

THM__BurpSuiteVIPRoom

<https://tryhackme.com/room/rpburpsuite>

This report starts in the middle of the room, having done Task 1-6 yesterday. Also, I was already familiar with the content covered yesterday, so I am hoping today's content has some learning opportunities. Either way, I'm happy for the practice.

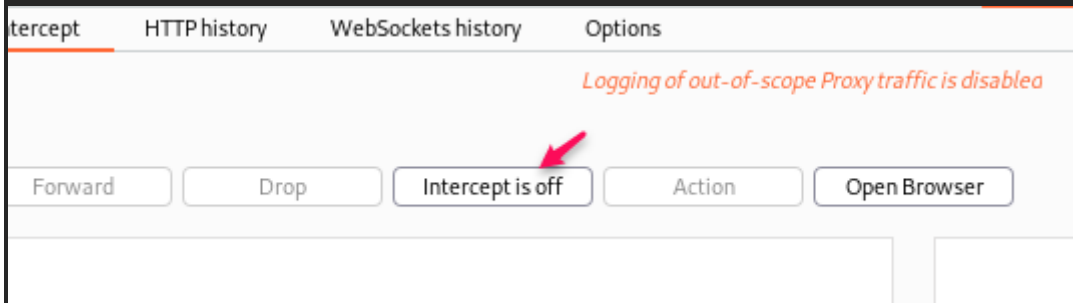
TASK 7: Target Definition

When starting a web application test, you'll very likely be provided a few things:

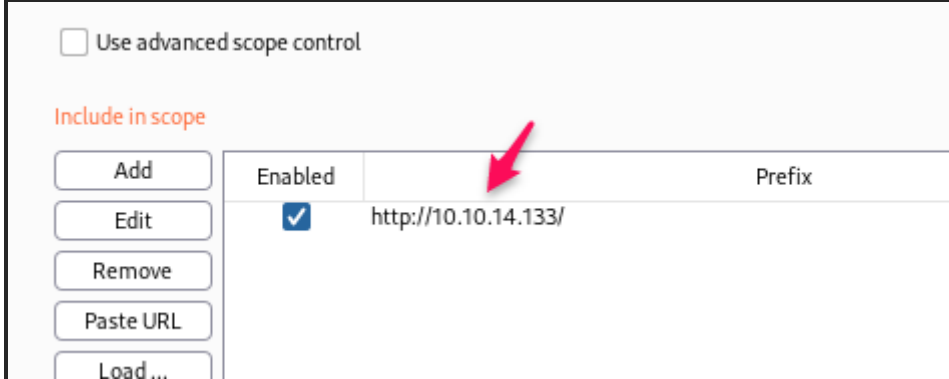
- The application URL (hopefully for dev/test and not prod)
- A list of the different user roles within the application
- Various test accounts and associated credentials for those accounts
- A list of pieces/forms in the application which are out-of-scope for testing and should be avoided

Answer the questions below

Before leaving the Proxy tab, switch Intercept to disabled. We'll still see the pages we navigate to in our history and the target tab, just having Intercept constantly stopping our requests for this next bit will get old fast.



Navigate to the Target tab in Burp. In our last task, Proxy, we browsed to the website on our target machine (in this case OWASP Juice Shop). Find our target site in this list and right-click on it. Select 'Add to scope'.



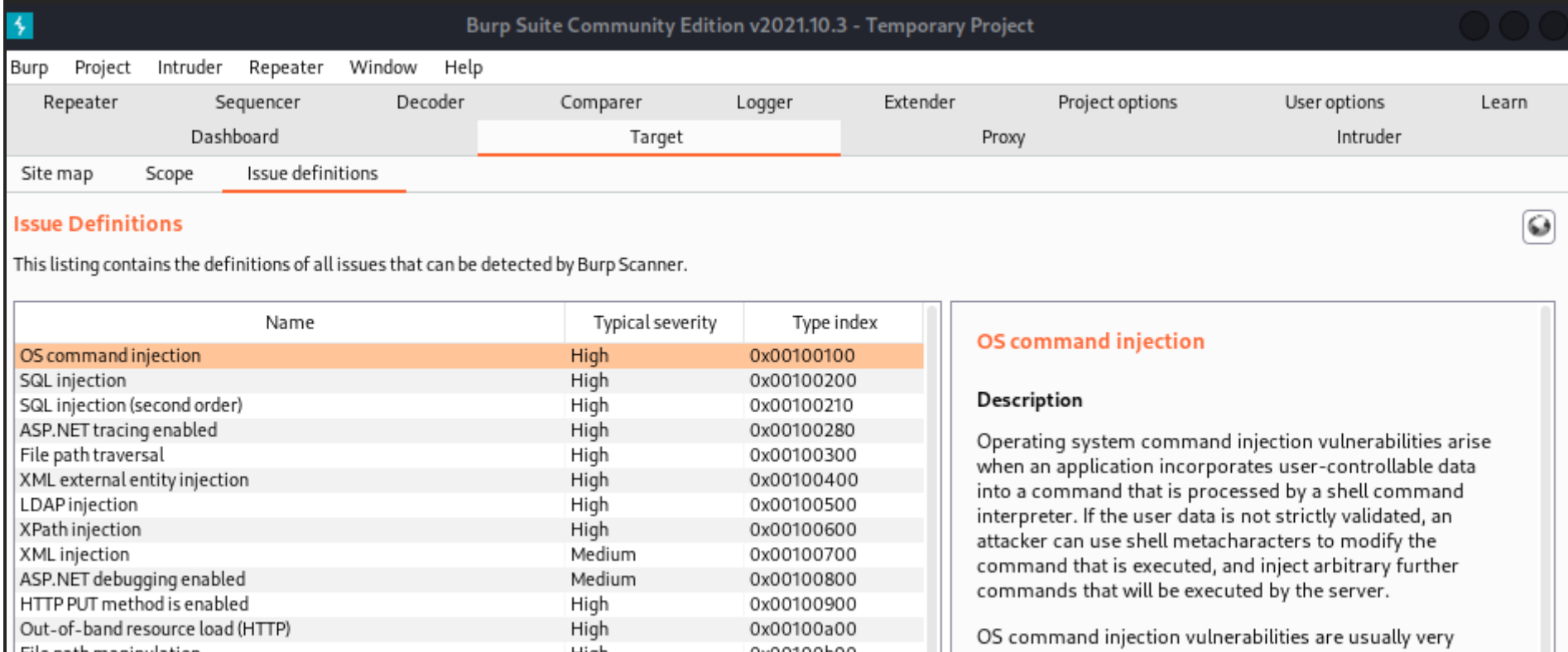
Browse around the rest of the application to build out our page structure in the target tab. Once you've visited most of the pages of the site return to Burp Suite and expand the various levels of the application directory. What do we call this representation of the collective web application?

site map

What is the term for browsing the application as a normal user prior to examining it further?

happy path

One last thing before moving on. Within the target tab, you may have noticed a sub-tab for issue definitions. Click into that now.



