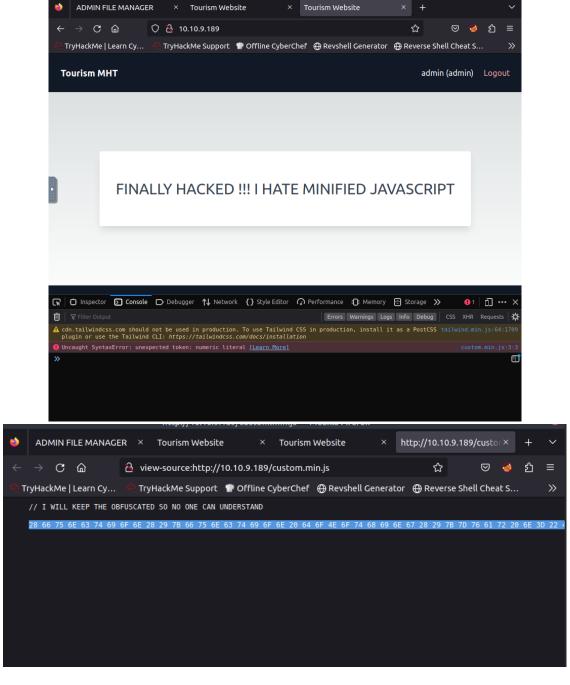
Traverse

Question: What type of encoding is used by the hackers to obfuscate the JavaScript file? Check the Console tab, we see error message of file custom.min.js. Click to read the JS file, we see the type of encoding is used to obfuscate the JS file is HEX.



Answer: Hex

Question: What is the flag value after deobfuscating the file?

Use this <u>online tool</u> to decode this Hex into Text. After decoding, we see that it is a JS code.

Dán văn bản bạn muốn hex giải mã ở đây:

28 66 75 6E 63 74 69 6F 6E 28 29 7B 66 75 6E 63 74 69 6F 6E 20 64 6F 4E 6F 74 68 69 6E 67 28 29 7B 7D 76 61 72 20 6E 3D 22 44 49 52 45 43 54 4F 52 59 22 3B 76 61 72 20 65 3D 22 4C 49 53 54 49 4E 47 22 3B 76 61 72 20 6F 3D 22 49 53 20 54 48 45 22 3B 76 61 72 20 69 3D 22 4F 4E 4C 59 20 57 41 59 22 3B 76 61 72 20 66 3D 6E 75 6C 6C 3B 76 61 72 20 6C 3D 66 61 6C 73 65 3B 76 61 72 20 64 3B 69 66 28 66 3D 3D 3D 6E 75 6C 6C 29 7B 63 6F 6E 73 6F 6C 65 2E 6C 6F 67 28 22 46 6C 61 67 3A 22 2B 6E 2B 22 20 22 2B 6F 2B 22 20 22 2B 6F 2B 22 20 22 2B 69 29 3B 64 3D 75 6E 64 65 66 69 6E 65 64 7D 65 6C 73 65 20 69 66 28 66 96 E6 56 42 22 97 B 64 3D 75 6E 64 65 66 69 6E 65 64 22 29 7B 64 3D 75 6E 64 65 66 69 6E 65 64 22 29 7B 64 3D 75 6E 64 65 66 69 6E 65 67 22 28 76 67 20 69 66 28 6C 73 65 7B 69 66 28 6C 29 7B 64 3D 75 6E 64 65 66 69 6E 65 64 7D 65 6C 73 65 7B 28 6C 73 65 7B 69 66 28 6C 73 65 6C 64 65 66 69 6E 65 64 7D 65 6C 73 65 7B 69 66 28 6C 73 65 7B 66 6F 72 28 76 61 72 20 6E 3D 30 3B 6E 3C 31 30 3B 6E 2B 2B 29 7B 63 6F 6E 73 6F 6C 65 2E 6C 6F 67 28 22 54 68 69 73 20 63 6F 64 65 20 64 6F 65 73 20 6E 6F 74 68 69 6E 67 2E 22 29 7D 64 6F 4E 6F 74 68 69 6E 67 2E 22 29 7D 7D 7D 29 28 29 7D 7D 7D 29 28 29 3B

Hex Decode!

