

Mark Wagner  
SDEV300-7893 Lab5  
Prof. Cooper  
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Mr. Supervisor of IT Security,

For this security audit, I disassembled the basic login form and its subsequent pages that were used in the last week's lab.

One thing I realized had to be done was removal of sessions between tests. I could not modify break- captured get or post requests while sessions kept the variables held. I was able to subvert requests to the page and modify the request, hence modifying the response in turn.

The best way to stop hackers from intercepting packets of responses sent to websites is to use SSL encryption and ensure that every page is an https page.

Alert: Web browser XSS protection not enabled, X Content...

Please note that before the tests there were 5 alerts of low to medium severity. One was a reflected XSS warning which was fixed by altering the response header with this:

[Header set X-XSS-Protection "1; mode=block"](#)

Alert: Incomplete or no-cache control on http header:

The next problem in order of Severity was that content could be sniffed by browsers that enable MIME Sniffing (sniffing packet data to determine content type in-lieu of metadata specifying type (jpg, pdf, etc). That was fixed by adding this to the headers:

[Header set X-Content-Type-Options nosniff](#)

Alert: Cookie no httpOnly header flag

OWASP A3 Threat – Release of sensitive information:

Finally, this was not part of my initial task for our company website but I thought it would help mitigate a low-level, low-priority threat which allowed third party javascript running on browsers to steal cookie information from the http response and potentially transmit it to a session jacker. This only allows the cookie to be given to http requests and not JS. It is mostly important for IE and Chrome users.

[Header set Set-Cookie HttpOnly,Secure](#)

With these vulnerabilities mitigated, all that remains are two false alerts indicating a sitemap present (for seo purposes) and a robot.txt thing that doesn't matter for security purposes.

As far as basic scanning and scripting techniques, we are more secure as a result of these changes.

We are safe for now!

The following are screenshots of what occurred in chronological order with comment boxes detailing them inside.

Attached to this submission are the httpd.conf file, an html error report, and an access.log file.

#### Citation:

S. O., & Kumar, C. (2018, February 06). Secure cookie with HttpOnly and Secure flag in Apache. Retrieved from <https://geekflare.com/httponly-secure-cookie-apache/>

The screenshot shows the OWASP ZAP 2.7.0 interface. The left sidebar displays a tree structure of contexts and sites, including 'Default Context' and 'Sites' with various URLs like 'http://customelisa.com'. The main pane shows a 'Request' tab with a detailed header and body. The header includes fields such as 'GET http://localhost/labfour/login.html HTTP/1.1', 'User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:66.0) Gecko/20100101 Firefox/6', and 'Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8'. The body contains a JSON object. Below this is a 'Response' tab. At the bottom, there is a table of captured requests with columns for Id, Req. Timestamp, Method, URL, Code, Reason, RTT, Size Resp. Body, Highest Alert, Note, and Tags. The table lists several requests, with the last one, 'POST http://localhost/labfour/projects.php', highlighted in blue.

| ID | Req. Timestamp     | Method | URL  | Code | Reason | RTT     | Size Resp. Body | Highest Alert | Note | Tags |
|----|--------------------|--------|--|------|--------|---------|-----------------|---------------|------|------|
| 71 | 4/21/19 8:13:35 PM | GET    | https://fonts.googleapis.com/css?family=Op...  | 200  | OK     | 238 ... | 9,556 bytes     | Low           |      | Comi |
| 79 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 133 ... | 15,056 bytes    |               |      |      |
| 84 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 84 ...  | 14,380 bytes    |               |      |      |
| 85 | 4/21/19 8:13:37 PM | GET    | https://customelisa.com/fonts/fontawesome-...  | 200  | OK     | 442 ... | 44,432 bytes    | Low           |      | Comi |
| 87 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 110 ... | 14,932 bytes    |               |      |      |
| 88 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 88 ...  | 14,880 bytes    |               |      |      |
| 89 | 4/21/19 8:13:37 PM | GET    | https://customelisa.com/fonts/fontawesome-...  | 200  | OK     | 492 ... | 2,176 bytes     | Low           |      |      |
| 91 | 4/21/19 8:14:52 PM | GET    | http://localhost/                              | 200  | OK     | 31 ...  | 607 bytes       | Low           |      |      |
| 93 | 4/21/19 8:15:01 PM | GET    | http://localhost/labfour/                      | 200  | OK     | 0 ms    | 408 bytes       | Medium        |      |      |
| 94 | 4/21/19 8:15:04 PM | GET    | http://localhost/labfour/login.html            | 200  | OK     | 16 ...  | 1,086 bytes     | Low           |      | Form |
| 96 | 4/21/19 8:15:24 PM | POST   | http://localhost/labfour/projects.php          | 200  | OK     | 31 ...  | 2,811 bytes     | Low           |      | Form |

The screenshot displays the OWASP ZAP 2.7.0 application interface across three separate windows. The top window shows the 'Analysing' screen with a tree view of contexts and sites, a header and body text viewer, and a detailed request/response pane. The middle window shows the 'History' screen with a table of network requests. The bottom window shows the 'Analysing' screen again, identical to the top one.