File path manipulation	High	0x00100b00
PHP code injection	High	0x00100c00
Server-side JavaScript code injection	High	0x00100d00
Perl code injection	High	0x00100e00
Ruby code injection	High	0x00100f00
Python code injection	High	0x00100f10
Expression Language injection	High	0x00100f20
Unidentified code injection	High	0x00101000
Server-side template injection	High	0x00101080
SSI injection	High	0x00101100
Cross-site scripting (stored)	High	0x00200100
HTTP request smuggling	High	0x00200140
Web cache poisoning	High	0x00200180
HTTP response header injection	High	0x00200200
Cross-site scripting (reflected)	High	0x00200300
Client-side template injection	High	0x00200308
Cross-site scripting (DOM-based)	High	0x00200310
Cross-site scripting (reflected DOM-based)	High	0x00200311
Cross-site scripting (stored DOM-based)	High	0x00200312
JavaScript injection (DOM-based)	High	0x00200320
JavaScript injection (reflected DOM-based)	High	0x00200321
JavaScript injection (stored DOM-based)	High	0x00200322
Path-relative style sheet import	Information	0x00200328
Client-side SQL injection (DOM-based)	High	0x00200330
Client-side SQL injection (reflected DOM-based)	High	0x00200331
Client-side SQL injection (stored DOM-based)	High	0x00200332
WebSocket URL poisoning (DOM-based)	High	0x00200340
WebSocket URL poisoning (reflected DOM-based)	High	0x00200341
WebSocket URL poisoning (stored DOM-based)	High	0x00200342
Local file path manipulation (DOM-based)	High	0x00200350
Local file path manipulation (reflected DOM-based)	High	0x00200351
Local file path manipulation (stored DOM-based)	High	0x00200352
Client-side XPath injection (DOM-based)	Low	0x00200360
Client-side XPath injection (reflected DOM-based)	Low	0x00200361
Client-side XPath injection (stored DOM-based)	Low	0x00200362
Client-side JSON injection (DOM-based)	Low	0x00200370
Client-side JSON injection (reflected DOM-based)	Low	0x00200371
Client-side JSON injection (stored DOM-based)	Low	0x00200372
Flash cross-domain policy	High	0x00200400
Silverlight cross-domain policy	High	0x00200500
Cross-origin resource sharing	Information	0x00200600
Cross-origin resource sharing: arbitrary origin trusted	High	0x00200601
Cross-origin resource sharing: unencrypted origin trusted	Low	0x00200602
Cross-origin resource sharing: all subdomains trusted	Low	0x00200603
Cross-site request forgery	Medium	0x00200700
SMTP header injection	Medium	0x00200800
Cleartext submission of password	High	0x00300100
External service interaction (DNS)	High	0x00300200
External service interaction (HTTP)	High	0x00300210
External service interaction (SMTP)	Information	0x00300220
Referer-dependent response	Information	0x00400100
Spoofable client IP address	Information	0x00400110
User agent-dependent response	Information	0x00400120

serious and may lead to compromise of the server hosting the application, or of the application's own data and functionality. It may also be possible to use the server as a platform for attacks against other systems. The exact potential for exploitation depends upon the security context in which the command is executed, and the privileges that this context has regarding sensitive resources on the server.

Remediation

If possible, applications should avoid incorporating user-controllable data into operating system commands. In almost every situation, there are safer alternative methods of performing server-level tasks, which cannot be manipulated to perform additional commands than the one intended.

If it is considered unavoidable to incorporate user-supplied data into operating system commands, the following two layers of defense should be used to prevent attacks:

- The user data should be strictly validated. Ideally, a whitelist of specific accepted values should be used. Otherwise, only short alphanumeric strings should be accepted. Input containing any other data, including any conceivable shell metacharacter or whitespace, should be rejected.
- The application should use command APIs that launch a specific process via its name and command-line parameters, rather than passing a command string to a shell interpreter that supports command chaining and redirection. For example, the Java API Runtime.exec and the ASP.NET API Process.Start do not support shell metacharacters. This defense can mitigate the impact of an attack even in the event that an attacker circumvents the input validation defenses.

References

- [Web Security Academy: OS command injection](#)

Vulnerability classifications

- [CWE-77: Improper Neutralization of Special Elements used in a Command \('Command Injection'\)](#)
- [CWE-78: Improper Neutralization of Special Elements used in an OS Command \('OS](#)

The issue definitions found here are how Burp Suite defines issues within reporting. While getting started, these issue definitions can be particularly helpful for understanding and categorizing various findings we might have. Which poisoning issue arises when an application behind a cache process input that is not included in the cache key?

web cache poisoning

Name	Typical severity	Type index
OS command injection	High	0x00100100
SQL injection	High	0x00100200
SQL injection (second order)	High	0x00100210
ASP.NET tracing enabled	High	0x00100280
File path traversal	High	0x00100300
XML external entity injection	High	0x00100400
LDAP injection	High	0x00100500
XPath injection	High	0x00100600
XML injection	Medium	0x00100700
ASP.NET debugging enabled	Medium	0x00100800
HTTP PUT method is enabled	High	0x00100900
Out-of-band resource load (HTTP)	High	0x00100a00
File path manipulation	High	0x00100b00
PHP code injection	High	0x00100c00
Server-side JavaScript code injection	High	0x00100d00
Perl code injection	High	0x00100e00
Ruby code injection	High	0x00100f00
Python code injection	High	0x00100f10
Expression Language injection	High	0x00100f20
Unidentified code injection	High	0x00101000
Server-side template injection	High	0x00101080
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Web cache poisoning

Description

Web caches identify resources using a few specific components of each HTTP request, together known as the cache key. Two requests with the same cache key are regarded by the cache as equivalent.

Web cache poisoning vulnerabilities arise when an application behind a cache processes input that is not included in the cache key. Attackers can exploit this by sending crafted input to trigger a harmful response that the cache will then save and serve to other users.

The impact is potentially serious as the malicious cached page may be served to a large number of users without other interaction. The threat posed by this vulnerability depends largely on what can be achieved with the input. Often the input is vulnerable to XSS, or can be used to trigger a redirect to another domain. Other times, it can simply be used to swap pages around.

