



Web Security – IE2062

Topic: Bug Bounty Report 6

Y2S2.WE.CS

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How I started?

1. Once I search from hacker one, I saw a coda.io bug bounty program.

 Coda 


Campaign


Bug Bounty Program


Triaged by HackerOne, Retesting, Collaboration




Wildcard 11 **Domain** 3

AndroidP... 1 **OtherAs...** 1 **+1**

 **Gold Standard**

Ends in 5 days 

Up to \$9k (*3 more) 

 74  48  83%

[See details](#)

2. Then, I discovered allowed domains scope, so that I choose <https://coda.io>.

h

Security page

Program guid...

Scope

Hacktivity

Thanks

Updates

Collaborators

Safe harbor

Search

Scope

Maximum severity

Bounty eligibility

1-18 of 18

Asset name	Type	Coverage	Max. severity	Bounty	Last update	Resolved Reports
LINK: https://apple.com/us/app/coda/i133796 8110	iOS: App Store	In scope	Critical	Eligible	Feb 19, 2025	0 (0%)
Coda's native apps make heavy use of the same endpoints and UI that's used by the mobile website. That being said, there are some differences and we invite security reports pertaining to our iOS and Android apps. Please be sure to follow the same guidelines for testing up an account in our mobile apps as on https://coda.io .						
https://coda.io/signup/email Please use your HackerOne designated email when signing up! (@starhackerone.com), and furthermore please avoid any automated testing or brute-forcing as that may lead to your accounts or IP getting locked out and also create issues in our end.	URL	In scope	Critical	Eligible	Feb 19, 2025	2 (1%)
codacontent.io	Domain	In scope	Critical	Eligible	Feb 19, 2025	1 (1%)
https://coda.io/	Wildcard	In scope	Critical	Eligible	Feb 19, 2025	50 (72%)

Coda

<https://coda.io/>

[@coda_hq](#)

The doc that brings words, data, & teams together.

