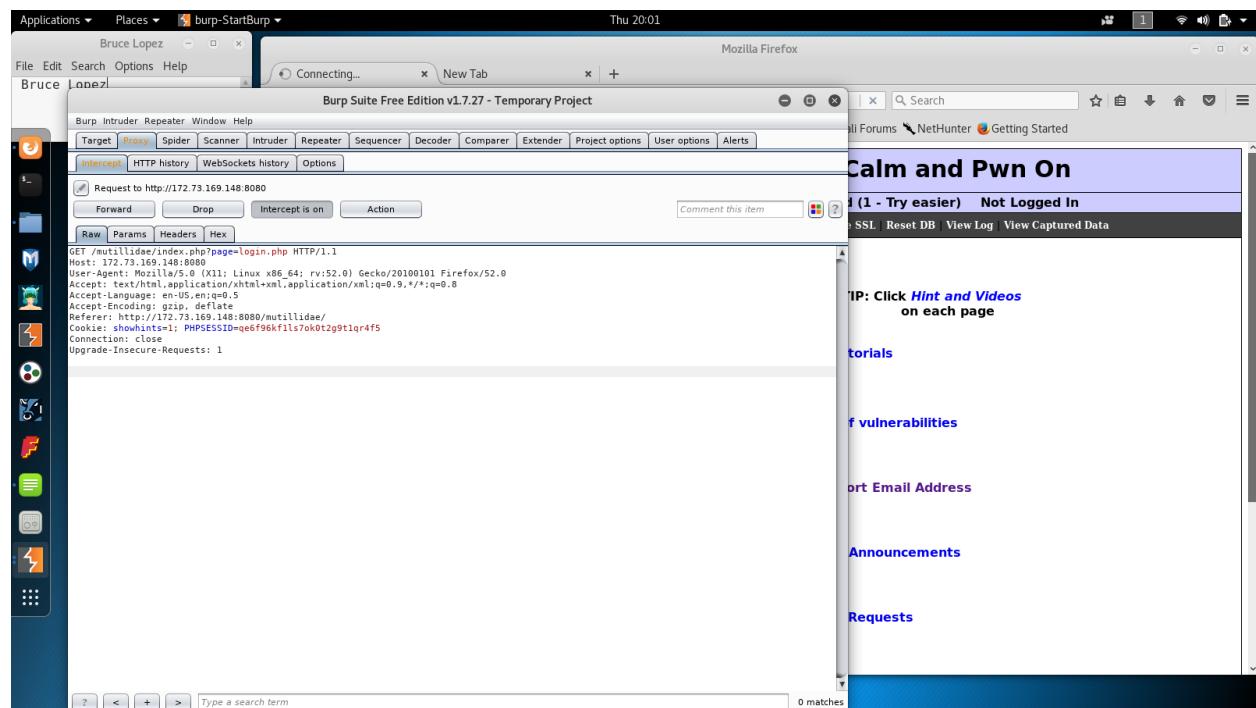
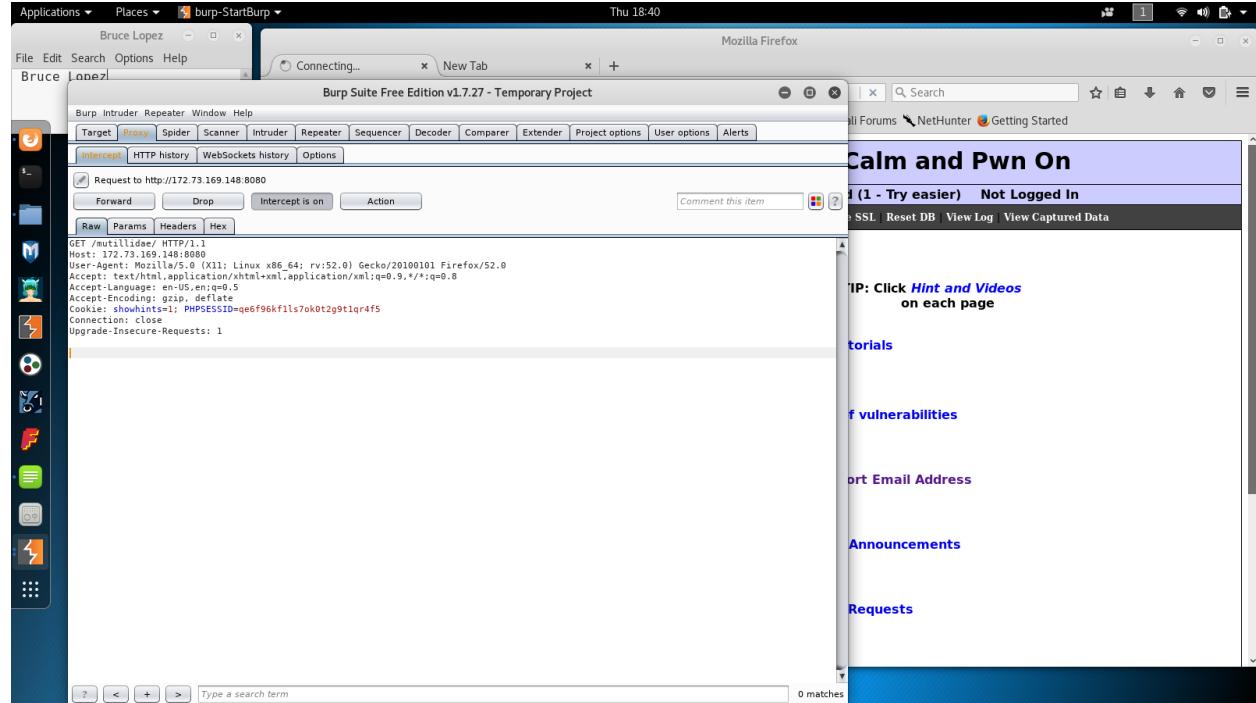


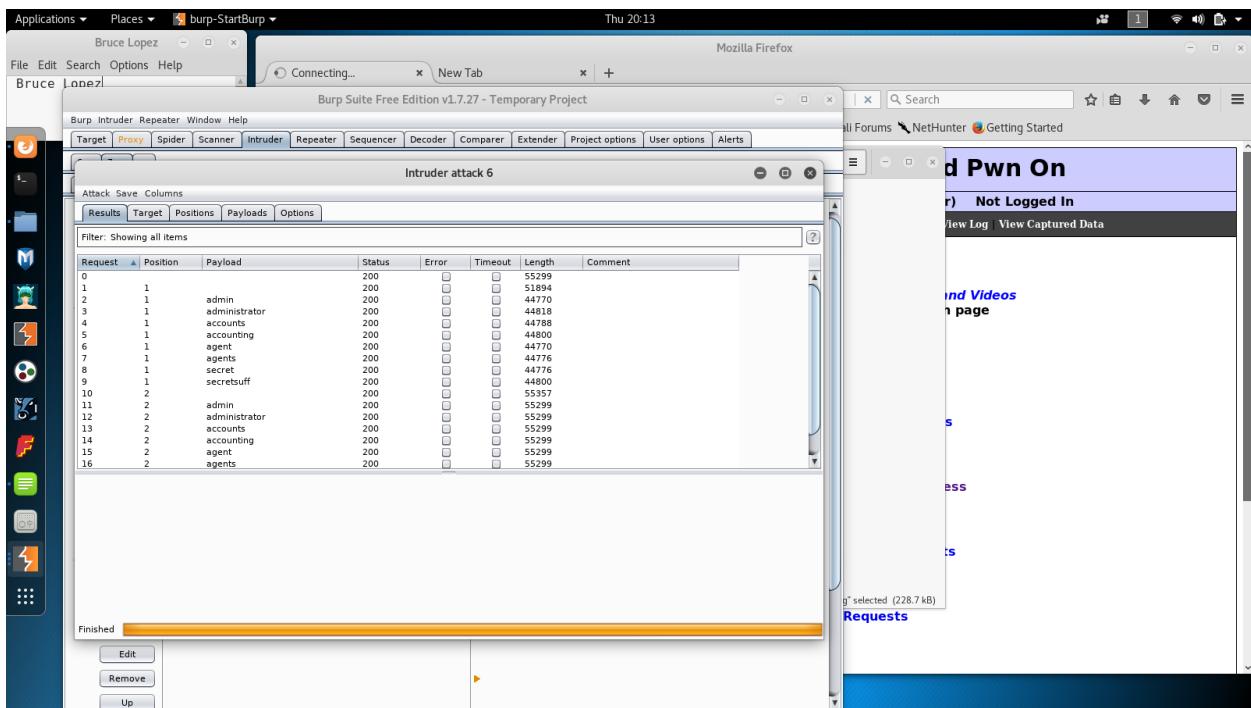
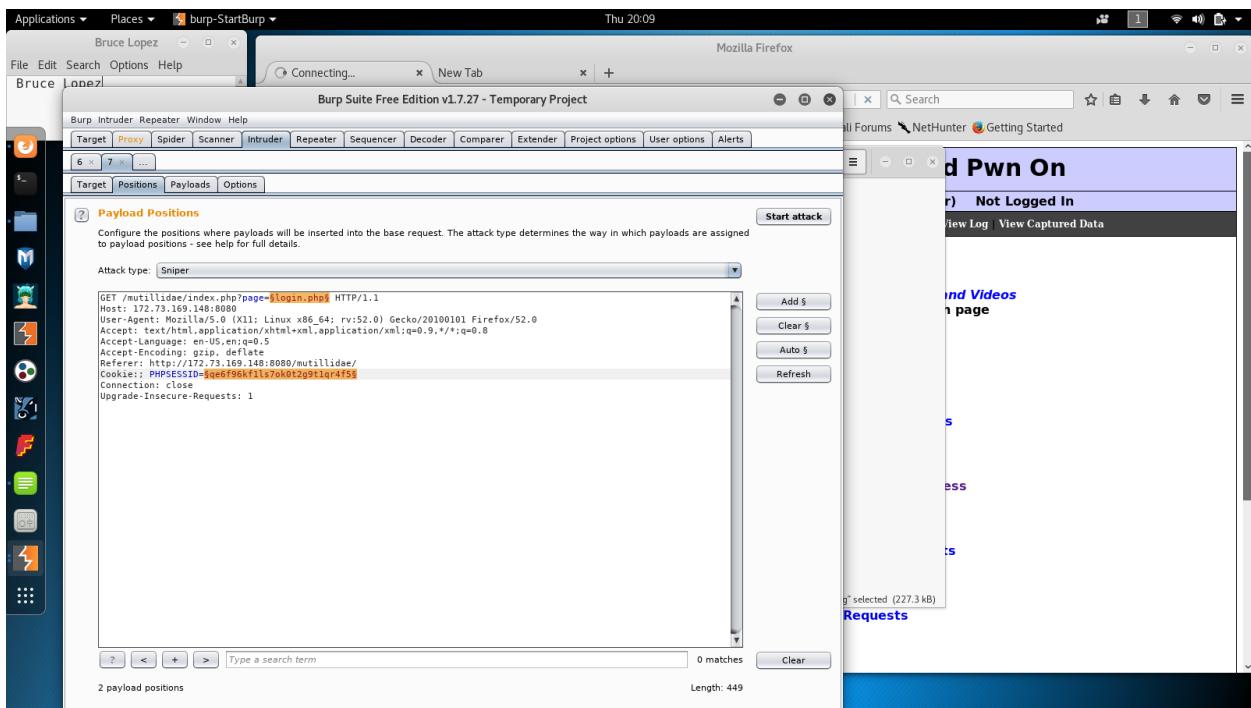
Web Attacks using Burp Suite