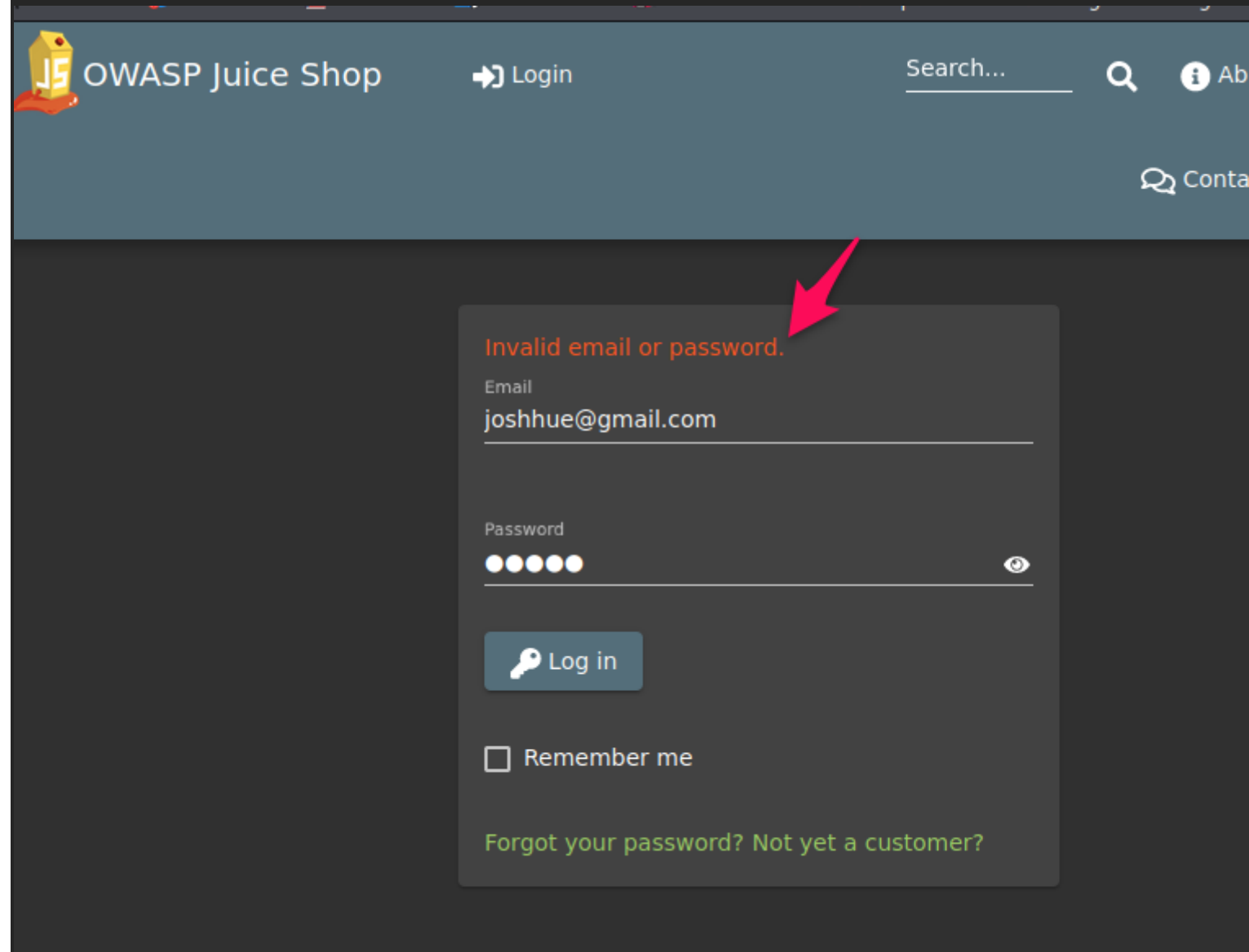
Remediation

To resolve this issue, either disable support for the affected input, or disable caching on all affected pages.

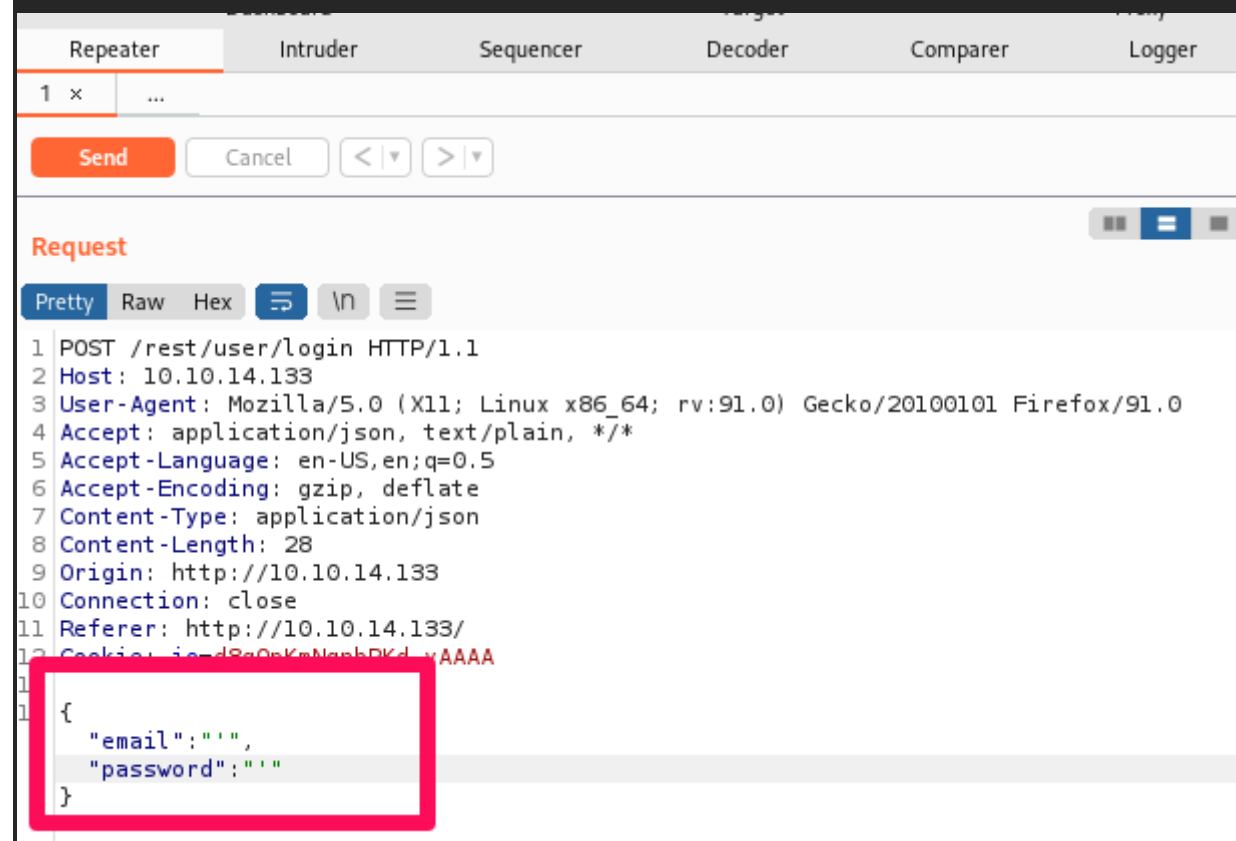
If both the affected input and caching behavior are required, configure the cache to ensure that the input is included in the cache key. Depending on which caching solution you use, if the input is in a request header it might be possible to achieve this using the Vary response header.

