



Sri Lanka Institute of Information Technology

IE2062 - Web Security

Final Assignment

Bug Bounty Report 06

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Contents

1. Introduction.....	3
2. Reconnaissance	4
3. Vulnerability	5
4. Vulnerability description.....	5
5. Affected Components	6
6. Impact Assessment.....	6
7. Steps to reproduce.....	7
8. Proof of concept.....	7
9. Proposed mitigation or fix	7

1. Introduction

Search

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Scope

All scopes

Maximum severity

Any

Bounty eligibility

All

...

[Download Burp Suite Project Configuration File](#)


[Download CSV](#)

[View changes](#) (Last updated on April 10, 2025)

1-2 of 2

Asset name ↑	Type ↑	Coverage ↑	Max. severity ↓	Bounty ↑	Last update ↑	Resolved Reports ⓘ
ballistic.com.br	Domain	In scope	Low	Eligible	May 28, 2024	0 (0%)
ballistic.com	Domain	In scope	Low	Eligible	May 28, 2024	0 (0%)

>

Epic Games

<https://epicgames.com>

[@epicgames](#)

Bug Bounty Program launched in Oct 2021

● Response efficiency: 96%

[Submit report](#)

Rewards

Severity	Rewards
----------	---------

Website: <https://ballistic.com.br/>

Listed by: Epic Games

2. Reconnaissance

- Subdomain enumeration using Amass

```
(kali@Sugreewa)-[/mnt/c/Users/hp-pc]
$ amass enum -d ballistic.com.br
ballistic.com.br (FQDN) --> ns_record --> ns-390.awsdns-48.com (FQDN)
ballistic.com.br (FQDN) --> ns_record --> ns-1938.awsdns-50.co.uk (FQDN)
ballistic.com.br (FQDN) --> ns_record --> ns-1483.awsdns-57.org (FQDN)
ballistic.com.br (FQDN) --> ns_record --> ns-618.awsdns-13.net (FQDN)

The enumeration has finished
```

- Firewall Detection

```
(kali@Sugreewa)-[/mnt/c/Users/hp-pc]
$ wafw00f ballistic.com.br

      ?
      ??
(_____)';   ???
/  _  /
\\   \\

      ( "   (   )   )   '   '   "   '
      .; )   ' ( ( " )   ; (   ( ( ; ) " ) "
      _ " . , , _ ' _ , ) _ ( . , ( . ) _ _ ' ) _ ' ) ( . _ . ( ' )
      |____|____|____|____|____|____|____|____|____|

~ WAFW00F : v2.3.1 ~
~ Sniffing Web Application Firewalls since 2014 ~

[*] Checking https://ballistic.com.br
[+] Generic Detection results:
[-] No WAF detected by the generic detection
[~] Number of requests: 7
```

- **Nmap Scan**


```
(kali@Sugreewa)-[/mnt/c/Users/hp-pc]
$ nmap ballistic.com.br
Starting Nmap 7.95 ( https://nmap.org ) at 2025-04-26 15:32 +0530
Nmap scan report for ballistic.com.br (75.2.60.5)
Host is up (0.051s latency).
rDNS record for 75.2.60.5: acd89244c803f7181.awsglobalaccelerator.com
Not shown: 994 filtered tcp ports (no-response)
PORT      STATE SERVICE
25/tcp    open  smtp
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 14.07 seconds
```

3. Vulnerability

- **CSP: Failure to Define Directive with No Fallback**

CSP: Failure to Define Directive with No Fallback

URL: <https://ballistic.com.br/sitemap.xml>
Risk:  Medium
Confidence: High
Parameter: Content-Security-Policy
Attack:
Evidence: default-src 'self'; script-src 'self'; img-src 'self' data:; style-src 'self' 'unsafe-inline'; media-src 'self' https://aquiris.com.br ;
CWE ID: 693
WASC ID: 15
Source: Passive (10055 - CSP)
Alert Reference: 10055-13

4. Vulnerability description

The Content Security Policy fails to define one of the directives that has no fallback.

Missing/excluding them is the same as allowing anything.

5. Affected Components

- **Component:** HTTP Response Headers → Content-Security-Policy
- **Current CSP Policy:**
 - default-src 'self'; script-src 'self'; img-src 'self' data:; style-src 'self' 'unsafe-inline'; media-src 'self' <https://aquiris.com.br>;
- **Missing Directives:**
 - **frame-ancestors**
 - **form-action**
- **Affected Pages:** All pages serving this CSP header

6. Impact Assessment

- **Risk Level:** Medium
- **Potential Impacts:**
 - Clickjacking (no frame-ancestors)
 - Phishing or data theft via form submission hijacking (no form-action)
 - Weakens the defense provided by CSP, making it ineffective against several types of UI-based or injection attacks

7. Steps to reproduce

- Open the affected site in a browser or intercept its HTTP response using DevTools or a proxy tool like ZAP/Burp.
- Check the Content-Security-Policy header.
- Look for the absence of:
 - frame-ancestors
 - form-action
- Verify that no fallback to default-src occurs for these directives.

8. Proof of concept

```
GET https://ballistic.com.br/sitemap.xml HTTP/1.1
host: ballistic.com.br
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
```

```
HTTP/1.1 404 Not Found
Age: 0
Cache-Control: no-cache
Cache-Status: "Netlify Durable"; fwd=bypass
Cache-Status: "Netlify Edge"; fwd=miss
Content-Security-Policy: default-src 'self'; script-src 'self'; img-src 'self' data; style-src 'self' 'unsafe-inline'; media-src 'self' https://aquiris.com.br ;
Content-Type: text/html; charset=utf-8
Date: Fri, 25 Apr 2025 03:29:53 GMT
Etag: "dj594ilkbs2t4"
Netlify-Vary: cookie=__next_preview_data:presence|__prerender_bypass:presence,query
Referrer-Policy: strict-origin-when-cross-origin
Server: Netlify
Strict-Transport-Security: max-age=31536000
Vary: Accept-Encoding
X-Content-Type-Options: nosniff
X-Frame-Options: DENY
X-Nf-Render-Mode: SSR
X-Nf-Request-Id: 01JSNFX7A6HMHFK35MQW4VCRX7
X-Powered-By: Next.js
X-Xss-Protection: 1; mode=block
content-length: 3640
```

9. Proposed mitigation or fix

Ensure that your web server, application server, load balancer, etc. is properly configured to set the Content-Security-Policy header.