Bruce Lopez

ITIS 4221

Intercepting Proxy





Intruder attack 6

Request	Position	Payload	Status	Error	Timeout	Length	Comment
0	1		200	<input type="checkbox"/>	<input type="checkbox"/>	55299	
1	1	admin	200	<input type="checkbox"/>	<input type="checkbox"/>	51894	
2	1	administrator	200	<input type="checkbox"/>	<input type="checkbox"/>	44770	
3	1	accounts	200	<input type="checkbox"/>	<input type="checkbox"/>	44788	
4	1	accounting	200	<input type="checkbox"/>	<input type="checkbox"/>	44770	
5	1	agent	200	<input type="checkbox"/>	<input type="checkbox"/>	44776	
6	1	agents	200	<input type="checkbox"/>	<input type="checkbox"/>	44776	
7	1	secret	200	<input type="checkbox"/>	<input type="checkbox"/>	44776	
8	1	secretsbuff	200	<input type="checkbox"/>	<input type="checkbox"/>	44776	
9	1		200	<input type="checkbox"/>	<input type="checkbox"/>	44776	
10	2	admin	200	<input type="checkbox"/>	<input type="checkbox"/>	55357	
11	2	administrator	200	<input type="checkbox"/>	<input type="checkbox"/>	55299	
12	2	accounts	200	<input type="checkbox"/>	<input type="checkbox"/>	55299	
13	2	accounting	200	<input type="checkbox"/>	<input type="checkbox"/>	55299	
14	2	agent	200	<input type="checkbox"/>	<input type="checkbox"/>	55299	
15	2	agents	200	<input type="checkbox"/>	<input type="checkbox"/>	55299	
16	2	agents	200	<input type="checkbox"/>	<input type="checkbox"/>	55299	

Intruder attack 7

Request	Position	Payload	Status	Error	Timeout	Length	Validation	Comment
10	1	.secret	200	<input type="checkbox"/>	<input type="checkbox"/>	44818		
11	1	.bash_history	200	<input type="checkbox"/>	<input type="checkbox"/>	44822		
12	1	.bashrc	200	<input type="checkbox"/>	<input type="checkbox"/>	44800		
13	1	.cignore	200	<input type="checkbox"/>	<input type="checkbox"/>	138694		
14	1	.history	200	<input type="checkbox"/>	<input type="checkbox"/>	138702		
15	1	.htaccess	200	<input type="checkbox"/>	<input type="checkbox"/>	138702		
16	1	.htpasswd	200	<input type="checkbox"/>	<input type="checkbox"/>	138702		
17	1	.perf	200	<input type="checkbox"/>	<input type="checkbox"/>	44782		
18	1	.ssh	200	<input type="checkbox"/>	<input type="checkbox"/>	44764		
19	1	.svh	200	<input type="checkbox"/>	<input type="checkbox"/>	44764		

Which hidden pages have been discovered?

- .htaccess
- .htpasswd

What about the length of those pages might be an indication of pages found?

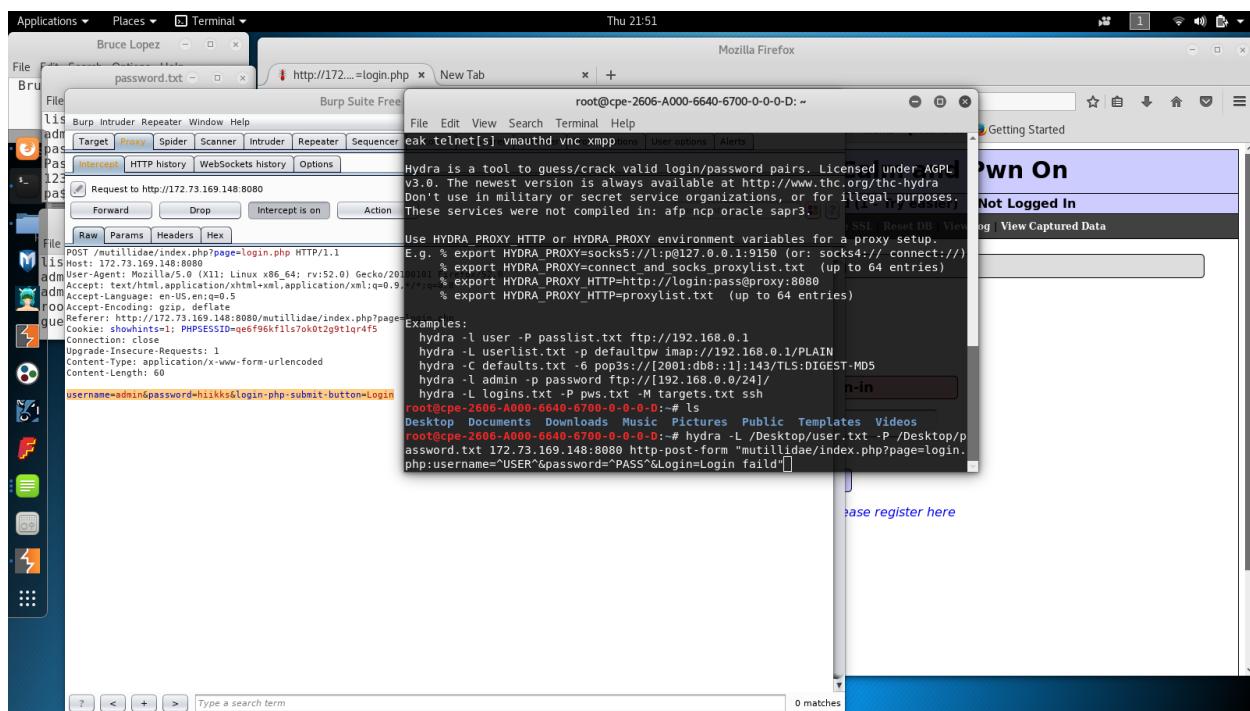
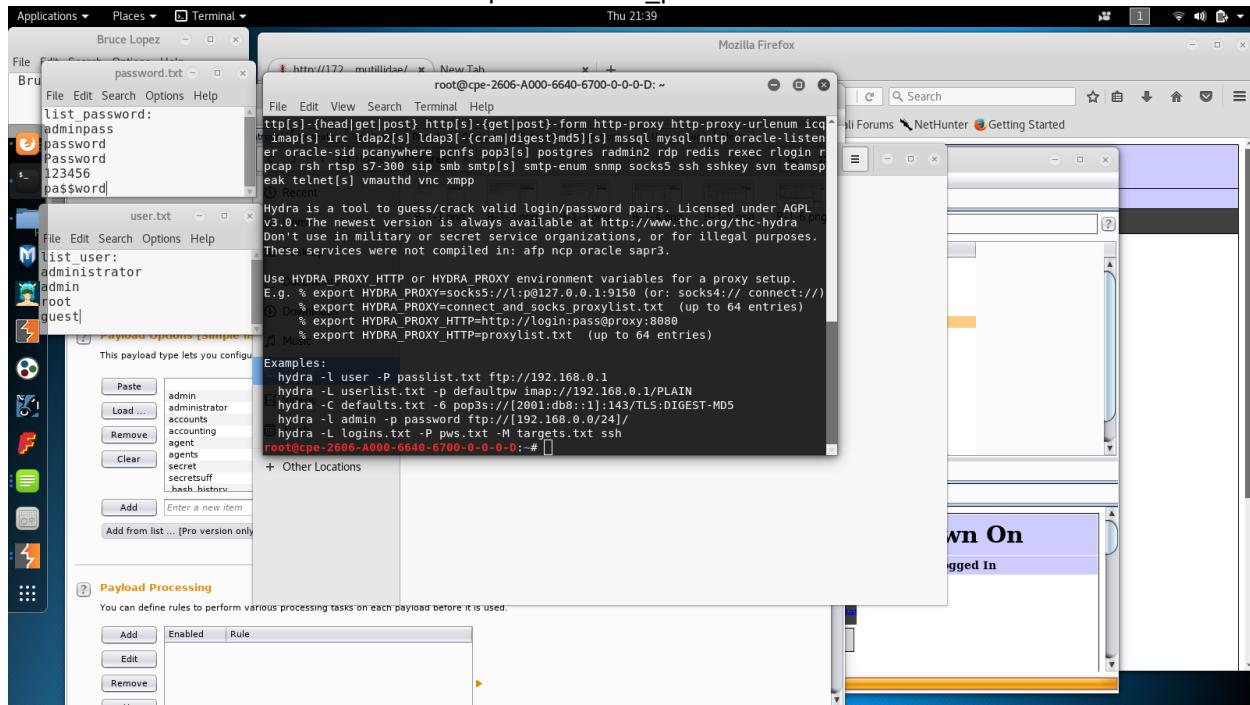
- The length of those pages is about significant higher the admin page is about 44800 while the .htaccess and htpasswd have a length of 138702. They are about 100,000 longer.