**Top Window (Analysing):**

- Sites:** Contexts (Default Context), Sites (http://customelisa.com, http://localhost, https://fonts.gstatic.com, https://fonts.googleapis.com, https://customelisa.com, https://tracking-protection.cdn.mozilla.net, https://shavar.services.mozilla.com, https://raw.githubusercontent.com, https://snippets.cdn.mozilla.net).
- Header: Text**: HTTP/1.1 200 OK  
Date: Sun, 21 Apr 2019 20:15:04 GMT  
Server: Apache  
X-Frame-Options: SAMEORIGIN  
Last-Modified: Sun, 21 Apr 2019 03:40:24 GMT  
ETag: "43e-587021cb04ca"  
Accept-Ranges: bytes  
Content-Length: 1086  
Vary: Accept-Encoding  
Keep-Alive: timeout=5, max=100
- Body: Text**: Untitled - Notepad  
File Edit Format View Help  
RESPONSE FROM Login

**Middle Window (History):**

| ID | Req. Timestamp     | Method | URL  | Code | Reason | RTT     | Size         | Resp. Body | Highest Alert       | Note | Tags |
|----|--------------------|--------|--|------|--------|---------|--------------|------------|---------------------|------|------|
| 71 | 4/21/19 8:13:35 PM | GET    | https://fonts.googleapis.com/css?family=Op...  | 200  | OK     | 238 ... | 9,556 bytes  | Low        | Comment             |      |      |
| 79 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 133 ... | 15,056 bytes |            |                     |      |      |
| 84 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 84 ...  | 14,380 bytes |            |                     |      |      |
| 85 | 4/21/19 8:13:37 PM | GET    | https://customelisa.com/fonts/fontawesome-...  | 200  | OK     | 442 ... | 44,432 bytes | Low        | Comment             |      |      |
| 87 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 110 ... | 14,932 bytes |            |                     |      |      |
| 88 | 4/21/19 8:13:37 PM | GET    | https://fonts.gstatic.com/s/opensans/v16/me... | 200  | OK     | 88 ...  | 14,880 bytes |            |                     |      |      |
| 89 | 4/21/19 8:13:37 PM | GET    | https://customelisa.com/fonts/fontawesome-...  | 200  | OK     | 492 ... | 2,176 bytes  | Low        | Comment             |      |      |
| 91 | 4/21/19 8:14:52 PM | GET    | http://localhost/                              | 200  | OK     | 31 ...  | 607 bytes    | Low        |                     |      |      |
| 93 | 4/21/19 8:15:01 PM | GET    | http://localhost/labfour/                      | 200  | OK     | 0 ms    | 408 bytes    | Medium     |                     |      |      |
| 94 | 4/21/19 8:15:04 PM | GET    | http://localhost/labfour/login.html            | 200  | OK     | 16 ...  | 1,086 bytes  | Low        | Form, Comment       |      |      |
| 96 | 4/21/19 8:15:24 PM | POST   | http://localhost/labfour/projects.php          | 200  | OK     | 31 ...  | 2,811 bytes  | Low        | Form, Hidden, Se... |      |      |

**Bottom Window (Analysing):**

- Sites:** Contexts (Default Context), Sites (http://customelisa.com, http://localhost, https://fonts.gstatic.com, https://fonts.googleapis.com, https://customelisa.com, https://tracking-protection.cdn.mozilla.net, https://shavar.services.mozilla.com, https://raw.githubusercontent.com, https://snippets.cdn.mozilla.net).
- Header: Text**: GET http://localhost/labfour/login.html HTTP/1.1  
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:66.0) Gecko/20100101 Firefox/66.0  
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8  
Accept-Language: en-US,en;q=0.5  
Referer: http://localhost/labfour/  
Connection: keep-alive  
Upgrade-Insecure-Requests: 1  
Host: localhost
- Body: Text**: Untitled - Notepad  
File Edit Format View Help  
Request To Login

Untitled Session - OWASP ZAP 2.7.0

File Edit View Analyse Report Tools Online Help

Standard Mode

Sites +

Method Header.Text Body.Text

Contexts Default Context Sites

- http://customelisa.com
- http://localhost
- https://fonts.gstatic.com
- https://fonts.googleapis.com
- https://customelisa.com
- https://tracking-protection.cdn.mozilla.net
- https://shaver.services.mozilla.com
- https://raw.githubusercontent.com
- https://snippets.cdn.mozilla.net

POST http://localhost/labfour/projects.php HTTP/1.1  
 Host: localhost  
 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:66.0) Gecko/20100101 Firefox/66.0  
 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8  
 Accept-Language: en-US,en;q=0.5  
 Referer: http://localhost/labfour/login.html  
 Content-Type: application/x-www-form-urlencoded  
 Content-Length: 76  
 Connection: keep-alive  
 Cookie: PHPSESSID=28de33enmo87ddrgmsl03asgv  
 username=mark2&emailadd=skiwheelr%40gmail.com&pwd=passer123&btnsubmit=SUBMIT

Untitled - Notepad  
 File Edit Format View Help  
**Pre-break Request**

History Search Alerts Output Break Points +

Enabled Type Condition

HTTP URL: Regex: Ignore Case: http://localhost/labfour/projects.php

Alerts 0 2 4 0 0 Current Scans 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 Hostname: EC2AMAZ-TJTSF85 Architecture: AMD64

Untitled Session - OWASP ZAP 2.7.0

File Edit View Analyse Report Tools Online Help

Standard Mode

Sites +

Header.Text Body.Text

Contexts Default Context Sites

- https://blocklists.settings.services.mozilla.com
- http://customelisa.com
- http://localhost
- https://fonts.gstatic.com
- https://fonts.googleapis.com
- https://customelisa.com
- https://tracking-protection.cdn.mozilla.net
- https://shaver.services.mozilla.com
- https://raw.githubusercontent.com
- https://snippets.cdn.mozilla.net

HTTP/1.1 200 OK  
 Date: Sun, 21 Apr 2019 20:24:58 GMT  
 Server: Apache  
 X-Frame-Options: SAMEORIGIN  
 X-Powered-By: PHP/7.1.16  
 Expires: Thu, 19 Nov 1981 08:52:00 GMT  
 Cache-Control: no-store, no-cache, must-revalidate  
 Pragma: no-cache  
 Vary: Accept-Encoding  
 Content-Length: 2811