Bug Bounty Program launched in Oct 2019

Response efficiency: 83%

Submit report

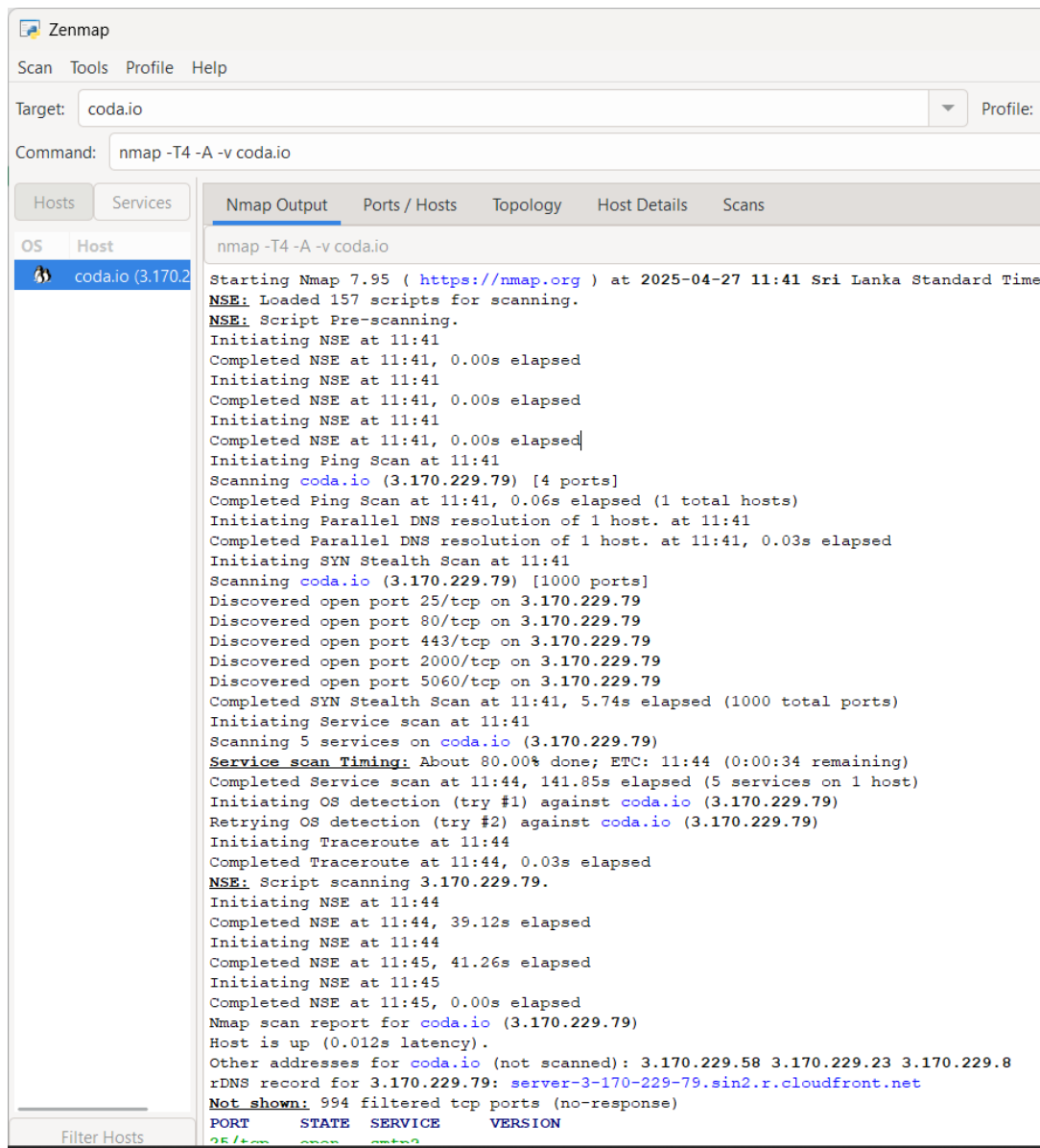
Rewards

Severity	Rewards
Low	\$150
Avg. bounty \$150 36.76% submissions	
Medium	\$150-\$500
Avg. bounty \$571 57.35% submissions	
High	\$500-\$1,000
Avg. bounty n/a 5.88% submissions	
Critical	\$1,000-\$5,000
Avg. bounty n/a 75% submissions	

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3. I use several methods/tools to do penetration testing.
4. First, I used Nmap. It helps me to find what are the open ports, Identify the web technologies such as web servers.



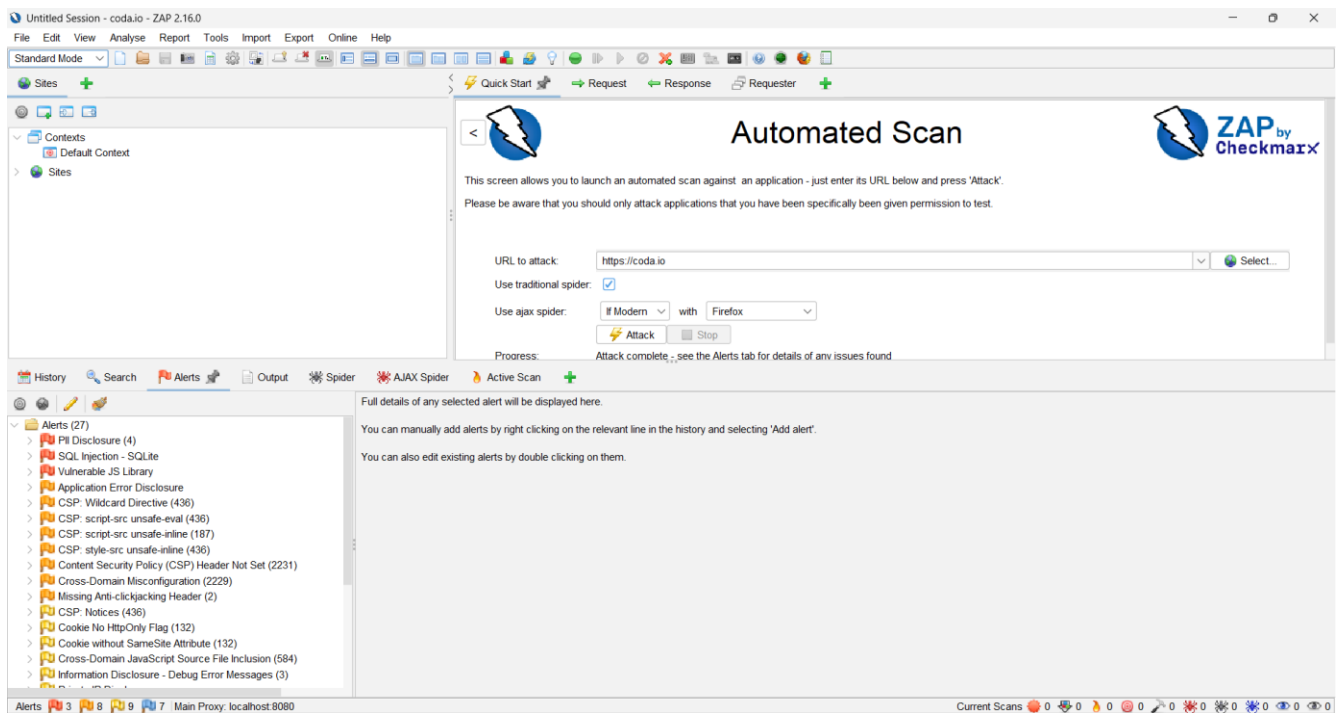
5. Secondly, I used Subfider tool to find hidden or forgotten web asserts. Because hidden web assert can have poor security, unpatched vulnerabilities.

```
SD7 [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help
1 2 3 4 5
File Actions Edit View Help
root@kali2025: ~ x root@kali2025: ~ x root@kali2025: ~ x
[DBG] Response for failed request against https://api
{"type":"daily_request_limit_exceeded","title":"Daily
[WRN] Could not run source netlas: unexpected status
[hackertarget] adhoc.coda.io
[hackertarget] blog.coda.io
[hackertarget] build-links.coda.io
[hackertarget] bz1276.build.coda.io
[hackertarget] cdn.coda.io
[hackertarget] custom.coda.io