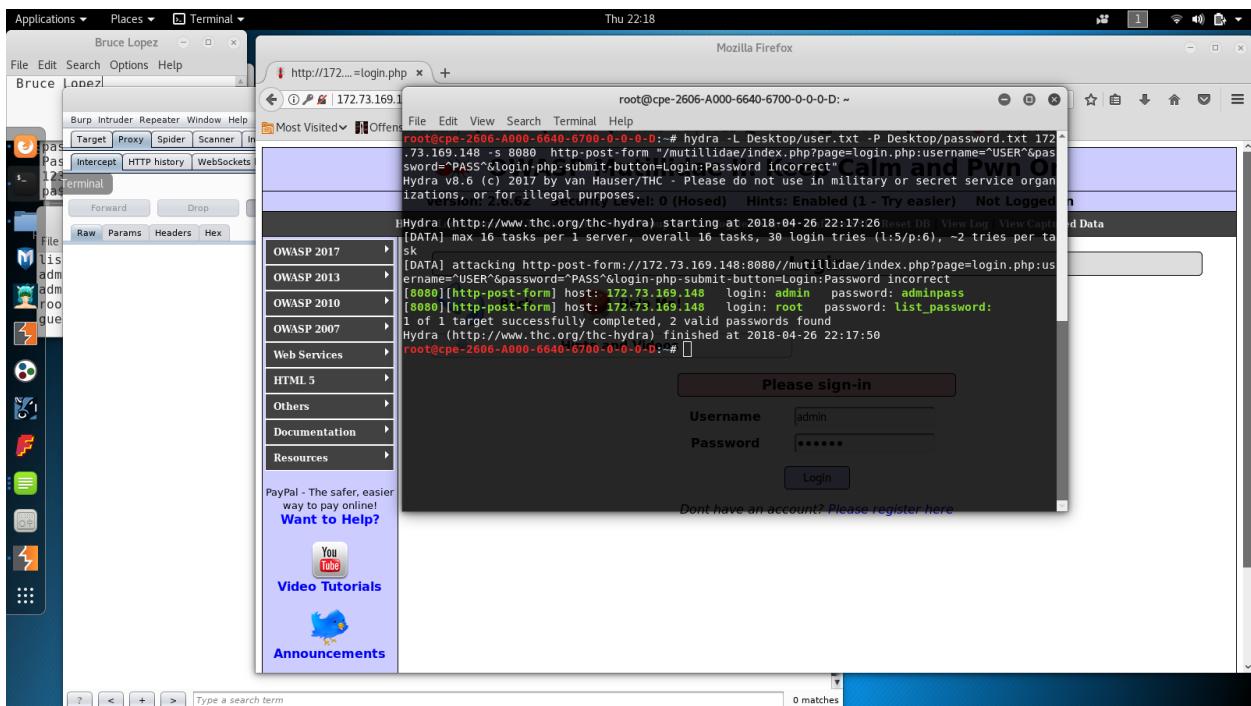
Brute Force

- Hydra

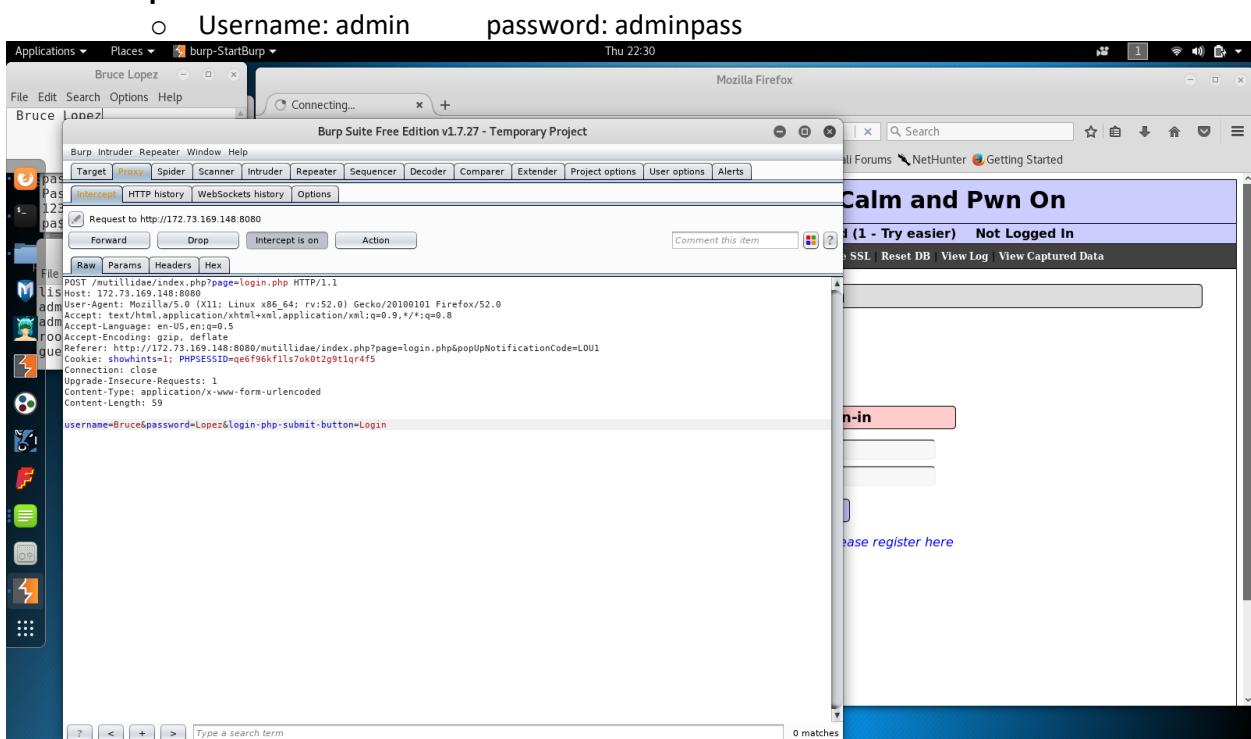
- o Username: admin
- o Username: root

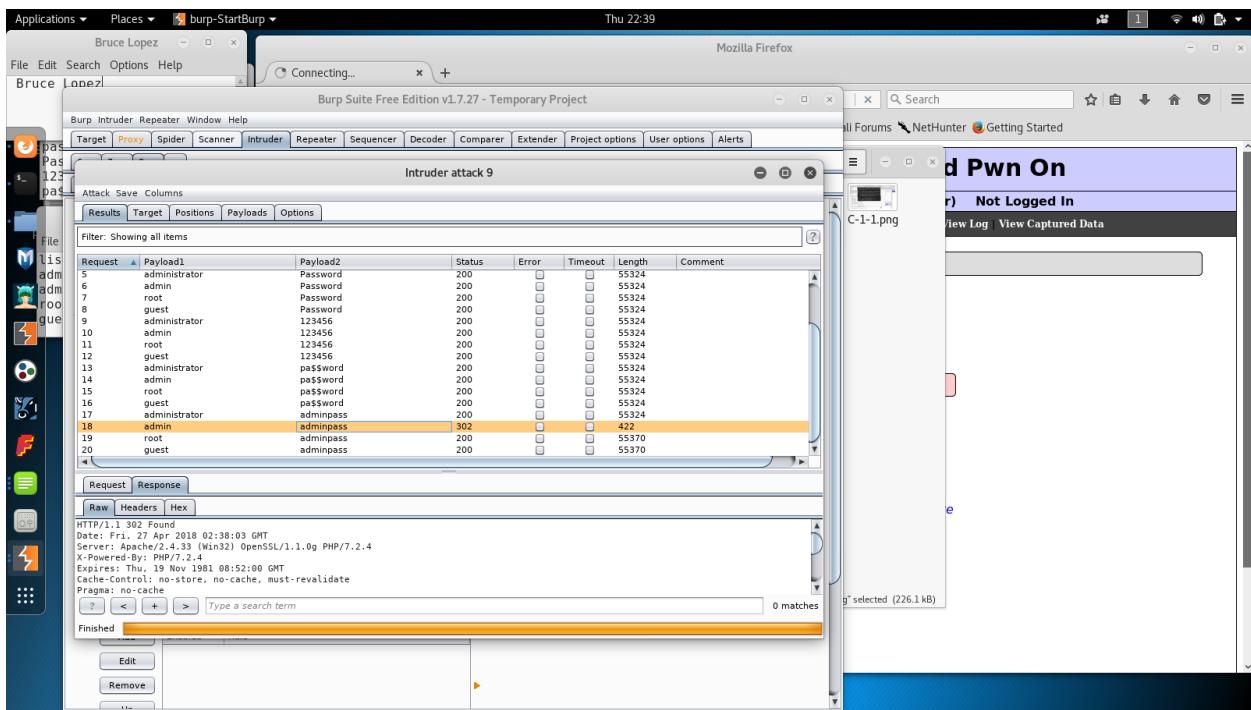