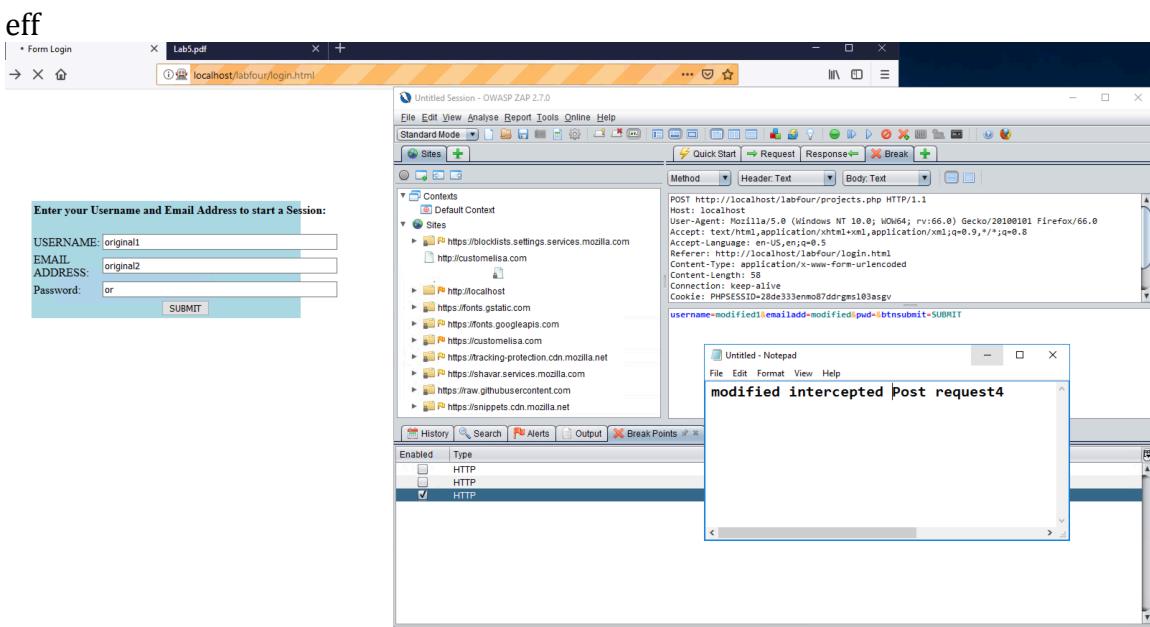
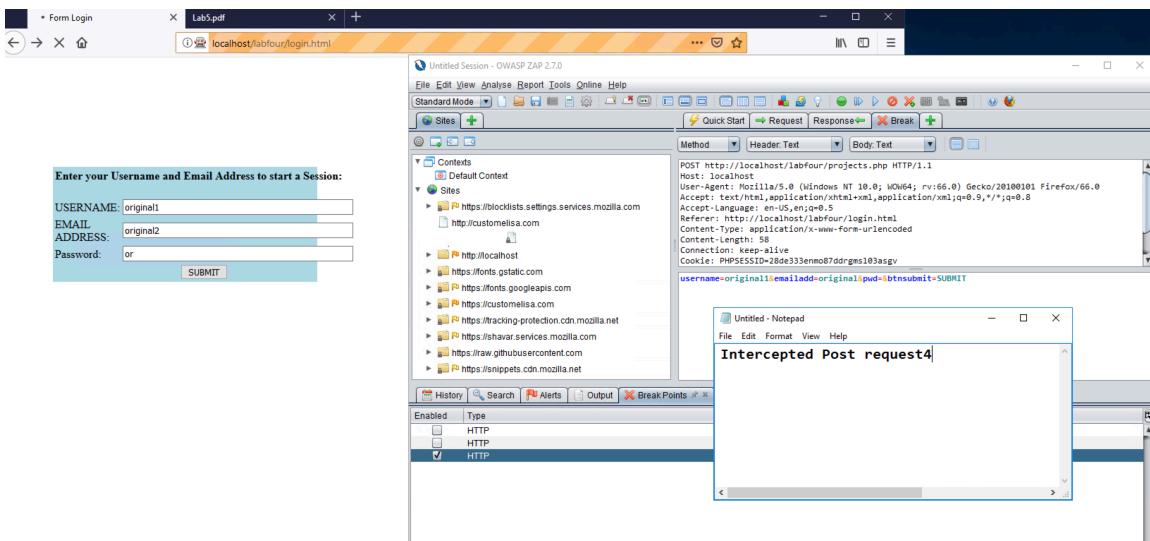
</head>  
<body>  
<div id="base" name="base2">  
<h1>Projects: First 10 Cars Stolen In 'Gone In 60 Seconds'</h1>  
  
<h2> Welcome mark</h2><table border='1'><tr>  
<td>Username </td>  
<td> Email </td>  
</tr><tr><td>mark</td><td>skiwheelr@gmail.com</td></tr></table><br/><form name='logout'>

History Search Alerts Output Break Points +

Filter: OFF Export

| Req. Timestamp | Method             | URL  | Code | Reason    |
|----------------|--------------------|--|------|-----------|
| 89             | 4/21/19 8:13:37 PM | GET https://customelisa.com/fonts/fontawesome/fe...    | 200  | OK        |
| 91             | 4/21/19 8:14:52 PM | GET http://localhost/                                  | 200  | OK        |
| 93             | 4/21/19 8:15:01 PM | GET http://localhost/labfour/                          | 200  | OK        |
| 94             | 4/21/19 8:15:04 PM | GET http://localhost/labfour/login.html                | 200  | OK        |
| 96             | 4/21/19 8:15:24 PM | POST http://localhost/labfour/projects.php             | 200  | OK        |
| 97             | 4/21/19 8:22:20 PM | POST http://localhost/labfour/projects.php             | 200  | OK        |
| 98             | 4/21/19 8:23:33 PM | GET https://push.services.mozilla.com/                 | 101  | Switching |
| 100            | 4/21/19 8:23:49 PM | GET https://blocklists.settings.services.mozilla.co... | 200  | OK        |
| 117            | 4/21/19 8:24:21 PM | POST http://localhost/labfour/projects.php             | 200  | OK        |
| 118            | 4/21/19 8:24:58 PM | POST http://localhost/labfour/projects.php             | 200  | OK        |
| 119            | 4/21/19 8:25:11 PM | POST http://localhost/labfour/projects.php             | 200  | OK        |