Task 8: Puttin' it on Repeat[er]

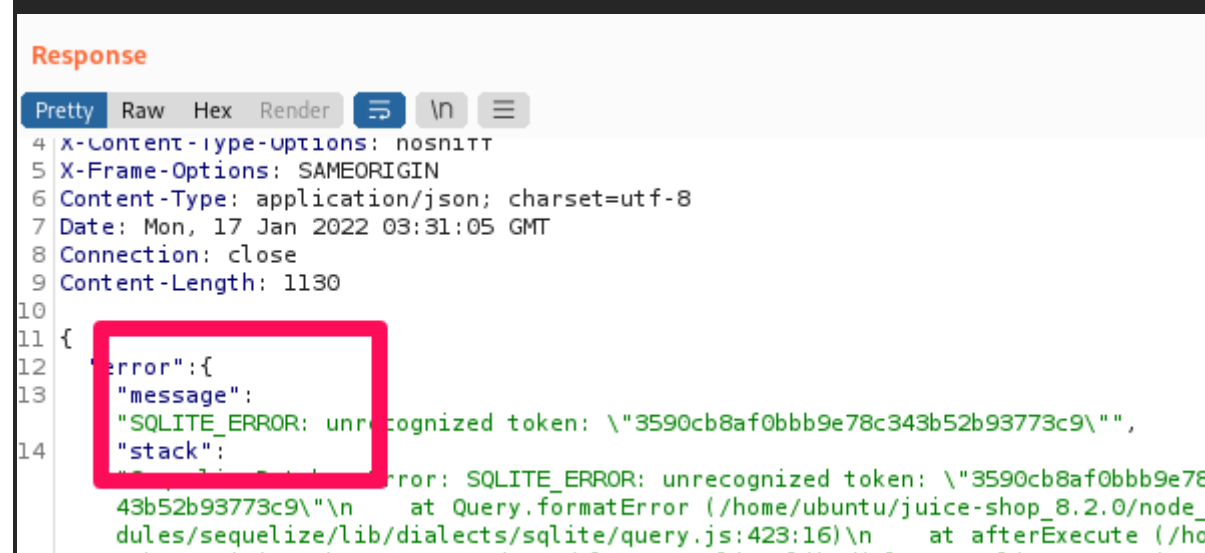
Try logging in with invalid credentials. What error is generated when login fails?



Now that we've sent the request to Repeater, let's try adjusting the request such that we are sending a single quote (') as both the email and password. What error is generated from this request?



SQLITE_ERROR



I was not able to complete the rest of TASK 8 because the version of Juice Shop did not allow.

TASK 9: Help! There's an Intruder!

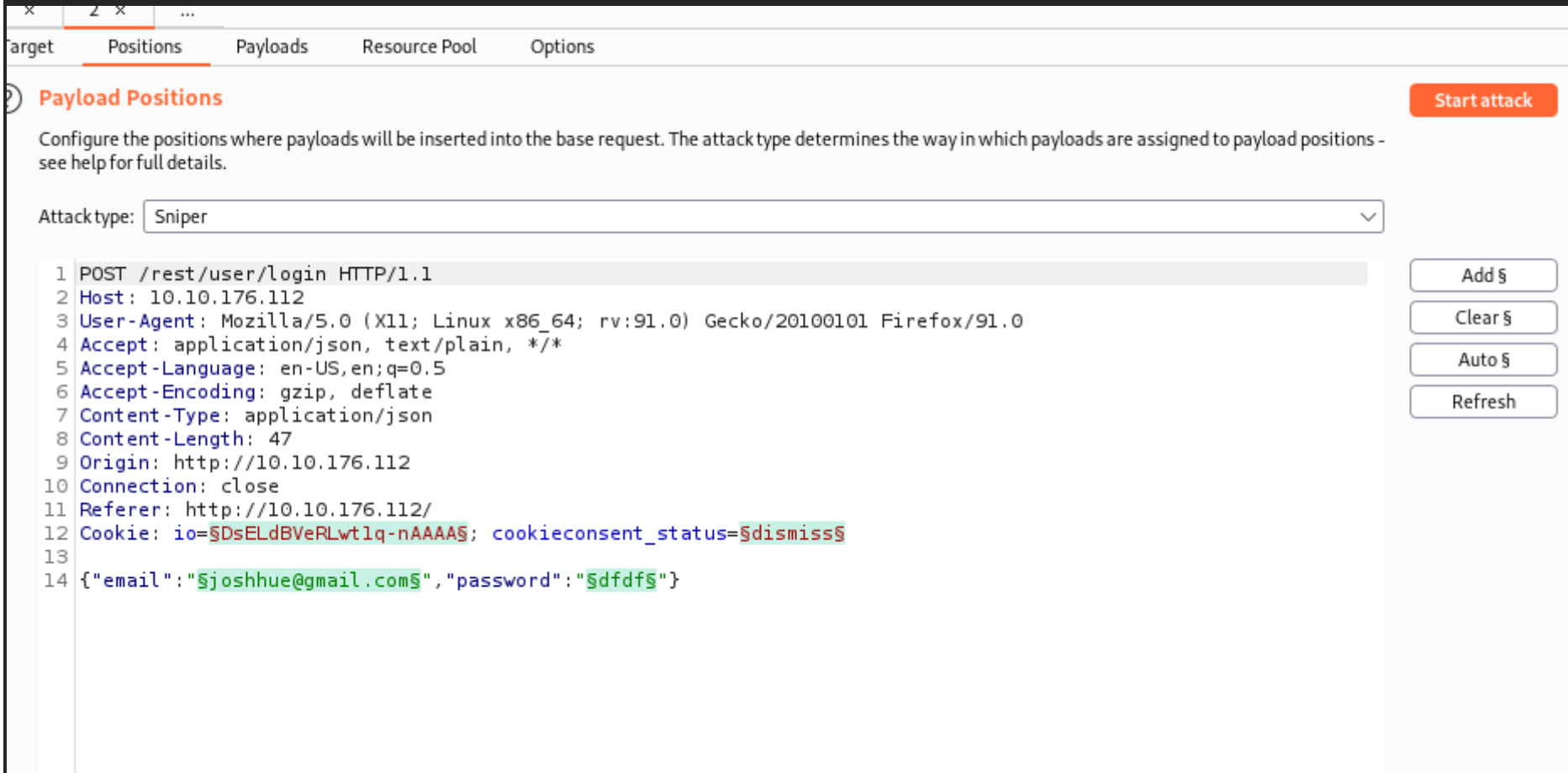
While Repeater best handles experimentation or one-off testing, Intruder is meant for repeat testing once a proof of concept has been established. Per the [Burp Suite documentation](#), some common uses are as follows:

- Enumerating identifiers such as usernames, cycling through predictable session/password recovery tokens, and attempting simple password guessing
- Harvesting useful data from user profiles or other pages of interest via grepping our responses
- Fuzzing for vulnerabilities such as SQL injection, cross-site scripting (XSS), and file path traversal

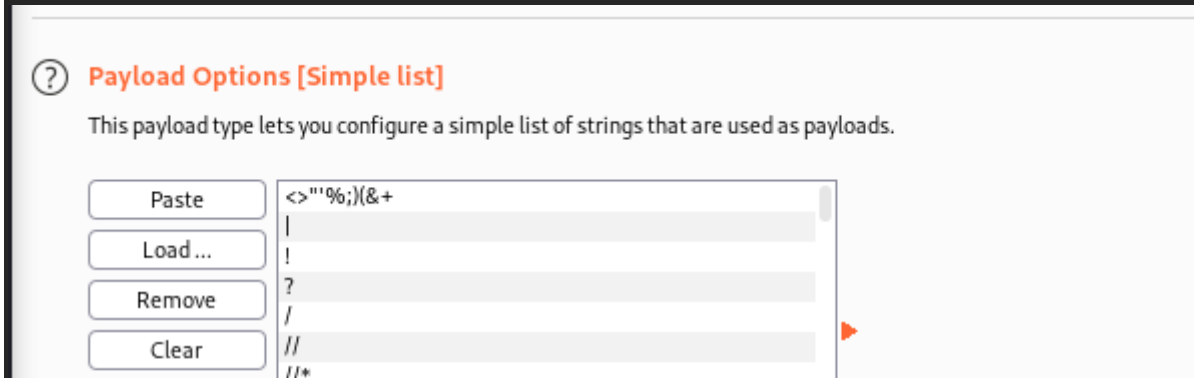
To accomplish these various use cases, Intruder has [four](#) different attack types:

1. *Sniper* - The most popular attack type, this cycles through our selected positions, putting the next available payload (item from our wordlist) in each position in turn. This uses only one set of payloads (one wordlist). --1 wordlist for EITHER username and password
2. *Battering Ram* - Similar to Sniper, Battering Ram uses only one set of payloads. Unlike Sniper, Battering Ram puts every payload into every selected position. Think about how a battering ram makes contact across a large surface with a single surface, hence the name battering ram for this attack type. --1 wordlist for BOTH username and password
3. *Pitchfork* - The Pitchfork attack type allows us to use multiple payload sets (one per position selected) and iterate through both payload sets *simultaneously*. For example, if we selected two positions (say a username field and a password field), we can provide a username and password payload list. Intruder will then cycle through the combinations of usernames and passwords, resulting in a total number of combinations equalling the smallest payload set provided. --2 wordlist, usernames and passwords are combined line-by-line
4. *Cluster Bomb* - The Cluster Bomb attack type allows us to use multiple payload sets (one per position selected) and iterate through all combinations of the payload lists we provide. For example, if we selected two positions (say a username field and a password field), we can provide a username and password payload list. Intruder will then cycle through the combinations of usernames and passwords, resulting in a total number of combinations equalling usernames x passwords. *Do note, this can get pretty lengthy if you are using the community edition of Burp.* --2 wordlist, each line in username is tried with each line in passwords

USING Intruder/positions/SNIPER



Under PAYLOADS



Deduplicate

--

1 or 1=1

Add

Enter a new item

Add from list ... [Pro version only]

Almost there! Scroll down and uncheck 'URL-encode these characters'. We don't want to have the characters sent in our payloads to be encoded as they otherwise won't be recognized by SQL.

Finally, click 'Start attack'. What is the first payload that returns a 200 status code, showing that we have successfully bypassed authentication?

a' or 1=1--

2. Intruder attack of 10.10.176.112 - Temporary attack - Not saved to project file

Attack	Save	Columns				
Results	Target	Positions	Payloads	Resource Pool	Options	
Filter: Showing all items						
Request	Payload	Status	Error	Timeout	Length	Comment
20	%21	401			330	
21	23 OR 1=1	401			330	
22	%26	401			330	
23	%27%20or%201=1	401			330	
24	%28	401			330	
25	%29	401			330	
26	%2A%28%7C%28mail%3D%2...	401			330	
27	%2A%28%7C%28objectclass%	401			330	
28	%2A%7C	401			330	
29	6	401			330	
30	' '6	401			330	
31	(6)	401			330	
32	%7C	401			330	
33	a'	500			1411	
34	admin' or '	401			330	
35	' and 1=(if((load_file(char(110,46,...	500			1545	
36	' and 1 in (select var from temp)--	500			1438	
37	anything' OR 'x'='x	401			330	
38	"a"" or 1=1--"	500			1667	
39	a' or 1=1--	200			1001	
40	"a"" or 3=3--"	500			1667	
41	a' or 3=3--	200			1001	
42	a' or 'a'='a	401			330	
43	'%20OR	401			330	
44	' having 1=1--	500			1423	
45	hi or 1=1 --"	500			1665	
46	hi' or 1=1 --	200			1001	
47	"hi"" or ("a""="a"	500			1667	
48	hi or a=a	401			330	

Request

Response

66 of 83

Task 10: As it turns out the machines are better at math than us

While not as commonly used in a practice environment, **Sequencer** represents a core tool in a proper web application pentest. Burp's Sequencer, [per the Burp documentation](#), is a tool for analyzing the quality of randomness in an application's sessions tokens and other important data items that are otherwise intended to be unpredictable. Some commonly analyzed items include:

- Session tokens
- Anti-CSRF (Cross-Site Request Forgery) tokens
- Password reset tokens (sent with password resets that in theory uniquely tie users with their password reset requests)
-

In HTTP history: We're going to dig for a **response** which issues a cookie. Parse through the various responses we've received from Juice Shop until you find one that includes a 'Set-Cookie' header.

Intercept	HTTP history	WebSockets history	Options							
Filter: Hiding CSS, image and general binary content										
# ^	Host	Method	URL	Params	Edited	Status	Length	MIME type	Extension	
113	http://10.10.176.112	GET	/			200	2004	HTML		OWA
114	http://10.10.176.112	GET	/runtime.js			200	1836	script	js	
115	http://10.10.176.112	GET	/polyfills.js			200	80237	script	js	
117	http://10.10.176.112	GET	/vendor.js			304	334	script	js	
118	http://10.10.176.112	GET	/main.js			304	333	script	js	
119	https://cdnjs.cloudflare.com	GET	/ajax/libs/cookieconsent2/3.1.0/cookieconsent.min.js			200	21962	script	js	
121	http://10.10.176.112	GET	/rest/admin/application-configuration			200	9556	JSON		
122	http://10.10.176.112	GET	/assets/i18n/en.json			200	8716	JSON	json	
123	http://10.10.176.112	GET	/socket.io/?EIO=3&transport=polling&t=Nvd6yfo	✓		200	327	JSON	io/	

124 http://10.10.176.112 GET /rest/admin/application-configuration 200 9556 JSON

125 http://10.10.176.112 GET /rest/admin/application-version 200 320 JSON

126 http://10.10.176.112 GET /rest/admin/application-configuration 200 9556 JSON

127 http://10.10.176.112 GET /rest/admin/application-configuration 200 9556 JSON

128 http://10.10.176.112 GET /api/Challenges/?name=Score%20Board ✓ 200 901 JSON

130 http://10.10.176.112 GET /rest/product/search?q= ✓ 200 9444 JSON

131 http://10.10.176.112 GET /gb.svg 200 1166 XML svg

132 http://10.10.176.112 GET /us.svg 200 4293 XML svg

133 http://10.10.176.112 GET /socket.io/?EIO=3&transport=polling&t=Nvd6z5A&si... ✓ 200 225 text io/

Request

Pretty Raw Hex ↵ ↶ ⋮

1 GET /socket.io/?EIO=3&transport=polling&t=Nvd6yfo HTTP/1.1

2 Host: 10.10.176.112

3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:91.0) Gecko/20100101 Firefox/91.0

4 Accept: */*

5 Accept-Language: en-US,en;q=0.5

6 Accept-Encoding: gzip, deflate

7 Connection: close

8 Referer: http://10.10.176.112/

9 Cookie: io=DsELdBVeRLwt1q-nAAAA; cookieconsent_status=dismiss; continueCode=YlaOmorVJkZl vEzqep83Nw5R7Wj ADYhDd2g4 ny01MxXQKbamYDP9L6BbLk8E