password: adminpass
password: list_password





- Burp Suite





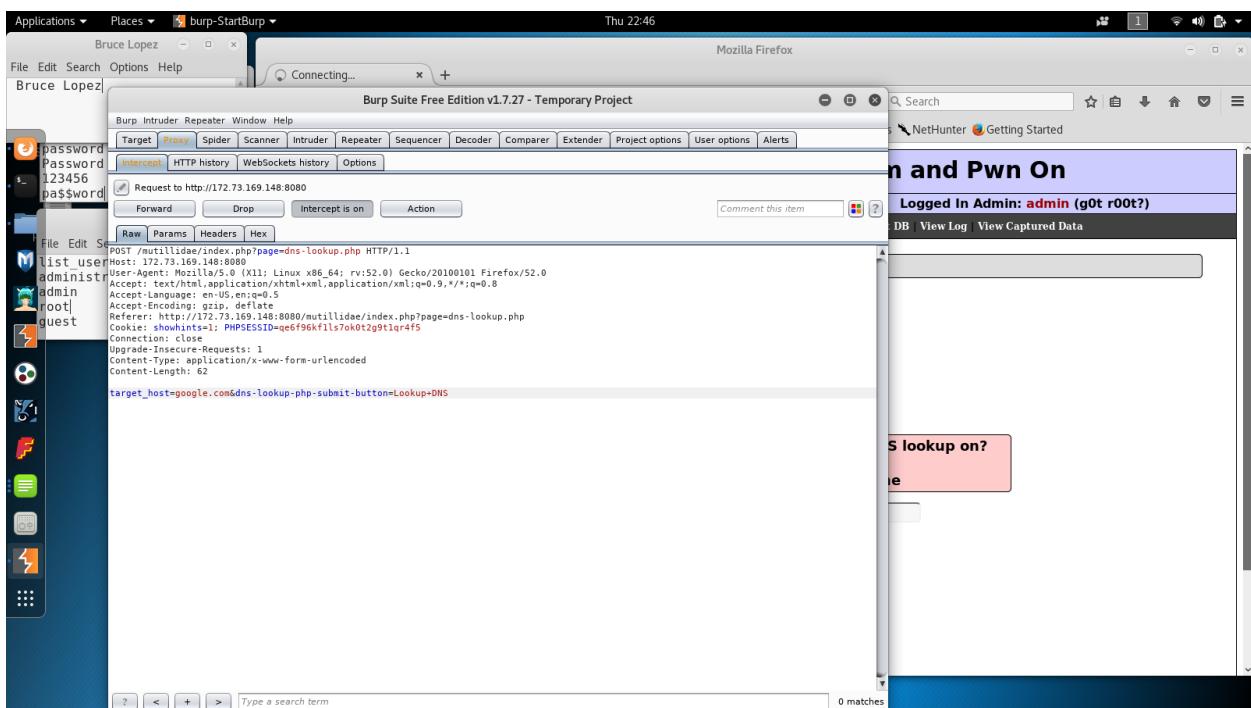
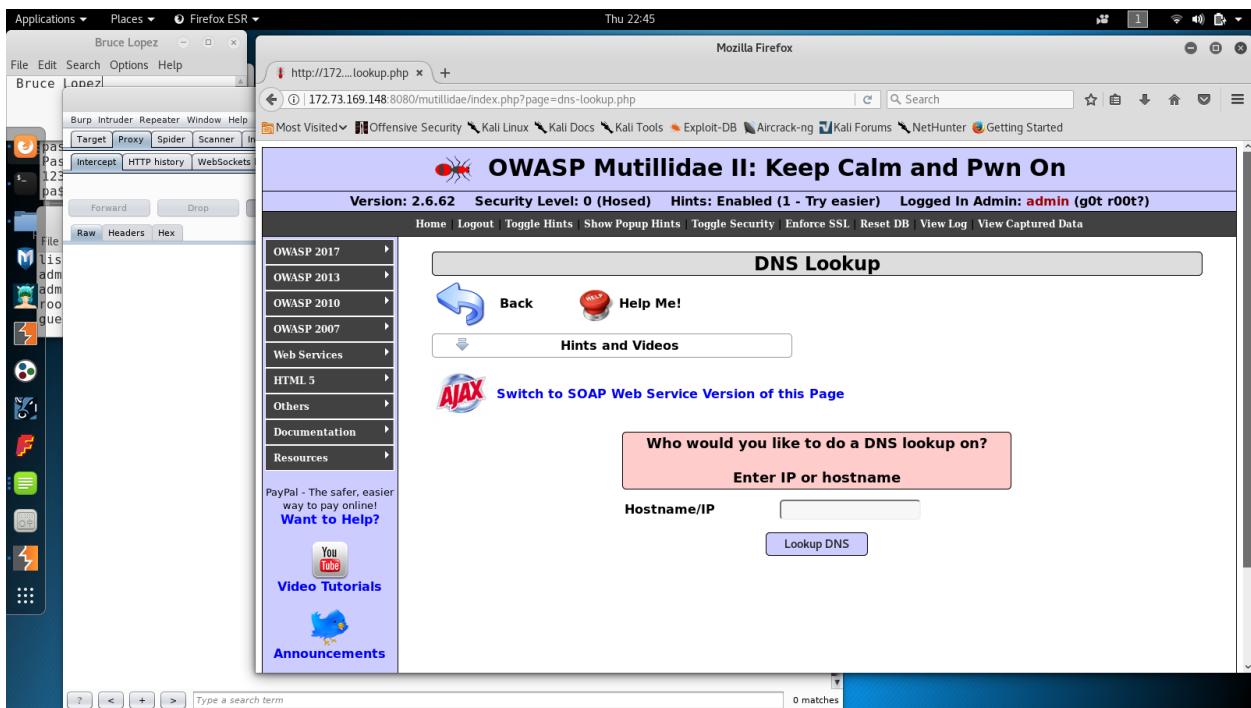
Injection Attack