Untitled - Notepad  
 File Edit Format View Help  
**Not Changed because I used POST following good practices in lab 4**



f

The screenshot shows the OWASP ZAP 2.7.0 interface. A session titled 'Untitled Session - OWASP ZAP 2.7.0' is open. In the 'Sites' panel, there is a context named 'Default Context' and a site entry for 'localhost/labfour/projects.php'. The 'Request' tab displays an HTTP request for the project page. The 'Response' tab shows the page content, which includes the text 'Projects: First 10 Cars Stolen In 'Gone In 60 Seconds''. A file named 'Lab5.pdf' is attached to the session. A note in the file says 'Original saved due to session'.

f

The screenshot shows the OWASP ZAP 2.7.0 interface. A session titled 'Untitled Session - OWASP ZAP 2.7.0' is open. In the 'Sites' panel, there is a context named 'Default Context' and a site entry for 'localhost/labfour/login.html'. The 'Request' tab displays a POST request for the login page. The 'Response' tab shows the login form with fields for 'USERNAME', 'EMAIL ADDRESS', and 'Password'. The 'Enabled' column in the 'Break Points' table has checkboxes for three rows, all of which are checked.

Screenshot of a web application interface and its corresponding OWASP ZAP tool interface.

**Left Panel (Web Application):**

- Form:** "Enter your Username and Email"
 

|                                       |     |
|---------------------------------------|-----|
| USERNAME:                             | one |
| EMAIL:                                | one |
| ADDRESS:                              |     |
| Password:                             | two |
| <input type="button" value="SUBMIT"/> |     |
- Sites:**
  - https://blocklists.settings.services.mozilla.com
  - http://customelisa.com
  - http://localhost
  - https://fonts.gstatic.com
  - https://customelisa.com
  - https://tracking-protection.cdn.mozilla.net
  - https://shaver.services.mozilla.com
  - https://raw.githubusercontent.com
  - https://snippets.cdn.mozilla.net

**Right Panel (OWASP ZAP):**

- Header/Body:**

```
POST http://localhost/labfour/projects.php HTTP/1.1
Host: localhost
User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:66.0) Gecko/20100101 Firefox/66.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Referer: http://localhost/labfour/login.html
Content-Type: application/x-www-form-urlencoded
Content-Length: 59
Connection: keep-alive
Cookie: PHPSESSID=28de333emmo87ddrgms103asgv
Upgrade-Insecure-Requests: 1

username=one&emailadd=one&pwd=one&btntsubmit=SUBMIT
```
- Break Points:**

| Enabled                             | Type | Condition  |
|-------------------------------------|------|--|
| <input checked="" type="checkbox"/> | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
| <input type="checkbox"/>            | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
| <input type="checkbox"/>            | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
| <input checked="" type="checkbox"/> | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
- Bottom Panel (Notepad):**

```
Original - no session intercepted
```

**Bottom Left (Browser Preview):**

Lab5.pdf

localhost/labfour/projects.php

**Stolen In 'Gone In 60 Seconds'**

Welcome one

Logout

| Project                          | Percent Complete | Comments |
|----------------------------------|------------------|----------|
| 1999 Aston Martin DB7            | 98%              |          |
| 1962 Aston Martin DB1            | 91%              |          |
| 1999 Bentley Arnage              | 89%              |          |
| 1999 Bentley Azure               | 76%              |          |
| 1959 Cadillac El Dorado          | 64%              |          |
| 1958 Cadillac El Dorado Brougham | 77%              |          |
| 1999 Cadillac Escalade           | 50%              |          |
| 2000 Cadillac El Dorado STS      | 45%              |          |
| 1957 Chevrolet Bel Air           | 21%              |          |

**Bottom Right (OWASP ZAP):**

Hostname: EC2AMAZ-TJTSF  
Architecture: AMD64

Untitled Session - OWASP ZAP 2.7.0

Header/Body:

```
HTTP/1.1 200 OK
Date: Sat, 21 Apr 2018 20:25:11 GMT
Server: Apache/2.4.18 (Ubuntu)
X-Forge-Options: SAMEORIGIN
X-Powered-By: PHP/7.1.16
Expires: Thu, 19 Nov 1981 08:52:00 GHT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Vary: Accept-Encoding
Content-Length: 2811
Keep-Alive: timeout=5, max=100
Connection: Keep-Alive
Content-Type: text/html; charset=UTF-8
```

Untitled - Notepad

```
<h1>First 10 Cars Stolen In 'Gone In 60 Seconds'</h1>
<h2>10 Cars Stolen In 'Gone In 60 Seconds'</h2>
<table border='1'><tr>
<td>1</td>
<td>mark</td>
<td>skiwheelr@gmail.com</td>
<td><form name='logout_form' action='logout.php'><input name='logoutbtn' type='submit' value='Logout'></form>
<input type='button' value='Logout' name='base2'></td>
</tr></table><br><form name='logout_form' action='logout.php'><input name='logoutbtn' type='submit' value='Logout'></form>
```

Break Points:

| Enabled                             | Type | Condition  |
|-------------------------------------|------|--|
| <input checked="" type="checkbox"/> | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
| <input type="checkbox"/>            | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
| <input type="checkbox"/>            | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |
| <input checked="" type="checkbox"/> | HTTP | URL: Regex Ignore Case http://localhost/labfour/projects.php |

Hostname: EC2AMA2  
Architecture: AMD64

Untitled Session - OWASP ZAP 2.7.0

Edit View Analyse Report Tools Online Help

Standard Mode Sites + Quick Start Request Response Break +

**Welcome to the OWASP Zed Attack Proxy (ZAP)**

ZAP is an easy to use integrated penetration testing tool for finding vulnerabilities in web applications.