[hackertarget] dev.coda.io
[hackertarget] head.coda.io
[hackertarget] custom.head.coda.io
[hackertarget] help.coda.io
[hackertarget] staging.coda.io
[hackertarget] custom.staging.coda.io
[hackertarget] statsig.coda.io
[hackertarget] www.coda.io
[alienvault] help.coda.io
[alienvault] cdn.coda.io
[alienvault] www.coda.io
[alienvault] preflight.admin.adhoc.coda.io
[alienvault] origin.coda.io
[alienvault] build-links.coda.io
[alienvault] staging.coda.io
[alienvault] adhoc.coda.io
[alienvault] community.coda.io
[alienvault] statsig.coda.io
[alienvault] marketing-links.coda.io
[alienvault] custom.coda.io
[alienvault] email.coda.io
[alienvault] maze.coda.io
[alienvault] loggingservice.adhoc.coda.io
[alienvault] standalonefetcher.adhoc.coda.io
[alienvault] hello.coda.io
[alienvault] cert-service.adhoc.coda.io
[alienvault] head.coda.io
[alienvault] calc.adhoc.coda.io
[alienvault] dev-infra.coda.io
[alienvault] community.staging.coda.io
[alienvault] mixmax.coda.io
[alienvault] status.coda.io
[alienvault] packs-auth.adhoc.coda.io
[alienvault] admin.adhoc.coda.io
[alienvault] docservice.adhoc.coda.io
[alienvault] auth.adhoc.coda.io
[alienvault] fetcher.adhoc.coda.io
[alienvault] infra.coda.io
[alienvault] data.coda.io
[alienvault] www.blog.coda.io
[alienvault] models.data.coda.io
```