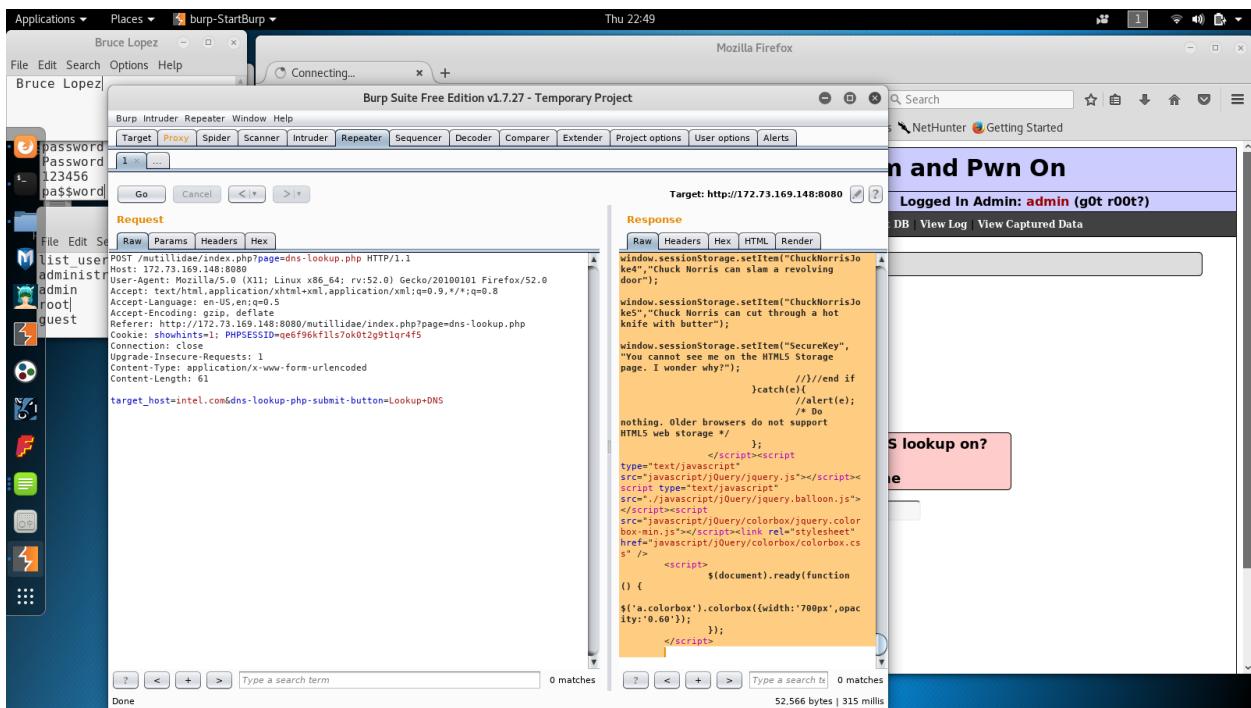
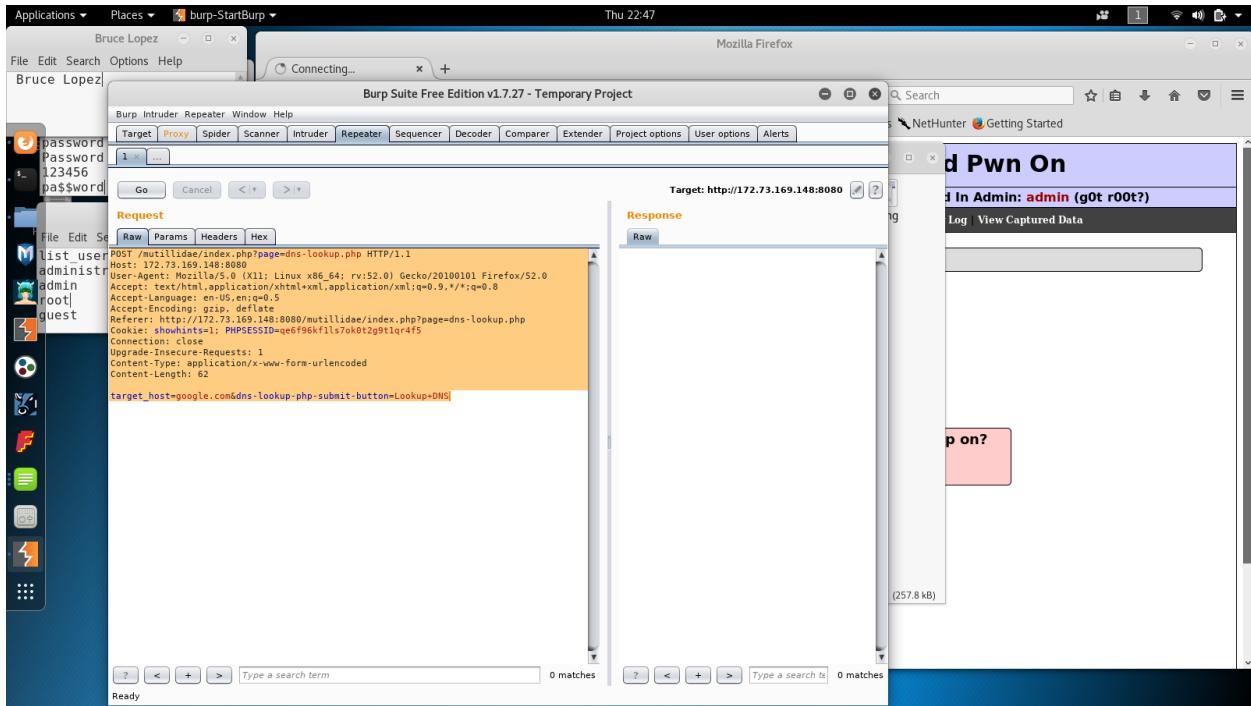
Outline how many differences are between two pages.

- Date
- Content Length
- Results for
- Name
- Addresses

Outline the IP addresses returned for google.com and intel.com. What are the IP addresses found:

- Google
 - 2607:f8b0:4002:c00::71
 - 74.125.136.138
 - 74.125.136.139
 - 74.125.136.101
 - 74.125.136.100
 - 74.125.136.113
 - 74.125.136.102
- Intel
 - 13.91.95.74



