

Sri Lanka Institute of Information
Technology



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Discover Your Future

Web Security - IE2062

Cross-site request forgery (CSRF) Report

C.D Aluthge

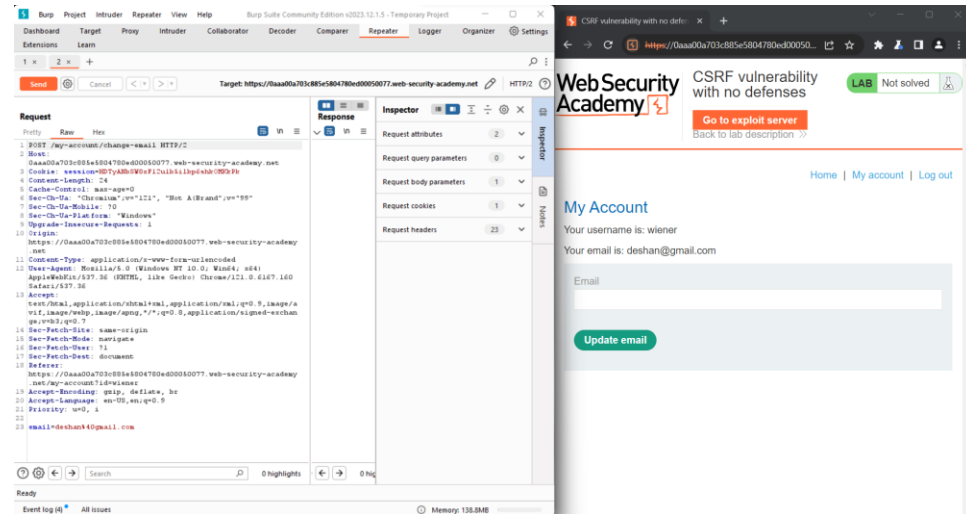
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Y2S2

Weekday - Group 1.2

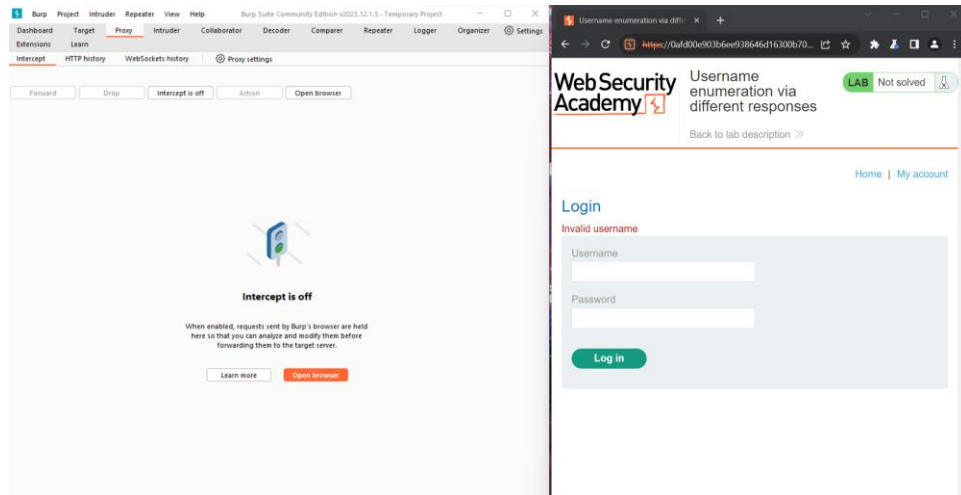
Lab 01

- Open Burp's browser and log in to your account. Submit the "Update email" form, and find the resulting request in your Proxy history.

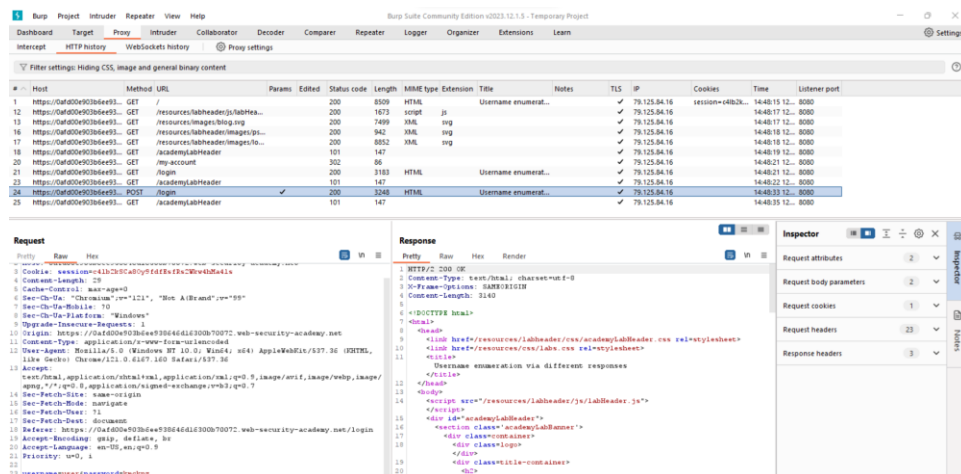


Lab 02

- With Burp running, investigate the login page and submit an invalid username and password



- In Burp, go to Proxy > HTTP history and find the POST /login request. Highlight the value of the username parameter in the request and send it to Burp Intruder.