Please be aware that you should only attack applications that you have been specifically been given permission to test.

To quickly test an application, enter its URL below and press 'Attack'.

URL to attack: http://localhost/labfour/login.html Select... Attack Stop

Progress: Attack complete - see the Alerts tab for details of any issues found

For a more in depth test you should explore your application using your browser or automated regression tests while proxying your application: Launch Browser Firefox

Untitled - Notepad

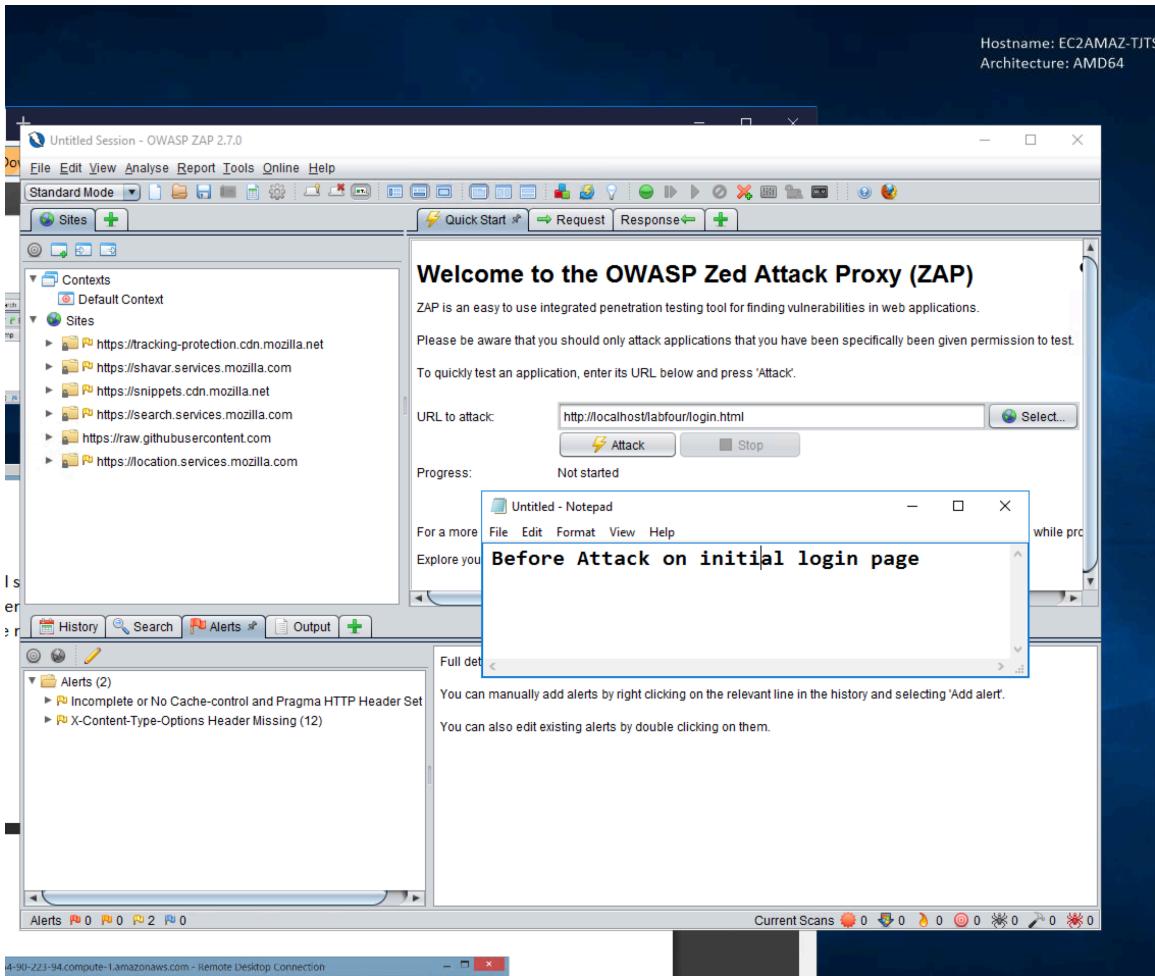
File Edit Format View Help

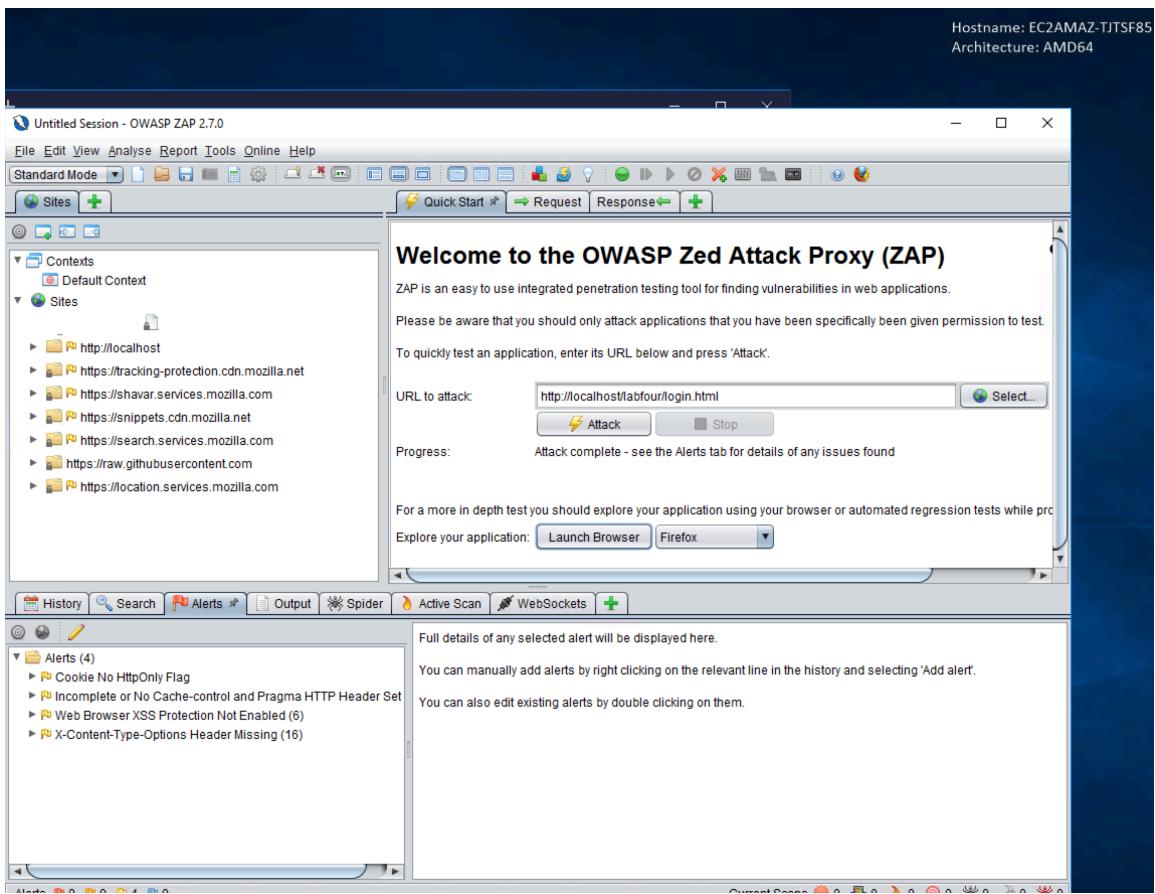
Attack on initial login page

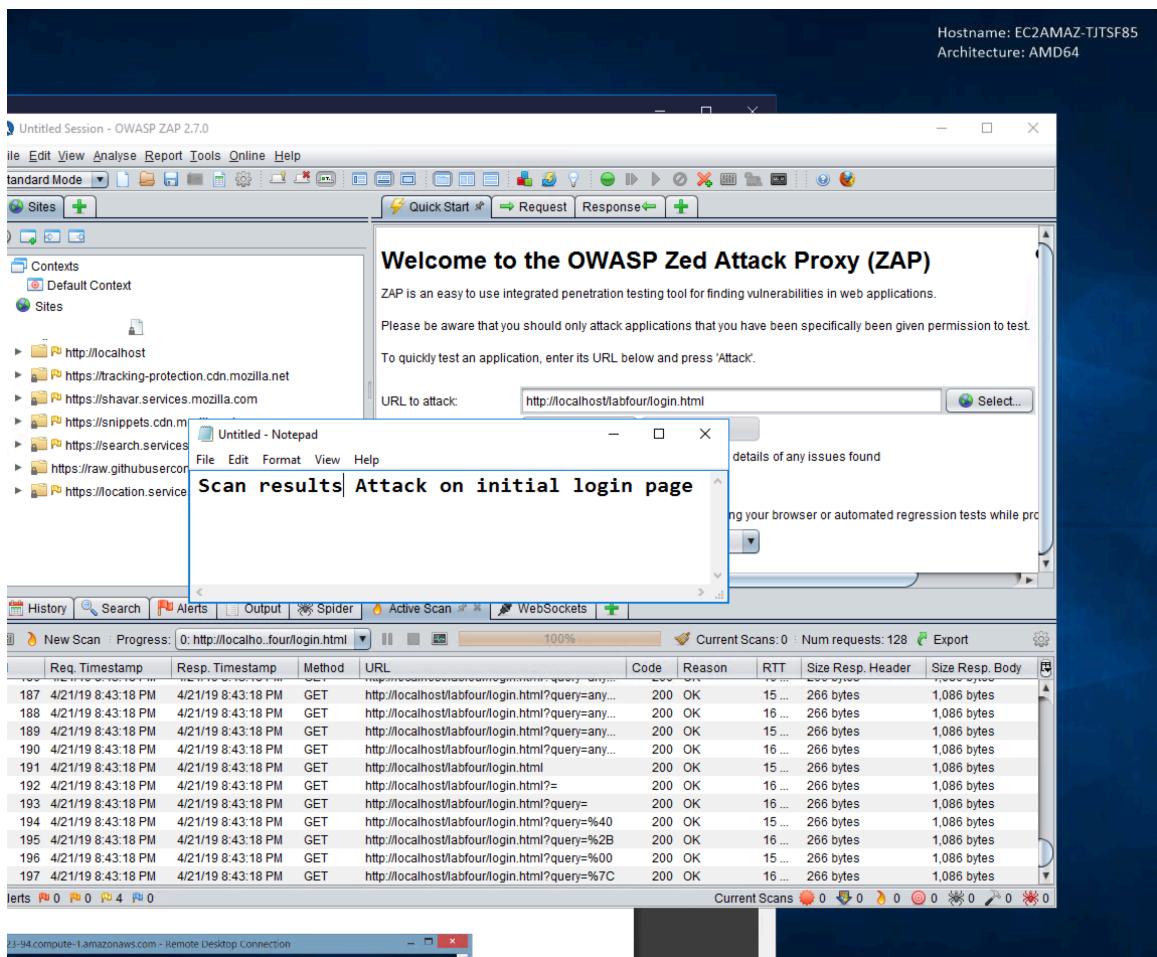
History Search Alerts Output Break Points WebSockets Spider Active Scan +