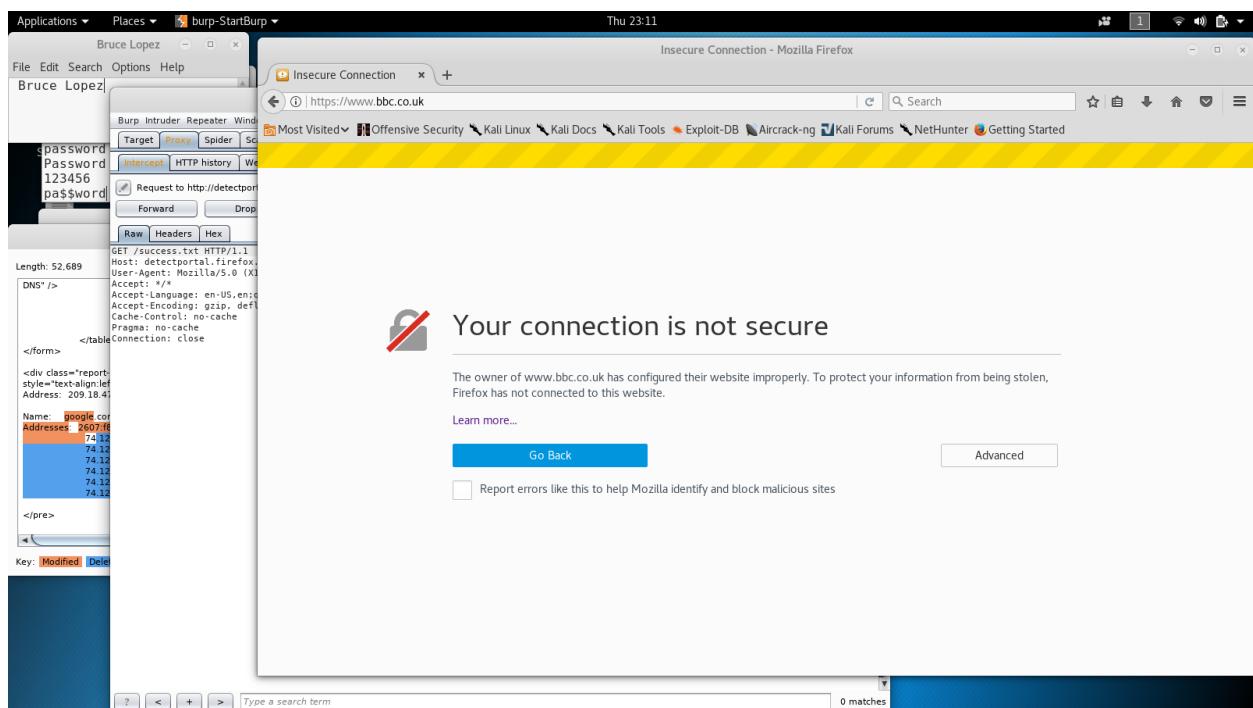
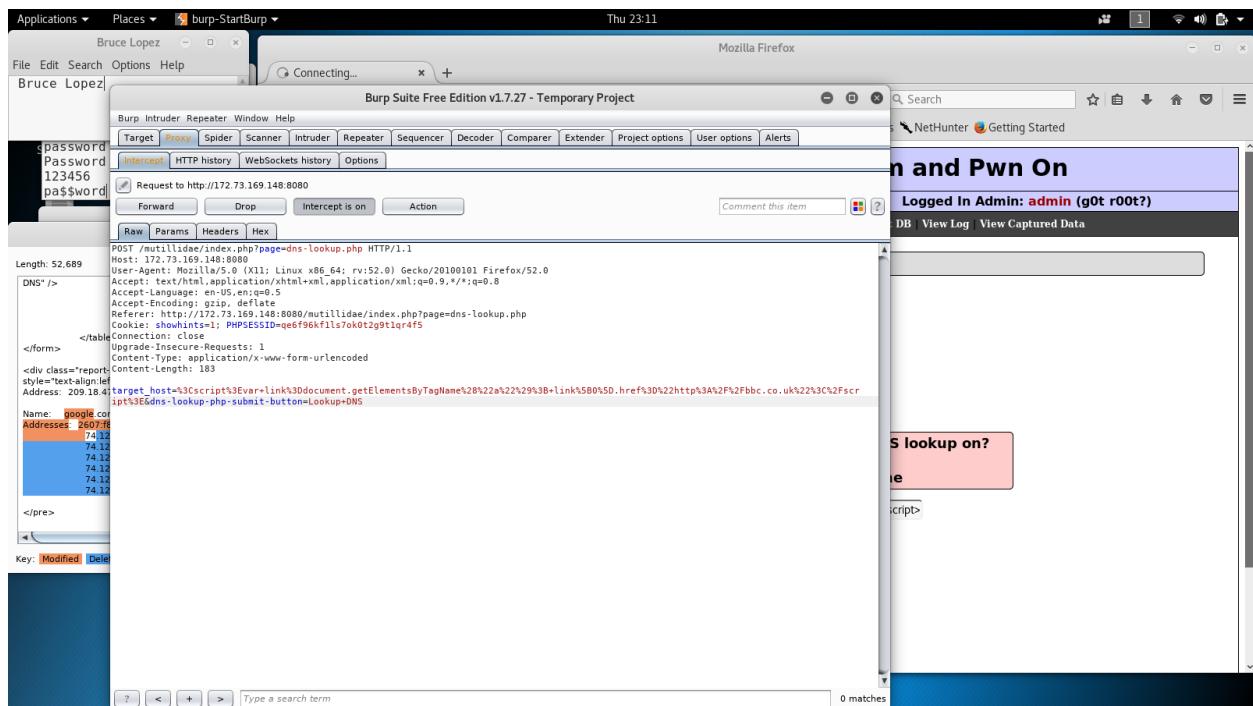


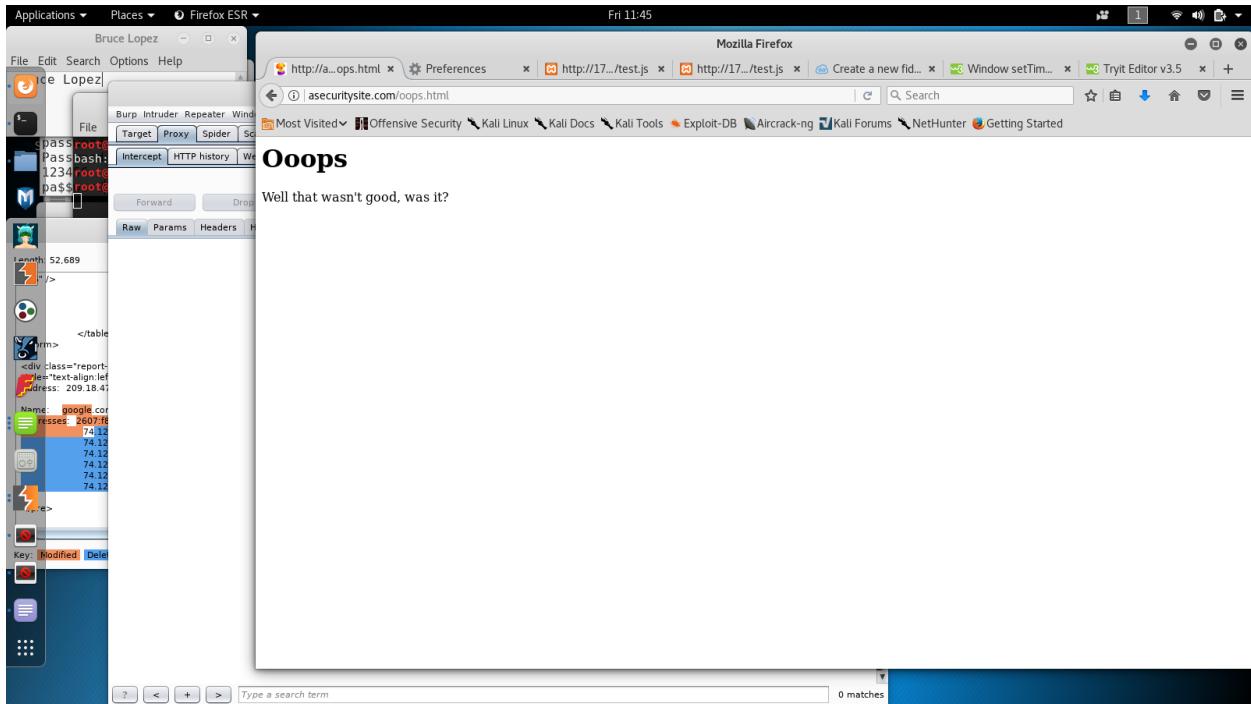
The screenshot shows the Burp Suite interface with two items selected for comparison. The left item is a payload for 'google.com' with a length of 52,569 bytes, containing HTML code reflecting a search for 'google'. The right item is a payload for 'intel.com' with a length of 52,566 bytes, containing similar HTML code reflecting a search for 'intel'. Both payloads include a note about database passwords being set to blank or perhaps samurai. A comparison dialog is open at the bottom, showing options to compare by 'Words' or 'Bytes'.

The JavaScript should be inserted into the page. The page should now be hacked what is the result:

- After inserting the JavaScript into the page I got redirected to asecuritysite.com

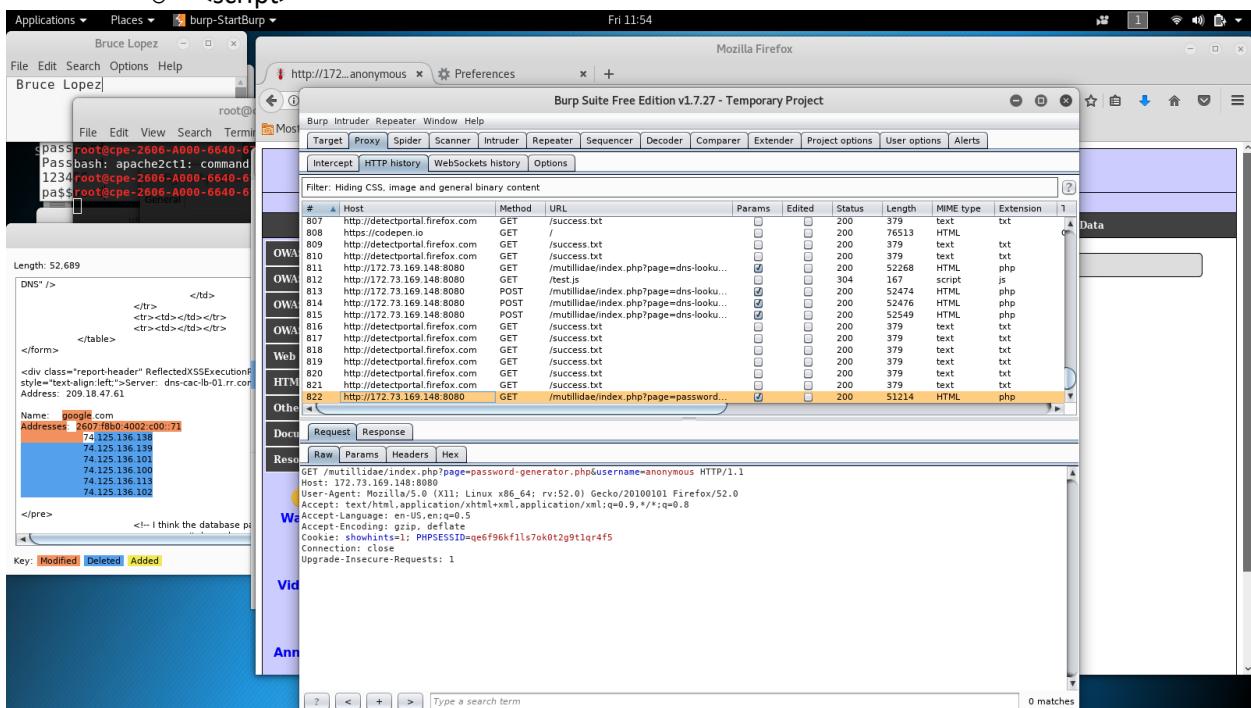
The screenshot shows a Firefox browser window displaying the OWASP Mutillidae II: Keep Calm and Pwn On website. A modal dialog box is open with the message 'Oops I have been compromised'. Below the modal, there is a form titled 'DNS Lookup' with a placeholder 'Enter IP or hostname' and a 'Lookup DNS' button. The URL in the address bar is 172.73.169.148:8080/mutillidae/index.php?page=dns-lookup.php. The page content includes various links and sections related to web security, such as OWASP 2017, OWASP 2013, OWASP 2010, OWASP 2007, and documentation for Web Services, HTML 5, and others.