Hex vào văn bản

Download file

Sao chép văn bản giải mã hex của bạn ở đây:

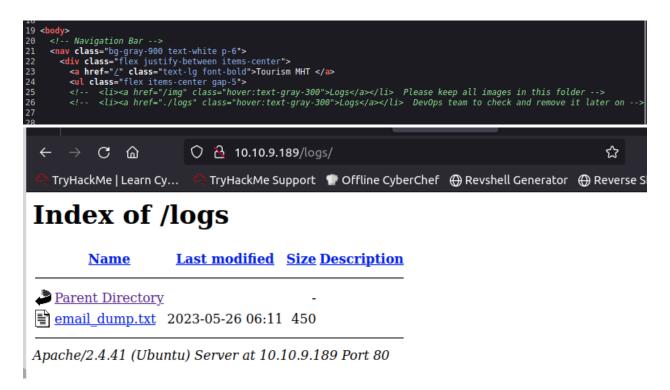
(function(){function doNothing(){}var n="DIRECTORY";var e="LISTING";var o="IS THE";var i="ONLY WAY";var f=null;var l=false;var d;if(f===null){console.log("Flag;"+n+" "+e+" "+o+" "+j);d=undefined}else if(typeof f==="undefined"){d=undefined}else{if(t){d=undefined}else{(function() {if(d){for(var n=0;n<10;n++){console.log("This code does nothing.")}doNothing()}else{doNothing()}}) ()}}})));

This code is a function to create a Flag, we can use any tool to execute the script. Here I use <u>online tool</u> to execute this code then I got the Flag.

Answer: DIRECTORY LISTING IS THE ONLY WAY

Question: Logging is an important aspect. What is the name of the file containing email dumps?

By reading source we see a command for folder ./logs that navigate to /logs.



Answer: email dump.txt

Question: The logs folder contains email logs and has a message for the software team lead. What is the name of the directory that Bob has created?

By reading the email, and understanding the SSDL so first phase is Planning

```
From: Bob <body>

Bob <br/>From: Bob <br/>F
```

Answer: Planning

Question: What is the key file for opening the directory that Bob has created for Mark?

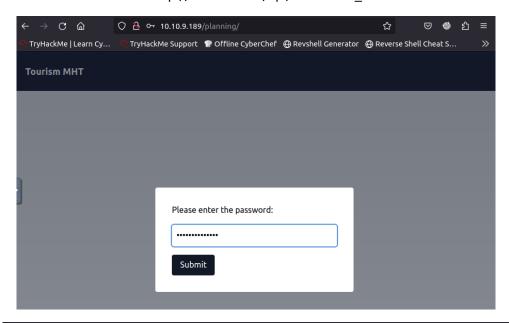
By reading the content of the email, I can see the flag

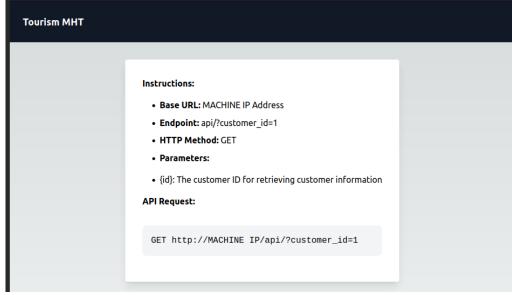
Answer: THM{100100111}

Question: What is the email address for ID 5 using the leaked API endpoint?

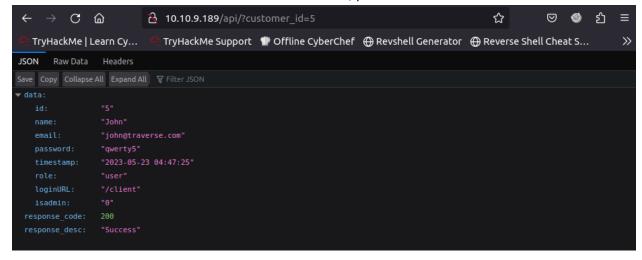
Go to the **/planning** and enter the password above, we will see an API Document. Enter the key in previous question, we can login into the Planning page. We can see that there is a guide for us to get something form API Request:

GET http://MACHINE IP/api/?customer_id=1



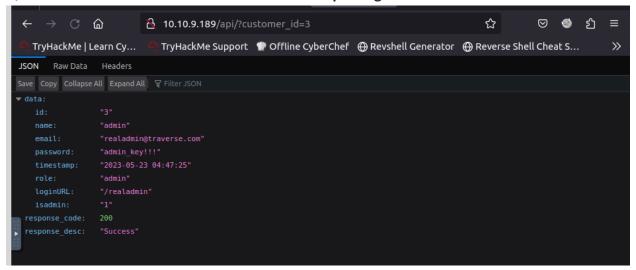


Then we make a request to id=5. We can see that the return is the information of the customer with id=5. There are some sensitive information such as email, password.