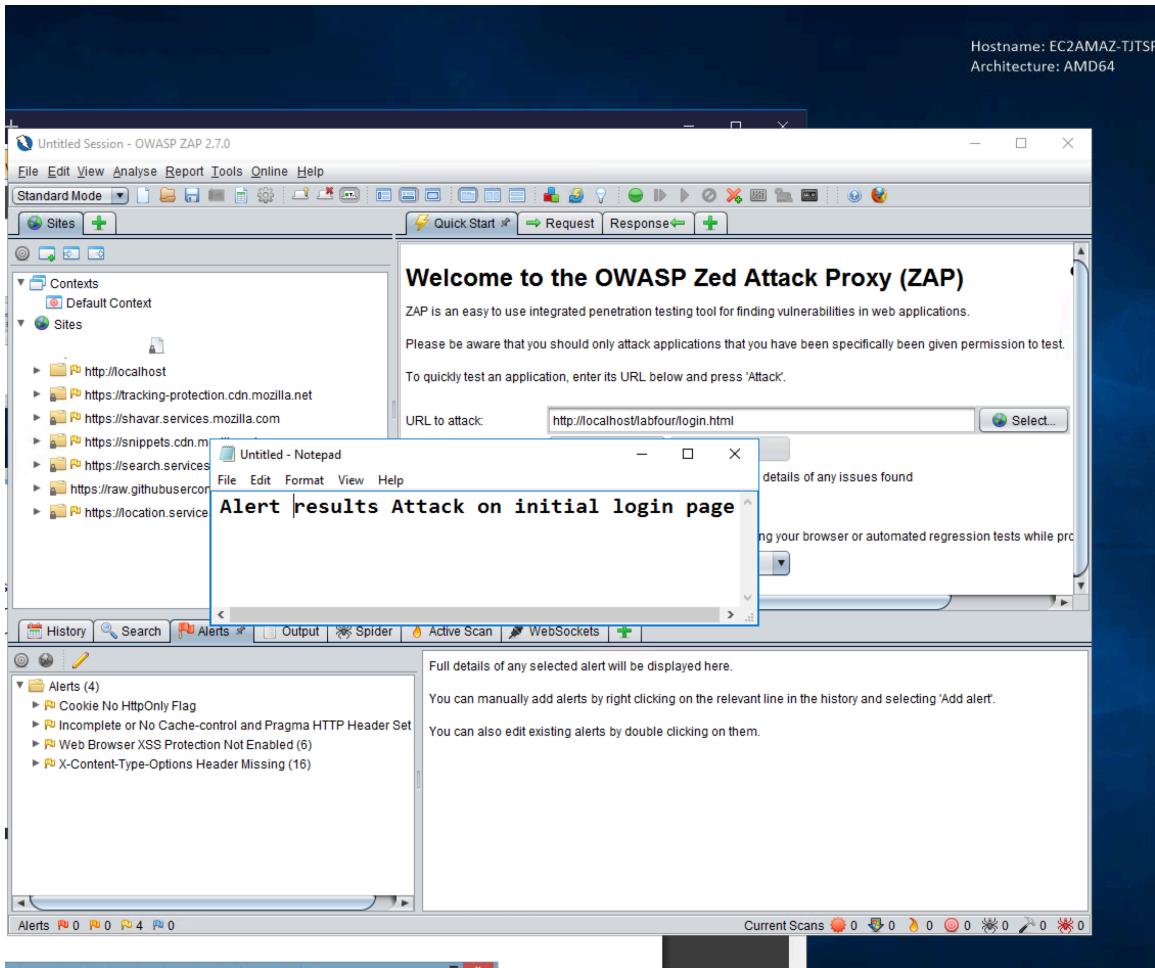
Filter: OFF Export

| Req. Timestamp | Method             | URL  | Code | Reason        | RTT     | Size          | Resp. Body | Highest Alert | Note                | Tags |
|----------------|--------------------|--|------|---------------|---------|---------------|------------|---------------|---------------------|------|
| 89             | 4/21/19 8:13:37 PM | GET https://customelisa.com/fonts/weathericons/fe...   | 200  | OK            | 492 ... | 2,176 bytes   |            | Low           |                     |      |
| 91             | 4/21/19 8:14:52 PM | GET http://localhost/                                  | 200  | OK            | 31 ...  | 607 bytes     |            | Low           |                     |      |
| 93             | 4/21/19 8:15:01 PM | GET http://localhost/labfour/                          | 200  | OK            | 0 ms    | 408 bytes     |            | Medium        |                     |      |
| 94             | 4/21/19 8:15:04 PM | GET http://localhost/labfour/login.html                | 200  | OK            | 16 ...  | 1,086 bytes   |            | Low           | Form, Comment       |      |
| 96             | 4/21/19 8:15:24 PM | POST http://localhost/labfour/projects.php             | 200  | OK            | 31 ...  | 2,811 bytes   |            | Low           | Form, Hidden, Se... |      |
| 97             | 4/21/19 8:22:20 PM | POST http://localhost/labfour/projects.php             | 200  | OK            | 16 ...  | 2,811 bytes   |            | Low           | Form, Hidden, Co... |      |
| 98             | 4/21/19 8:23:33 PM | GET https://push.services.mozilla.com/                 | 101  | Switching ... | 484 ... | 0 bytes       |            |               |                     |      |
| 100            | 4/21/19 8:23:49 PM | GET https://blocklists.settings.services.mozilla.co... | 200  | OK            | 859 ... | 234,839 bytes |            | Low           |                     |      |
| 117            | 4/21/19 8:24:21 PM | POST http://localhost/labfour/projects.php             | 200  | OK            | 0 ms    | 2,811 bytes   |            | Low           | Form, Hidden, Co... |      |
| 118            | 4/21/19 8:24:58 PM | POST http://localhost/labfour/projects.php             | 200  | OK            | 0 ms    | 2,811 bytes   |            | Low           | Form, Hidden, Co... |      |
| 119            | 4/21/19 8:25:11 PM | POST http://localhost/labfour/projects.php             | 200  | OK            | 0 ms    | 2,811 bytes   |            | Low           | Form, Hidden, Co... |      |
| 120            | 4/21/19 8:28:56 PM | POST http://localhost/labfour/projects.php             | 200  | OK            | 0 ms    | 2,811 bytes   |            | Low           | Form, Hidden, Co... |      |