10

11

Response

Pretty Raw Hex Render ↵ ↶ ⋮

1 HTTP/1.1 200 OK

2 Content-Type: text/plain; charset=UTF-8

3 Content-Length: 103

4 Access-Control-Allow-Origin: *

5 Set-Cookie: io=SnACDgokv3dmj0M9AAAC; Path=/; HttpOnly

6 Date: Mon, 17 Jan 2022 08:16:29 GMT

7 Connection: close

8

9 96:0{"sid":"SnACDgokv3dmj0M9AAAC","upgrades":["websocket"],"pingInterval":25000,"pingTimeout":5000}2:40

⋮

INSPECTOR

Request Attributes

Query Parameters (3)

Request Cookies (3)

Request Headers (8)

Response Headers (6)

NAME	VALUE	
Content-Type	text/plain; charset=UTF-8	>
Content-Length	103	>
Access-Control-Allow-O...	*	>
Set-Cookie	io=SnACDgokv3dmj0M9...	>
Date	Mon, 17 Jan 2022 08:16:2...	>
Connection	close	>

Start Live Capture

Burp Sequencer [live capture #3: http://10.10.176.112]

Live capture (210 tokens)

Pause

Copy tokens

Auto analyze (next: 300)

Requests: 210

Stop

Save tokens

Analyze now

Errors: 0

Summary

Character-level analysis

Bit-level analysis

Analysis Options

Results

Burp Sequencer [live capture #3: http://10.10.176.112]

Live capture (paused)

Resume

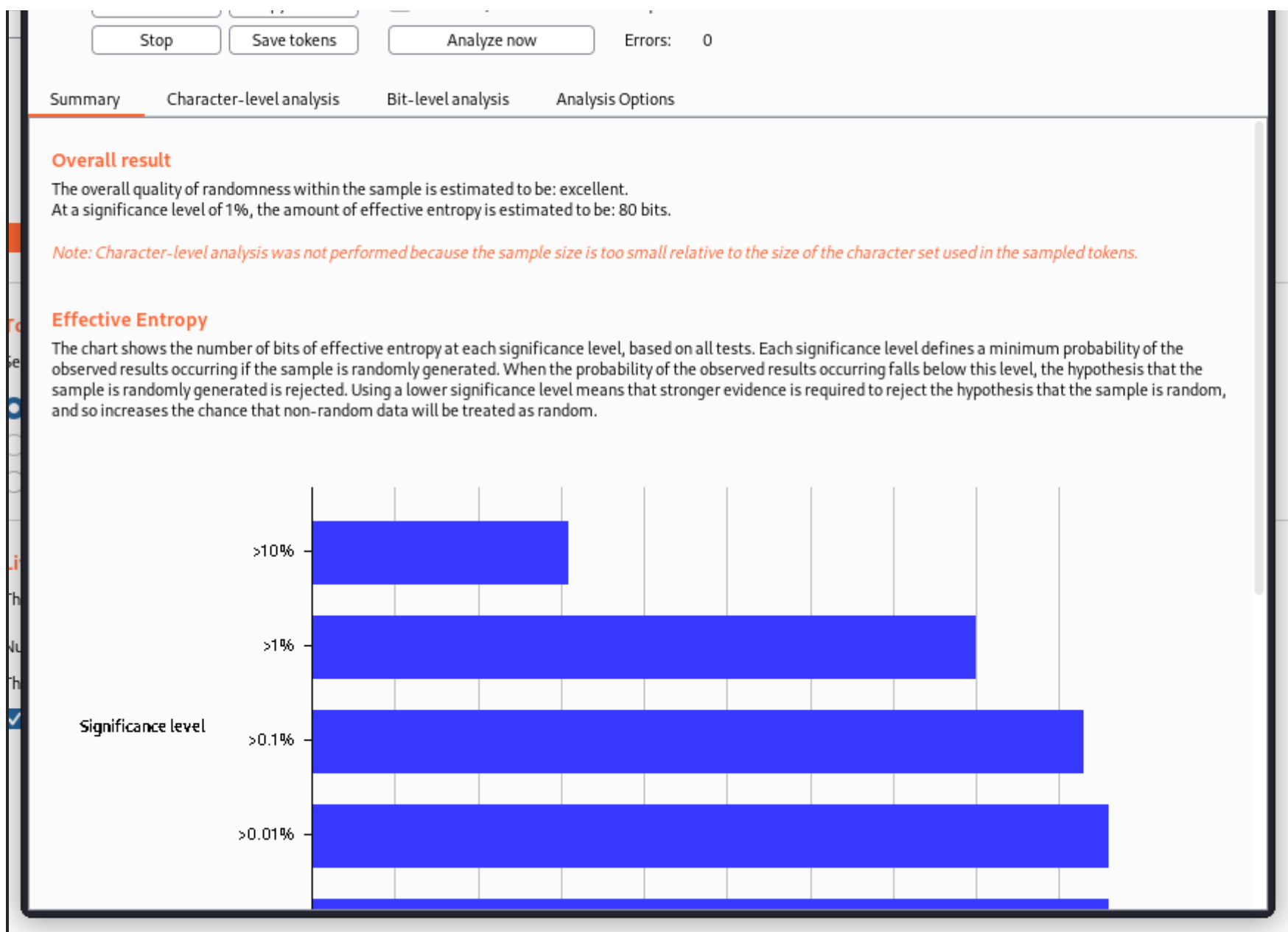
Copy tokens

Auto analyze (next: 1500)

Requests: 1132

https://www.evernote.com/client/web/#?n=bbe9a323-38c9-fd88-d40d-8902c2ed85e8&query=view%3ASE%1Eburp suite&

6/12



In order to find the usable bits of entropy we often have to make some adjustments to have a normalized dataset. What item is converted in this process?

I guessed "token" and was right!

Task 11 Decoder and Comparer

Decoder and Comparer, while lesser tools within Burp Suite, are still essential to understand and leverage as part of being a proficient web app tester. As the name suggests, Decoder is a tool that allows us to perform various transforms on pieces of data. These transforms vary from decoding/encoding to various bases or URL encoding. We chain these transforms together and Decoder will automatically spawn an additional tier each time we select a decoder, encoder, or hash. *This tool ultimately functions very similarly to [CyberChef](#), albeit slightly less powerful.*

Similarly, Comparer, as you might have guessed is a tool we can use to compare different responses or other pieces of data such as site maps or proxy histories (awesome for access control issue testing). This is very similar to the Linux tool diff.

Per the Burp [documentation](#), some common uses for Comparer are as follows:

- **When looking for username enumeration conditions, you can compare responses to failed logins using valid and invalid usernames, looking for subtle differences in responses. This is also sometimes useful for when enumerating password recovery forms or another similar recovery/account access mechanism.**
- When an Intruder attack has resulted in some very large responses with different lengths than the base response, you can compare these to quickly see where the differences lie.
- When comparing the site maps or Proxy history entries generated by different types of users, you can compare pairs of similar requests to see where the differences lie that give rise to different application behavior. This may reveal possible access control issues in the application wherein lower privileged users can access pages they really shouldn't be able to.
- When testing for blind SQL injection bugs using Boolean condition injection and other similar tests, you can compare two responses to see whether injecting different conditions has resulted in a relevant difference in responses.

