## CYB101 Project 7

( Instructions Page)

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# Reflection (Required)

Reflection Question #1: If I had to explain "what is a CVE?" in 3 emojis, they would be... (Feel free to put other comments about your experience this unit here, too!)



**Reflection Question #2:** Have you ever practiced Open Source Intelligence in your own life?

I have now.

♠ Shoutouts: Share appreciation for anyone who helped you out with this project or made your day a little better!

## Required Challenge Screenshots (Required)

Use the answer boxes below to fill in your results from completing this project.

## Part 1: Shodan Lookups on 5 Hosts

#### Host #1

Website / URL: https://www.shodan.io/h IP Address: 198.58.127.135

ost/198.58.127.135

```
cpes:
               "cpe:/o:canonical:ubuntu_linux"
               "cpe:/a:openbsd:openssh:8.2p1"
               "cpe:/a:postgresql:postgresql:14.0"
▼ hostnames:
               "db14.codepath.com"
               "198.58.127.135"
 ip:
v ports:
    0:
               5432
tags:
               "cloud"
               "database"
               "self-signed"
 vulns:
```

#### How many CVEs Shodan find? Which ones?

None

## Host #2

Website / URL: https://www.shodan.io/h IP Address: 13.239.215.155

ost/13.239.215.155

```
▼ cpes:
               "cpe:/o:microsoft:windows"
    0:
               "cpe:/a:microsoft:internet_information_services:10.0"
 hostnames:
               "mcp-fbhk.fujifilm.com"
    0:
               "ec2-13-239-215-155.ap-southeast-2.compute.amazonaws.com"
               "13.239.215.155"
 ip:
ports:
               443
    0:
 tags:
               "cloud"
    0:
               []
  vulns:
```

## How many CVEs Shodan find? Which ones?

None

## Host #3

Website / URL: https://www.shodan.io/h IP Address:

18.154.253.22

ost/18.154.253.22

Screenshot #1: The output of the appropriate curl command to internetdb.shodan.io

```
▼ cpes:
               "cpe:/a:amazon:amazon_cloudfront"
 hostnames:
               "book.ielts-uat.idp.com"
               "bx.uat.ielts.com"
               "server-18-154-253-22.dfw56.r.cloudfront.net"
               "18.154.253.22"
 ip:
ports:
    0:
               80
               443
▼ tags:
               "cloud"
               "cdn"
 vulns:
```

#### How many CVEs Shodan find? Which ones?

None

#### Host #4

Website / URL: https://www.shodan.io/h

**IP Address:** 

13.226.204.114

ost/13.226.204.114

```
cpes:
               "cpe:/a:cloudflare:cloudflare"
               "cpe:/a:amazon:amazon_cloudfront"
               "cpe:/a:jquery:jquery_ui:1.10.4"
               "cpe:/a:getbootstrap:bootstrap:3.3.1"
               "cpe:/a:jquery:jquery:1.10.1"
w hostnames:
    0:
               "thewoodenbear.rainadmin.com"
               "server-13-226-204-114.dfw55.r.cloudfront.net"
               "a4eefffa-9f6b-4e9e-934c-aaf67a156a2d.rain-pods.com"
               "thewoodenbear.com"
               "www.thewoodenbear.com"
               "13.226.204.114"
 ip:
▼ ports:
    0:
               80
               443

▼ tags:
               "cloud"
    0:
               "cdn"
vulns:
               "CVE-2016-10735"
    0:
               "CVE-2015-9251"
               "CVE-2019-11358"
               "CVE-2018-20676"
               "CVE-2018-20677"
               "CVE-2020-11023"
               "CVE-2018-14042"
               "CVE-2020-11022"
               "CVE-2019-8331"
               "CVE-2024-6484"
               "CVE-2018-14040"
    10:
```

## How many CVEs Shodan find? Which ones?

0	"CVE-2016-10735"	
1	"CVE-2015-9251"	
2	"CVE-2019-11358"	
2	CVE-2019-11336	

3	"CVE-2018-20676"
4	"CVE-2018-20677"
5	"CVE-2020-11023"
6	"CVE-2018-14042"
7	"CVE-2020-11022"
8	"CVE-2019-8331"
9	"CVE-2024-6484"
10	"CVE-2018-14040"

# Host #5

Website / URL: https://www.shodan.io/h IP Address: 3.125.1.28

ost/3.125.1.28

```
cpes:
               "cpe:/a:mysql:mysql"
    0:
                "cpe:/a:wpforms:wpforms:1.8.8.3::~~pro~wordpress~~"
                "cpe:/a:php:php:7.4.15"
               "cpe:/a:getbootstrap:bootstrap"
               "cpe:/a:apache:http_server"
               "cpe:/a:openbsd:openssh:7.9p1"
                "cpe:/a:lightbox_photo_gallery_project:lightbox_photo_gallery"
                "cpe:/o:debian:debian_linux"
               "cpe:/o:linux:linux_kernel"
               "cpe:/a:php:php"
    10:
               "cpe:/a:wordpress:wordpress"
               "cpe:/a:jquery:jquery"
    11:
w hostnames:
               "ec2-3-125-1-28.eu-central-1.compute.amazonaws.com"
               "consulente110.logical.it"
               "3.125.1.28"
 ip:
ports:
    0:
               22
               80
               443

▼ tags:
               "eol-product"
    0:
               "cloud"
vulns:
               "CVE-2022-31628"
               "CVE-2022-37454"
               "CVE-2022-31629"
               "CVE-2017-9120"
               "CVE-2022-31625"
               "CVE-2021-21706"
               "CVE-2021-21703"
               "CVE-2017-8923"
               "CVE-2017-9118"
               "CVE-2022-31630"
               "CVE-2024-5458"
    10:
               "CVE-2022-31626"
               "CVE-2022-4900"
    12:
                "CVE-2024-25117"
    14:
                "CVE-2021-21704"
               "CVE-2013-2220"
               "CVE-2021-21708"
    16:
    17:
               "CVE-2007-3205"
                "CVE-2021-21705"
                "CVE-2021-21707"
```