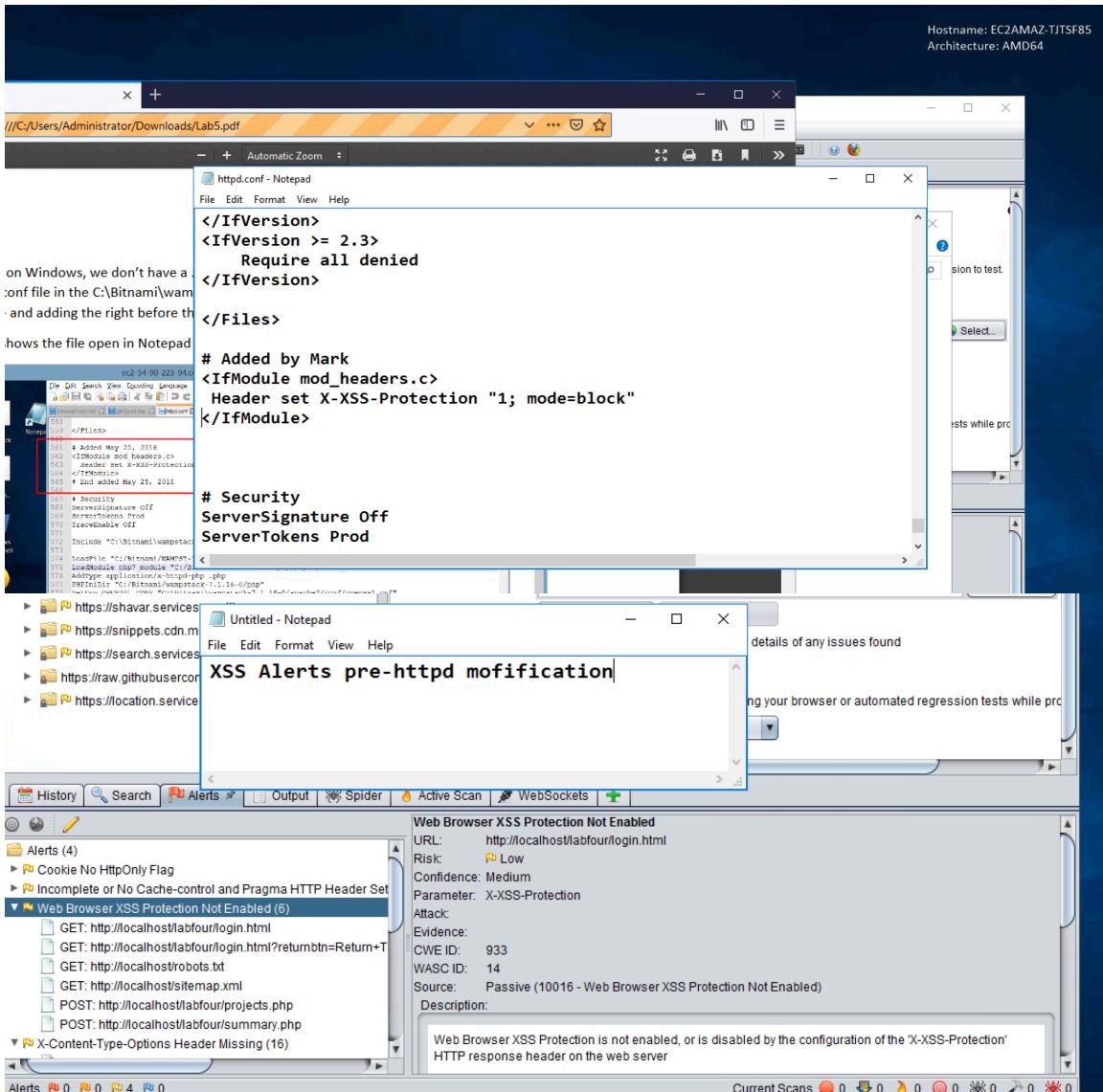


The screenshot shows the "ZAP Scanning Report" window. It has a header with the title "ZAP Scanning Report" and a sub-header "file:///C:/Users/Administrator/Documents/html". The main content area is titled "Summary of Alerts" and contains a table:

| Risk Level    | Number of Alerts |
|---------------|------------------|
| High          | 0                |
| Medium        | 0                |
| Low           | 11               |
| Informational | 0                |

Below this is a section titled "Alert Detail" with a table:

| Low (Medium) | Web Browser XSS Protection Not Enabled  |
|--------------|---|
| Description  | Web Browser XSS Protection is not enabled, or is disabled by the configuration of the 'X-XSS-Protection' HTTP response header on the web server |
| URL          | http://localhost/labfour/projects.php   |
| Method       | POST  |
| Parameter    | X-XSS-Protection  |
| URL          | http://localhost/robots.txt   |
| Method       | GET   |
| Parameter    | X-XSS-Protection  |
| URL          | http://localhost/sitemap.xml  |
| Method       | GET   |
| Parameter    | X-XSS-Protection  |
| URL          | http://localhost/labfour/login.html?returnbtn=Return+To+Login+To+Comment  |
| Method       | GET   |



Hostname: EC2A  
Architecture: AM

Untitled Session - OWASP ZAP 2.7.0

Edit View Analyse Report Tools Online Help Standard Mode

File Edit Format View Help

httpd - Notepad

```
Order allow,deny
Deny from all
</IfVersion>
<IfVersion >= 2.3>
    Require all denied
</IfVersion>
</Files>

# Added by Mark
<IfModule mod_headers.c>
    Header set X-XSS-Protection "1; mode=block"
    Header set X-Content-Type-Options nosniff
</IfModule>
```

Prevents MIME sniffing by telling chrome and IE browsers to stop deducing content format by sniffing.