6. Thirdly, I used Wafwoof tool to find website is protected by a WAF (web application firewall). Because if WAF is active, so pen tester do their test without blocked, and they can do their testing with bypass WAF.

```
~ Sniffing Web Application Firewalls since 2014 ~
[*] Checking https://coda.io/
[+] The site https://coda.io/ is behind Cloudfront (Amazon) WAF.
[~] Number of requests: 2
(root@kali2025)-[~]
#
```

7.Finally, I use OWASP zap to automatically find the vulnerabilities.



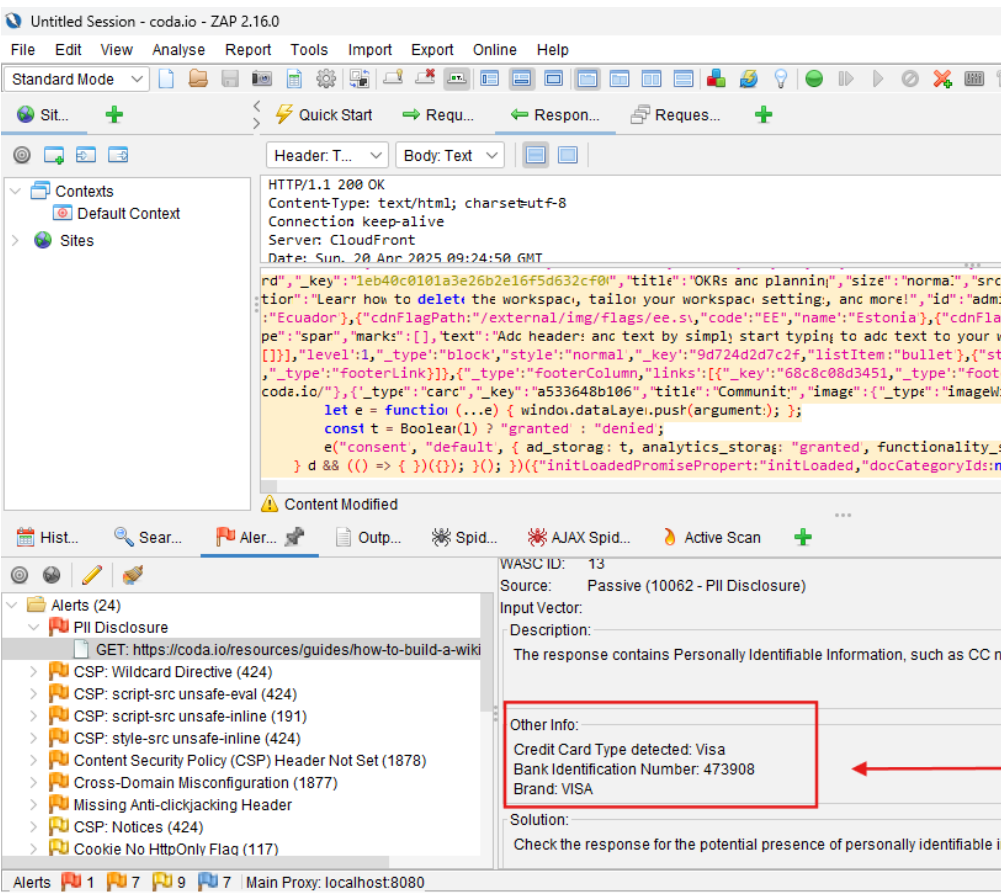
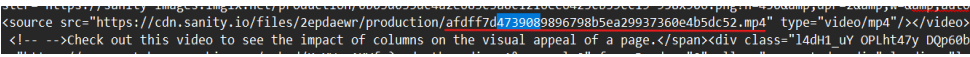
With getting these tool's support, I found below details about vulnerability.

1) Introduction

1.1 Domain	https://coda.io https://coda.io/resources/guides/how-to-build-a-wiki
1.2 Severity	<ul style="list-style-type: none">High

2) Vulnerability

2.1 Vulnerability title	PII Disclosure CWE-359 OWASP_2021_A04
2.2 Vulnerability description	The response contains Personally Identifiable Information, such as CC number, SSN and similar sensitive data.
2.3 Affected components	vulnerability affects the API endpoint or web page that returns responses with personal user data. Like full or half credit card number. Component Type: - Server-side response handling Vulnerable Endpoint: - https://coda.io/resources/guides/how-to-build-a-wiki This found from OWASP ZAP
2.4 Impact assessment	IF it is PII disclosure is severe privacy risk. In our case this is the examples: Credit Card Type detected: Visa Bank Identification Number: 473908 Brand: VISA Category: BUSINESS Issuer: BAXTER C.U.

	
<p>2.5 Steps to reproduce</p>	<p>Open the OWASP ZAP and do the scan. Watch for Zap's alert called PII disclosure. Find the respond holding the credit card number. Copy the entire respond to note pad, then search this 473908 (partial or full credit card number)</p> 
<p>2.6 Proof of concept</p>	<p>The response includes a video URL with the credit card number as part of the filename</p> <p>https://cdn.sanity.io/files/2epdaewr/production/afdf7d4739089896798b5ea29937360e4b5dc52.mp4</p>

prove this is VISA credit card:

The first 6 to 8 digits of your **credit card number** represent the issuer. The next set of numbers represents your account number. Most **credit card numbers** are 16 digits on the front of your card, with a 3-digit CVV on the back.



*All VISA card start with 4
and with this tool, we can identify other details - <https://bincheck.io/>



This Number: **473908** Is A Valid BIN Number VISA Iss CREDIT UNION In UNITED STATES

Details for the BIN/IIN: 473908		Check New BIN
BIN/IIN	473908	
Card Brand	VISA	
Card Type	DEBIT	
Card Level	CLASSIC	
Issuer Name / Bank	BAXTER CREDIT UNION	
Issuer's / Bank's Website	-----	
Issuer / Bank Phone	+18003887000	
ISO Country Name	UNITED STATES	
Country Flag		
ISO Country Code A2	US	
ISO Country Code A3	USA	
ISO Country Currency	USD	

So, if attacker know this card details, how he attacks?

1. Carding (online Fraud) – Most online platform uses card number, Expiry date and CVV, so this can be brute force by the attacker. To do that they can use Luhn algorithm to support.

*How ever this type of weakness (expose credit card detail) can violate Data protection Laws such as, GDPR, CCPA

2.7 Proposed mitigation or fix	Check the response for the potential presence of personally identifiable information (PII), ensure nothing sensitive is leaked by the application.