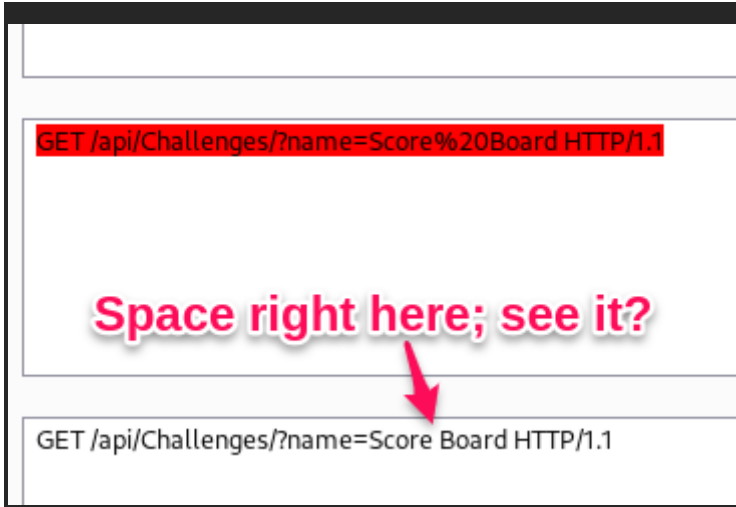
**These examples are taken nearly in their entirety from the Burp docs simply to provide a broader set of examples to consider when using Comparer.*

Answer the questions below

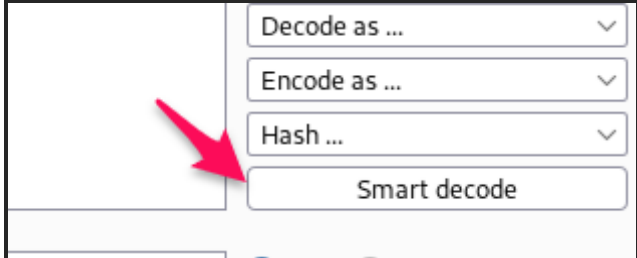
- Let's first take a look at decoder by revisiting an old friend. Previously we discovered the scoreboard within the site JavaScript. Return to our target tab and find the API endpoint highlighted in the following request:
- Copy the first line of that request and paste it into Decoder. Next, select 'Decode as ...' URL

What character does the %20 in the request we copied into Decoder decode as?

space



Similar to CyberChef, Decoder also has a 'Magic' mode where it will automatically attempt to decode the input it is provided. What is this mode called?
smart decode



What can we load into Comparer to see differences in what various user roles can access? This is very useful to check for access control issues.
site maps

Host	Method	URL	Params	Status ^	Length	MIME type	Title	Comment	Time requested
http://10.10.117.84	GET	/socket.io/?EIO=3&transp...	✓	101	129				14:33:00 9 Fe...
http://10.10.117.84	GET	/socket.io/?EIO=3&transp...	✓	101	129				14:32:42 9 Fe...
http://10.10.117.84	GET	/		200	2004	HTML	OWASP Juice Shop		14:32:54 9 Fe...
http://10.10.117.84	GET	/api/Challenges/		200	44278	JSON			14:34:03 9 Fe...
http://10.10.117.84	GET	/api/Challenges/?name=...	✓	200	900	JSON			14:34:03 9 Fe...
http://10.10.117.84	GET	/assets/i18n/en.json		200	8716	JSON			14:33:00 9 Fe...
http://10.10.117.84	GET	/gb.svg		200	1166	XML			14:33:00 9 Fe...
http://10.10.117.84	GET	/main.js		200	494895	script			14:32:56 9 Fe...
http://10.10.117.84	GET	/polyfills.js		200	80237	script			14:32:55 9 Fe...
http://10.10.117.84	GET	/rest/admin/application-...		200	320	JSON			14:33:00 9 Fe...
http://10.10.117.84	GET	/rest/continue-code		200	380	JSON			14:34:03 9 Fe...
http://10.10.117.84	GET	/rest/product/search?q=	✓	200	9444	JSON			14:33:00 9 Fe...
http://10.10.117.84	GET	/runtime.js		200	1836	script			14:32:54 9 Fe...
http://10.10.117.84	GET	/socket.io/?EIO=3&transp...	✓	200	327	JSON			14:32:39 9 Fe...
http://10.10.117.84	GET	/socket.io/?EIO=3&transp...	✓	200	225	text			14:32:43 9 Fe...
http://10.10.117.84	GET	/socket.io/?EIO=3&transp...	✓	200	327	JSON			14:33:00 9 Fe...
http://10.10.117.84	GET	/socket.io/?EIO=3&transp...	✓	200	225	text			14:33:01 9 Fe...
http://10.10.117.84	GET	/us.svg		200	4293	XML			14:33:00 9 Fe...
http://10.10.117.84	GET	/vendor.js		200	1449749	script			14:32:59 9 Fe...
http://10.10.117.84	GET	/rest/admin/application-...		304	246	JSON			14:34:02 9 Fe...
http://10.10.117.84	GET	/favicon.ico							
http://10.10.117.84	GET	/rest/product/search							
http://10.10.117.84	GET	/socket.io/							

juice shop site map

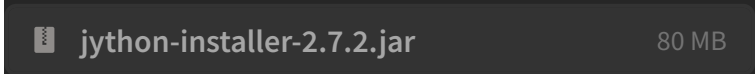
Comparer can perform a diff against two different metrics, which one allows us to examine the data loaded in as-is rather than breaking it down into bytes?
words

Task 12 Installing some Mods [Extender]

Similar to adding mods to a game like Minecraft, Extender allows us to add components such as tool integrations, additional scan definitions, and more! Here are some of the most popular extensions I suggest checking out (not all of these are free but I suggest looking into them all the same):

- [Logger++](#)- Adds enhanced logging to all requests and responses from all Burp Suite tools, enable this one before you need it ;)--**THIS HAS GREP!!!!**
- [HTTP Request Smuggler](#)- A relatively new extension, this allows you to attempt to smuggle requests to backend servers. See this talk by James Kettle for more details: <https://portswigger.net/bappstore/aaaa60ef945341e8a450217a54a11646>
This looks fun^
- [Authorize](#)- Useful for authentication testing in web app tests. These tests typically revolve around navigating to restricted pages or issuing restricted GET requests with the session cookies of low-privileged users

Needs jython



? Settings

These settings control how Burp handles extensions on startup.

- ☒ Automatically reload extensions on startup
- ☒ Automatically update installed BApps on startup

? Java Environment

These settings let you configure the environment for executing extensions that are written in Java. If your extensions use any libraries,

Folder for loading library JAR files (optional):

? Python Environment

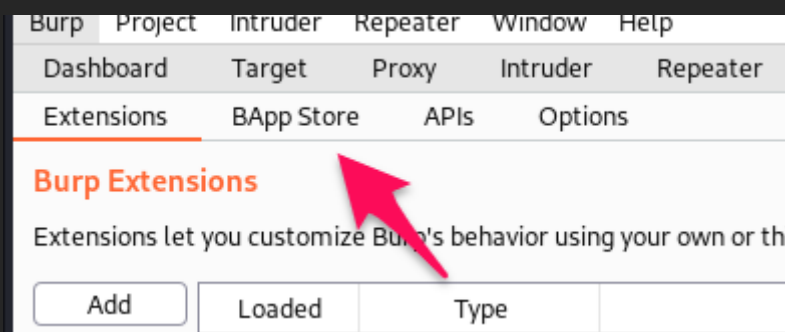
These settings let you configure the environment for executing extensions that are written in Python. To use Python extensions, you will need to install Jython.