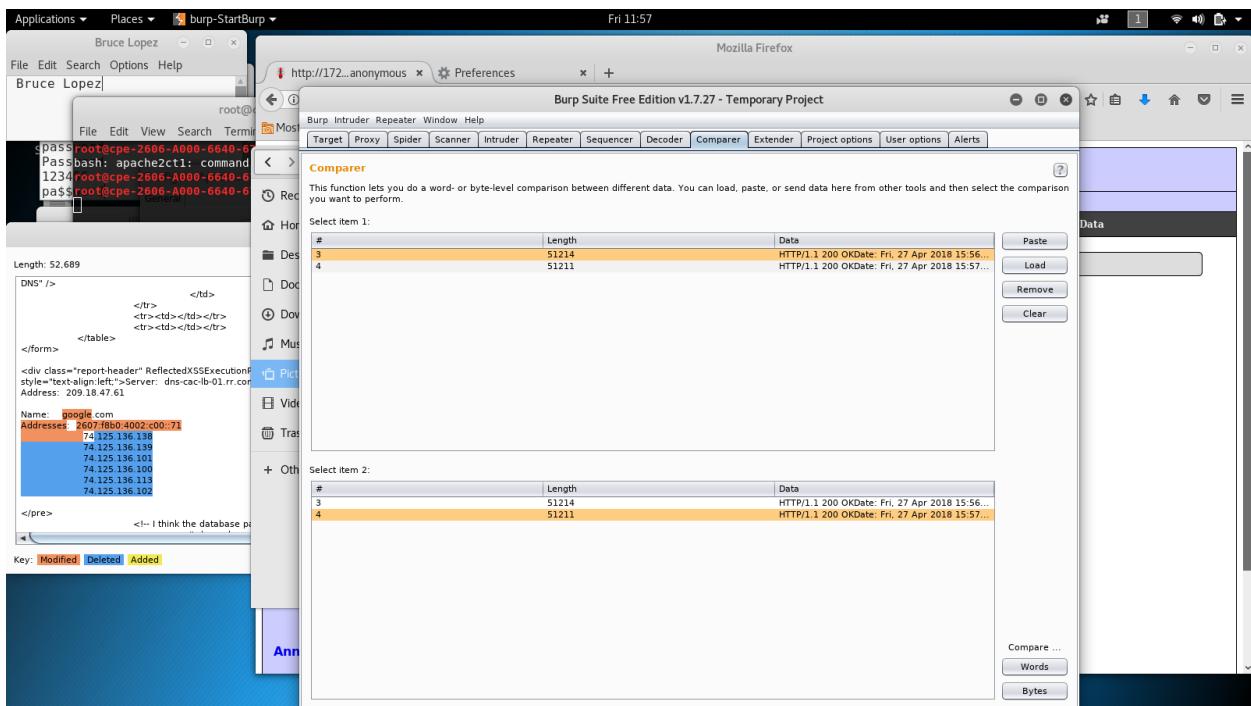
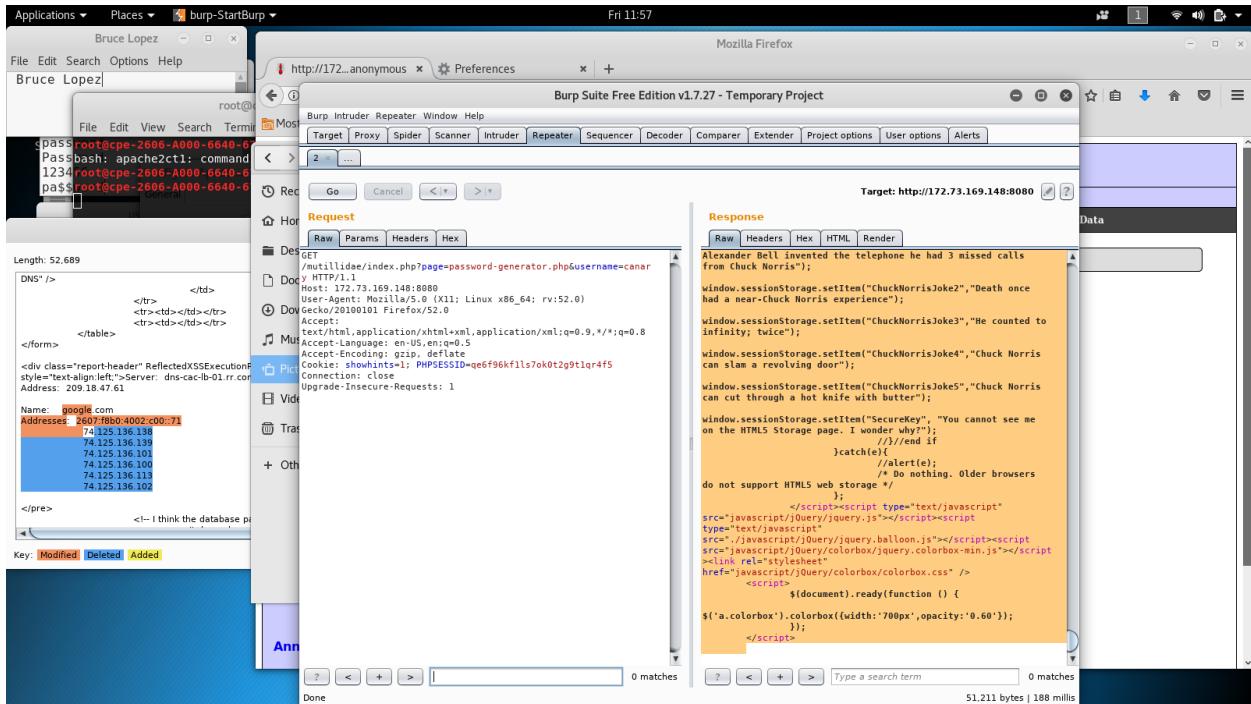




JavaScript Injection

- There should be six differences. What are these changes?
 - o Date
 - o Content-Length
 - o <script>





The screenshot shows a Burp Suite session titled "Temporary Project". The "Comparer" tab is selected. Two items are being compared:

Item 1 (Length: 51.214):

```
<form>
    <tr><td></td></tr>
    <tr>
        <td style="text-align:center;">
            <input name="password-generator-php-submit-button" type="button" value="Generate Password" onclick="onSubmitOfGeneratorForm(this.form);"/>
        </td>
    </tr>
</form>
<script>
try{
} catch(e){
    document.getElementById("idUsernameInput").innerHTML = "This password is for anonymous

Item 2 (Length: 51.211):



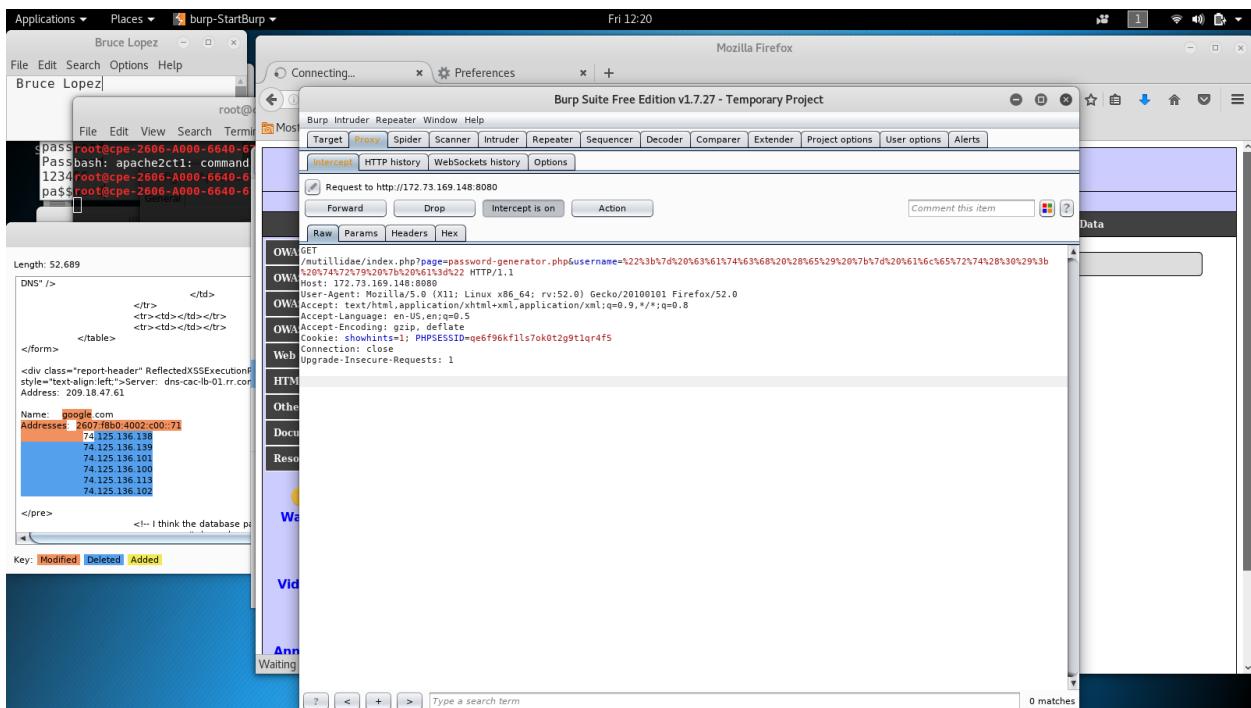
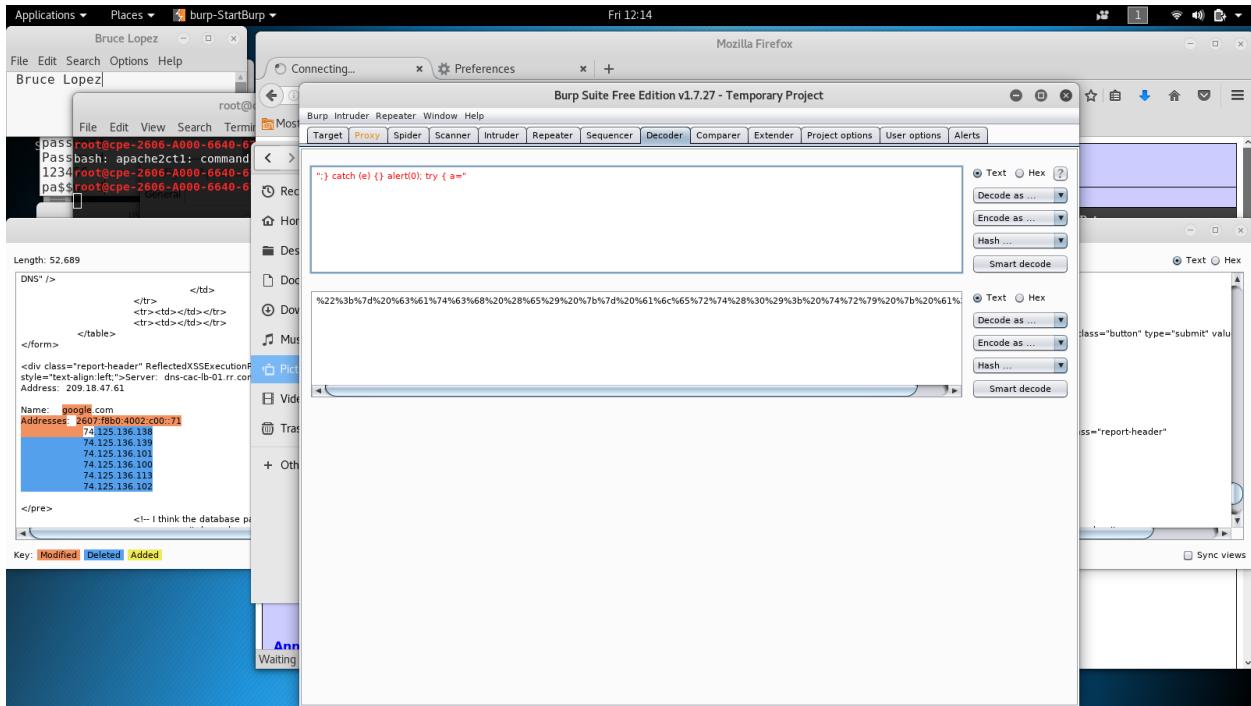
```
<tr id="idPasswordTableRow" style="display: none;">
 <td class="label" id="idPasswordInput"></td>
</tr>
<tr><td></td></tr>
<tr>
 <td style="text-align:center;">
 <input name="password-generator-php-submit-button" type="button" value="Generate Password" onclick="onSubmitOfGeneratorForm(this.form);"/>
 </td>
</tr>
<tr><td></td></tr>
</table>
</form>
<script>
try{
} catch(e){
 document.getElementById("idUsernameInput").innerHTML = "This password is for canary

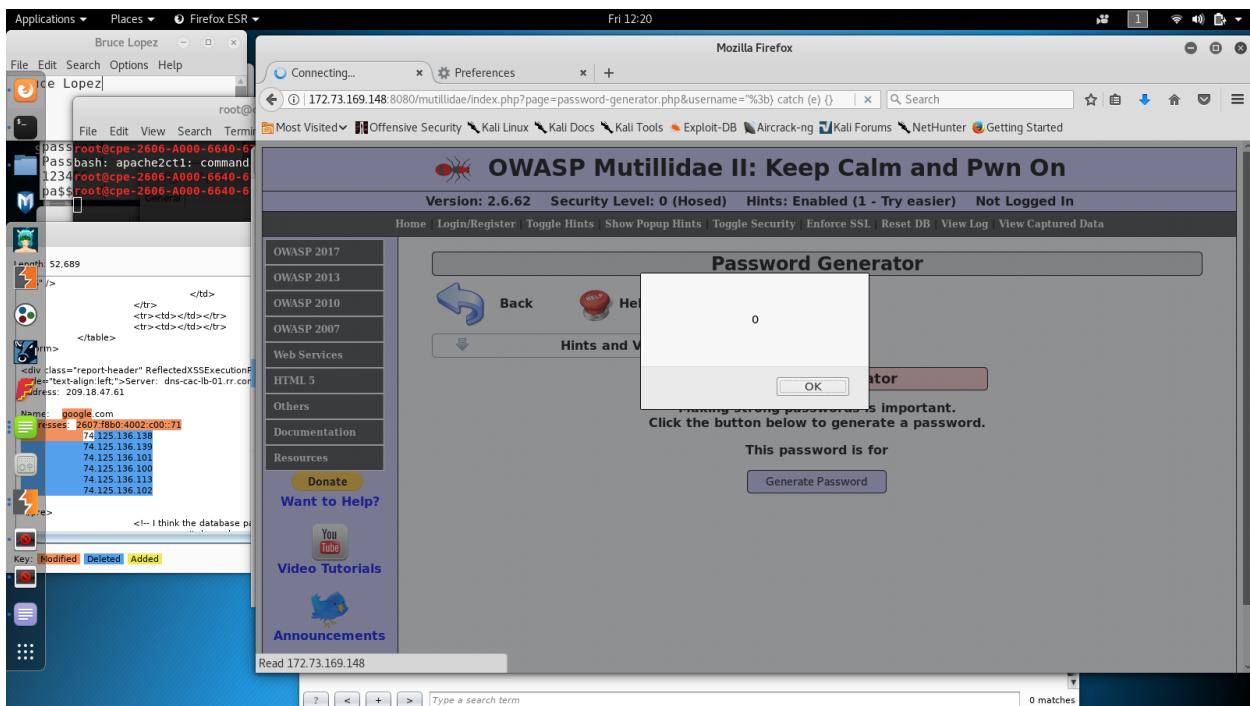
At the bottom right of the Comparer window, there are buttons for "Compare ...", "Words", and "Bytes".


```


```

- Did a pop-up appear when you injected the code:
 - o Yes, a pop-up with a 0 appeared





SQL injection

What happens to the results on the Web page:

- It displayed results for all 23 usernames, passwords and signatures
- Worked only after I placed a space in the begin and end of ' or 1=1 --

