

The response does not protect against 'ClickJacking' attacks. It should include either Content-Security-Policy with 'frame-ancestors' directive or X-Frame-Options.

5. Affected Components

- **Component:** HTTP Response Headers
- Missing Headers:
 - o X-Frame-Options
 - o Content-Security-Policy with frame-ancestors directive
- Affected Pages: Any endpoint returning HTML content without the above headers
 - o https://www.capturingreality.com/About-Us
 - o https://www.capturingreality.com/Archinfo-RealityCapture-Architecture

6. Impact Assessment

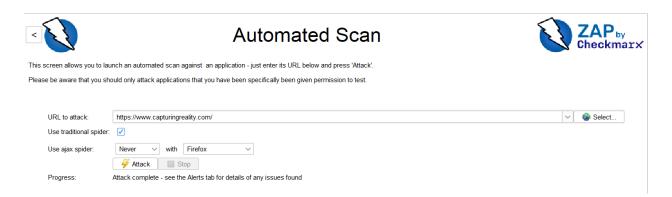
Risk Level: Medium

Potential Impacts:

- UI Redressing (Clickjacking)
- Fraudulent user actions (e.g., clicking "Transfer", "Delete", "Submit")
- Loss of user trust and security reputation
- May enable further social engineering or phishing attacks

7. Steps to reproduce

• Run a scan using OWASP ZAP or inspect HTTP responses using browser DevTools.



- Navigate to a page suspected to be vulnerable.
- Check the response headers.
- Confirm that neither:
 - X-Frame-Options: DENY/SAMEORIGIN
 - nor Content-Security-Policy: frame-ancestors 'none' is present.

8. Proof of concept

GET https://www.capturingreality.com/Archinfo-RealityCapture-Architecture HTTP/1.1

host: www.capturingreality.com

user-agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/131.0.0.0 Safari/537.36

pragma: no-cache

cache-control: no-cache

referer: https://www.capturingreality.com/Industry-UseCases

Cookie: PHPSESSID=9v4pq1udo9onp38a3h1pb9pgo2

HTTP/1.1 200 OK

Date: Thu, 24 Apr 2025 17:46:02 GMT

Server: Apache

Access-Control-Allow-Origin: https://www.capturingreality.com:443

Vary: Origin, Accept-Encoding

Expires: Thu, 19 Nov 1981 08:52:00 GMT

Cache-Control: no-store, no-cache, must-revalidate

Pragma: no-cache

Content-Type: text/html; charset=UTF-8

content-length: 23372

9. Proposed mitigation or fix

Modern Web browsers support the Content-Security-Policy and X-Frame-Options HTTP headers. Ensure one of them is set on all web pages returned by your site/app.

If you expect the page to be framed only by pages on your server (e.g. it's part of a FRAMESET) then you'll want to use SAMEORIGIN, otherwise if you never expect the page to be framed, you should use DENY. Alternatively consider implementing Content Security Policy's "frame-ancestors" directive.