Location of Jython standalone JAR file:

Folder for loading modules (optional):

**Complete installation took me about ten minutes
as I was unfamiliar with this process**

- [Burp Teams Server](#) - Allows for collaboration on a Burp project amongst team members. Project details are shared in a chatroom-like format
I don't see "Teams" and there isn't a search.
<https://github.com/Static-Flow/BurpSuite-Team-Extension>
If I ever need this, I will install
- [Retire.js](#) - Adds scanner checks for outdated JavaScript libraries that contain vulnerabilities, this is a premium extension--**Pro only**
- [J2EEScan](#) - Adds scanner test coverage for J2EE (java platform for web development) applications, this is a premium extension--**Pro**
- [Request Timer](#) - Captures response times for requests made by all Burp tools, useful for discovering timing attack vectors



BApp Store

The BApp Store contains Burp extensions that have been written by users of Burp Suite, to extend Burp's capabilities.

Name	Installed ▾	Rating	Popularity	Last updated	Detail
Authorize	✓	☆☆☆☆☆	—	01 Oct 2021	
HTTP Request Smuggler	✓	☆☆☆☆☆	—	05 Oct 2021	
Logger++	✓	☆☆☆☆☆	—	04 Feb 2022	
Request Timer	✓	☆☆☆☆☆	—	09 Nov 2017	

I installed these 4

Which extension allows us too bookmark various requests?

bookmarks

Bookmarks

This extension allows you to bookmark requests for later.

Features:

- Save requests to table
- Repeat requests directly from the [^] tab (and save to table)

- Highlight bookmarked requests in Proxy History
- Send to Repeater with tabs labeled with response titles
- Load highlighted requests from existing Proxy History
- Search bookmarks

Usage

Add bookmark

1. Select and right click on request(s)
2. Select add bookmark(s) [^]
3. Requests will be added to the [^] tab.

Repeat requests

1. Edit request (left)
2. Click the Repeat Request button
3. Response (right) will be updated

* If the "Add repeated request to table" checkbox is checked, requests will be added to the table

Author: Caleb Kinney

Version: 0.4.9

Source: <https://github.com/portswigger/bookmarks>

Updated: 21 May 2020

Rating:

☆☆☆☆☆

Submit rating

Popularity:

Reinstall

I added "Bookmarks" too

Task 13 But wait, there's more!

Download Task Files

Before we conclude, let's take a quick look into the features that Burp Suite Professional offers: The Burp Suite Scanner and Collaborator Client!

📎

juiceshop-report.html

392 kB

Download the report attached to this task. What is the only critical issue?

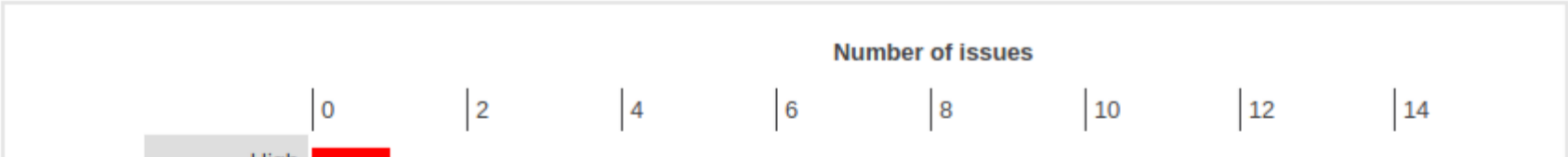
Cross-origin resource sharing: arbitrary origin trusted

Summary

The table below shows the numbers of issues identified in different categories. Issues are classified according to severity as High, Medium, Low or Information. The number in the 'Total' column reflects the likely impact of each issue for a typical organization. Issues are also classified according to confidence as Certain, Firm or Tentative. This reflects the inherent reliability of the technique that was used to identify the issue.

		Confidence			Total
		Certain	Firm	Tentative	
Severity	High	1	0	0	1
	Medium	0	0	0	0
	Low	12	2	1	15
	Information	99	0	1	100

The chart below shows the aggregated numbers of issues identified in each category. Solid colored bars represent issues with a confidence level of Certain, bars fade as the confidence level falls.



Severity

High

Medium

Low

Contents

1. Cross-origin resource sharing: arbitrary origin trusted

1.1. https://ds-juiceshop.herokuapp.com/socket.io/

1.2. https://ds-juiceshop.herokuapp.com/

1.3. https://ds-juiceshop.herokuapp.com/api/Challenges/

1.4. https://ds-juiceshop.herokuapp.com/api/Quantities/

1.5. https://ds-juiceshop.herokuapp.com/assets/i18n/en.json

1.6. https://ds-juiceshop.herokuapp.com/assets/public/favicon_js.ico

1.7. https://ds-juiceshop.herokuapp.com/assets/public/images/products/artwork.jpg

1.8. https://ds-juiceshop.herokuapp.com/assets/public/images/products/banana_juice.jpg

1.9. https://ds-juiceshop.herokuapp.com/assets/public/images/products/carrot_juice.jpeg

1.10. https://ds-juiceshop.herokuapp.com/assets/public/images/products/coaster.png

1.1. https://ds-juiceshop.herokuapp.com/socket.io/

Next

Summary

Severity: High

Confidence: Certain

Host: https://ds-juiceshop.herokuapp.com

Path: /socket.io/

very nessus like

Issue detail

The application implements an HTML5 cross-origin resource sharing (CORS) policy for this request that allows access from any domain.

The application allowed access from the requested origin https://wobvxozegeyeg.com

Since the Vary: Origin header was not present in the response, reverse proxies and intermediate servers may cache it. This may enable an attacker to carry cache poisoning attacks.

Request

GET /socket.io/ HTTP/1.1

Host: ds-juiceshop.herokuapp.com

Accept-Encoding: gzip, deflate

Accept: */*

Accept-Language: en

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/81.0.4044.138 Safari/537.36

Connection: close

Origin: https://wobvxozegeyeg.com

Cookie: io=pBhl45MqHvEiL_reAAAB; language=en; welcomebanner_status=dismiss; continueCode=aj4QDO4KyOqPJ7j2novp9EQ38gYVAJviAM1wWxaIND5reZRLzmXk6BbmzZRB; cookieconsent_status=dismiss

Response

HTTP/1.1 400 Bad Request

Server: Cowboy

Connection: close

Content-Type: application/json

Access-Control-Allow-Credentials: true

Access-Control-Allow-Origin: https://wobvxozegeyeg.com

Date: Sat, 30 May 2020 20:12:16 GMT

Via: 1.1 vegur

Content-Length: 40

{ "code": 0, "message": "Transport unknown" }

1.2. https://ds-juiceshop.herokuapp.com/

How many 'Certain' low issues did Burp find?

12

		Confidence			
		Certain	Firm	Tentative	Total
Severity	High	1	0	0	1
	Medium	0	0	0	0
	Low	12	2	1	15

https://www.evernote.com/client/web#?n=bbe9a323-38c9-fd88-d40d-8902c2ed85e8&query=view%3ASE%1Eburp+suite&

11/12

Information	99	0	1	100

I've done a little of Juice Shop before. I will look at it again soon.