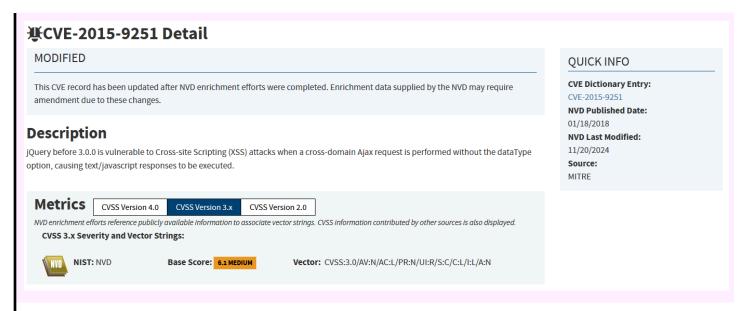
How many C	VEs Shodan find? Which one
0	"CVE-2022-31628"
1	"CVE-2022-37454"
2	"CVE-2022-31629"
3	"CVE-2017-9120"
4	"CVE-2022-31625"
5	"CVE-2021-21706"
6	"CVE-2021-21703"
7	"CVE-2017-8923"
8	"CVE-2017-9118"
9	"CVE-2022-31630"
10	"CVE-2024-5458"
11	"CVE-2022-31626"
12	"CVE-2022-4900"

13	"CVE-2024-25117"
14	"CVE-2021-21704"
15	"CVE-2013-2220"
16	"CVE-2021-21708"
17	"CVE-2007-3205"
18	"CVE-2021-21705"
19	"CVE-2021-21707"

# Part 2: Looking up CVEs

Use the answer boxes below to fill in your results when looking up CVEs. For the **Risk Level** field, put either a number rating (e.g., 3/10) or an emoji (e.g., %)!

# CVE #1 CVE: CVE-2015-9251 Host: #4 Risk Level: 5 Screenshot: The results of looking up the CVE in the National Vulnerability Database.

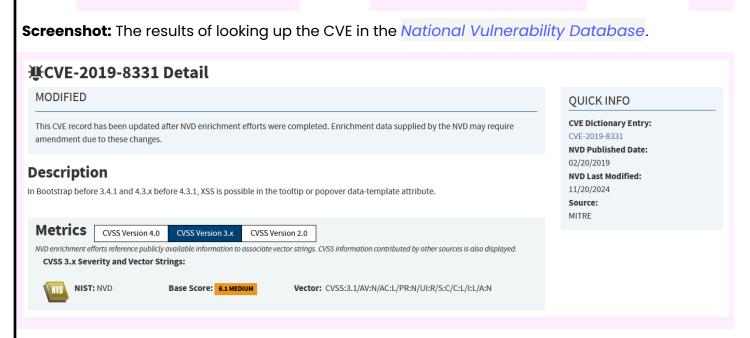


Analysis: In a few words, what does this CVE mean?

Vulnerable to Cross-site Scripting (XSS) attacks when a cross-domain Ajax request is performed without the dataType option

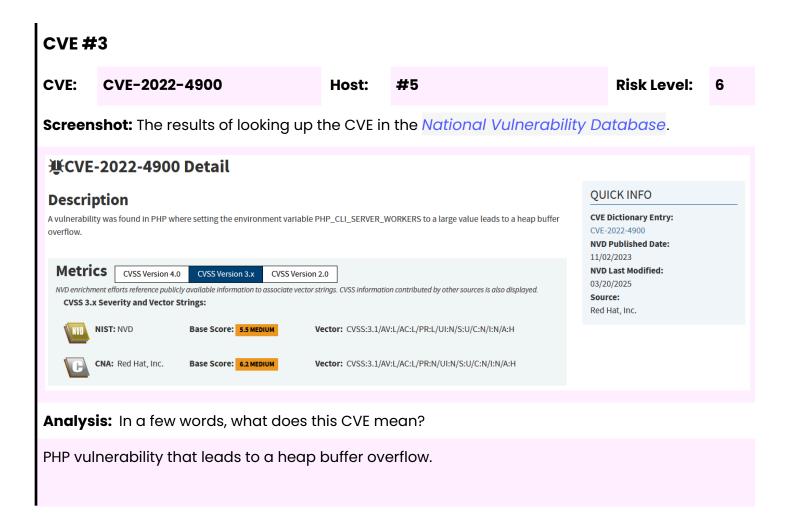
#### **CVE #2**

CVE: CVE-2019-8331 Host: #4 Risk Level: 5



Analysis: In a few words, what does this CVE mean?

XSS is possible in the tooltip or popover data-template attribute



# Stretch Challenge (Optional)

Stretch Challenge #1: A screenshot showing your script (and its' output) for automatically gathering Shodan information on a given IP address

[Insert Screenshot Here]

Notes (Optional):

**Stretch Challenge #2:** A screenshot showing your script (and its' output) for **looking up a given CVE using CIRCL** 

[Insert Screenshot Here]

Notes (Optional):

# **Submission Checklist**

☐ Challenge #2

Check off each of the features you have completed. You will only be graded on the features you check off.

Reflection
☑ Reflection Question #1 answered above
☑ Reflection Question #2 answered above
☐ Shoutouts Completed (Optional)
Required Challenge
✓ Host #1
☑ Host #2
☑ Host #3
☑ Host #4
☑ Host #5
✓ <del>CVE #1</del>
✓ <del>CVE #2</del>
✓ CVE #3
Stretch Challenge
☐ Challenge #1