- Make sure that the Sniper attack type is selected.
- On the Payloads tab, make sure that the Simple list payload type is selected.
- Under Payload settings, paste the list of candidate usernames. Finally, click Start attack. The attack will start in a new window.
- When the attack is finished, on the Results tab, examine the Length column. You can click on the column header to sort the results. Notice that one of the

entries is longer than the others. Compare the response to this payload with the other responses. Notice that other responses contain the message Invalid username, but this response says Incorrect password. Make a note of the username in the Payload column.

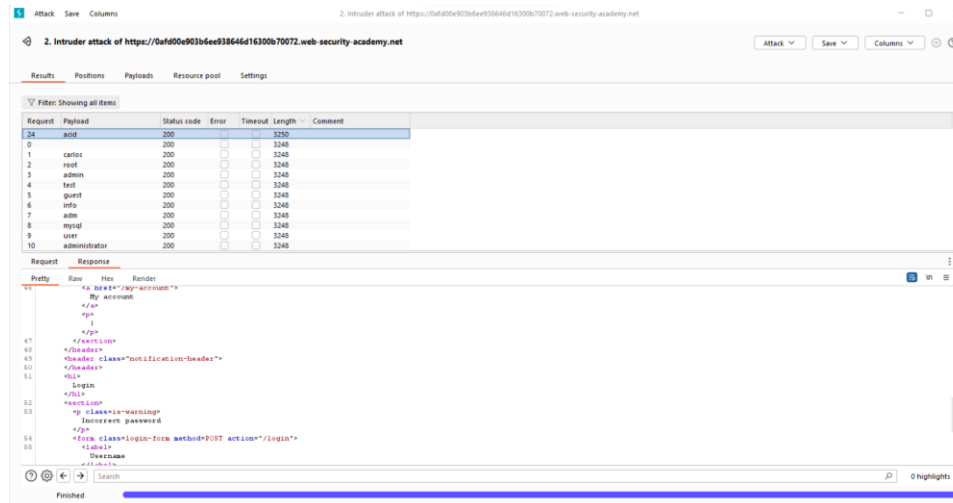
The screenshot displays the Burp Suite Intruder interface. The top menu bar includes Dashboard, Target, Proxy, Intruder, Collaborator, Decoder, Comparer, Repeater, Logger, Organizer, Extensions, and Learn. The main window is divided into several sections:

- Payload sets:** A section for defining payload sets. It includes a dropdown for 'Payload set' (set to 1), a 'Payload count' of 101, and a 'Payload type' of 'Simple list'. A 'Start attack' button is visible in the top right.
- Payload settings (Simple list):** A section for configuring a simple list of strings. It features a list of items: carlos, root, admin, test, guest, info, adm, myrid, and user. Buttons for 'Paste', 'Load', 'Remove', 'Clear', 'Deduplicate', 'Add', and 'Add from list' are present.
- Payload processing:** A section for defining rules to perform various processing tasks on each payload before it is used. It includes buttons for 'Add', 'Edit', 'Remove', 'Up', and 'Down'.

The bottom section shows the 'Attack' tab with a title '2. Intruder attack of https://0af00e93b6ee93844d16300b70072.web-security-academy.net'. Below this, the 'Results' tab is active, displaying a table of attack results:

Requ...	Payload	Status code	Error	Timeout	Length	Comment
0		200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
1	carlos	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
2	root	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
3	admin	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
4	test	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
5	guest	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
6	info	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
7	adm	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
8	myrid	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
9	user	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
10	administrator	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	
11	oracle	200	<input type="checkbox"/>	<input type="checkbox"/>	3248	

At the bottom of the interface, a progress bar is shown, labeled 'Finished'.



- Close the attack and go back to the Positions tab. Click Clear, then change the username parameter to the username you just identified. Add a payload position to the password parameter. The result should look something like this:
-
- `username=identified-user&password=$invalid-password$`
- On the Payloads tab, clear the list of usernames and replace it with the list of candidate passwords. Click Start attack.
- When the attack is finished, look at the Status column. Notice that each request received a response with a 200 status code except for one, which got a 302 response. This suggests that the login attempt was successful - make a note of the password in the Payload column.
- Log in using the username and password that you identified and access the user account page to solve the lab.

Attack
Save
Columns
3. Intruder attack of https://c0af00e903b64ee938646d16300b70072.web-security-academy.net

Attack
Save
Columns

3. Intruder attack of https://c0af00e903b64ee938646d16300b70072.web-security-academy.net

Results
Positions
Payloads
Resource pool
Settings

Filter: Showing all items

Request	Payload	Status code	Error	Timeout	Length	Comment
58	george	302			196	
0		200			3250	
1	123456	200			3250	
2	password	200			3250	
3	12345678	200			3250	
4	qwerty	200			3250	
5	123456789	200			3250	
6	12345	200			3250	
7	1234	200			3250	
8	111111	200			3250	
9	1234567	200			3250	
10	dragon	200			3250	

Request
Response

Pretty
Raw
Hex
Render

```

1 HTTP/2 302 Found
2 Location: /wp-admin/1d4e1d
3 Set-Cookie: session=c7f37d9b148b3e302y127f082a7D; Secure; HttpOnly; SameSite=Strict
4 <?php-?>123456789
5 Content-Length: 0
6
7

```

[illegible]