Answer: john@traverse.com

Question: What is the ID for the user with admin privileges?



Answer: 3

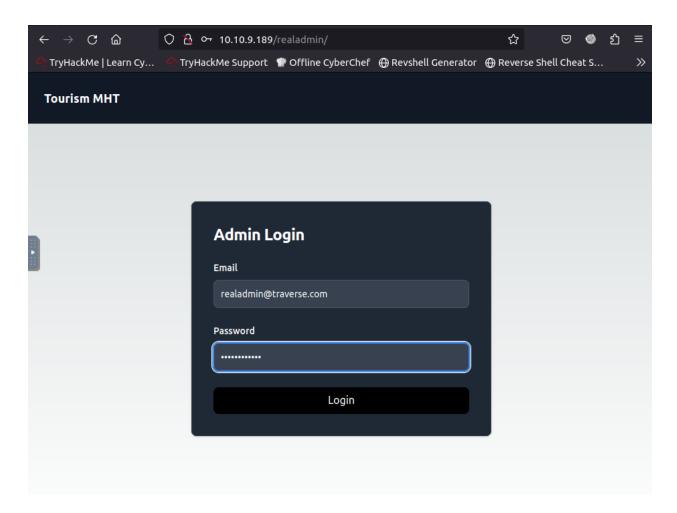
Question: What is the endpoint for logging in as the admin? Mention the last endpoint instead of the URL. For example, if the answer is URL is tryhackme.com/admin - Just write /admin.

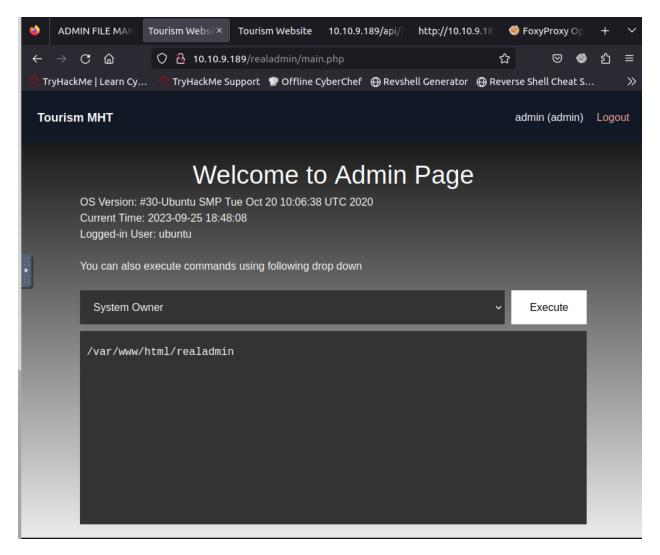
Answer: /readladmin

Question: The attacker uploaded a web shell and renamed a file used for managing the server. Can you find the name of the web shell that the attacker has uploaded?

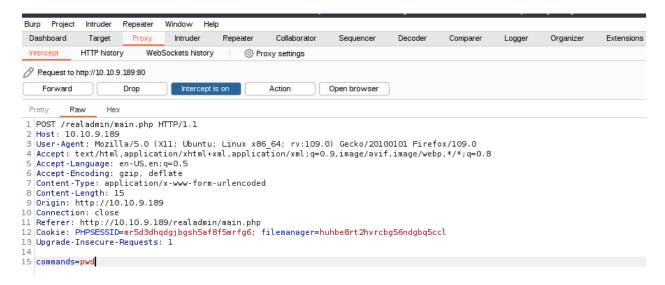
Answer: thm_shell.php

Question: What is the name of the file renamed by the attacker for managing the web server? Login with admin using admin login URL

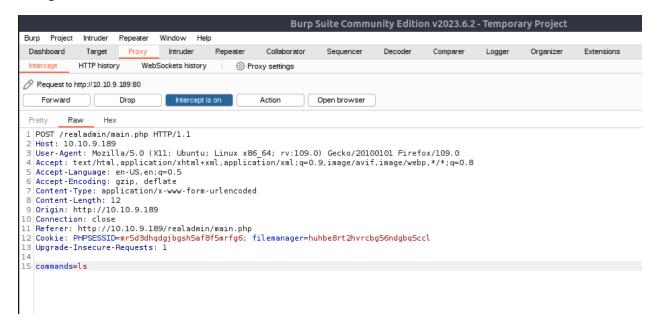


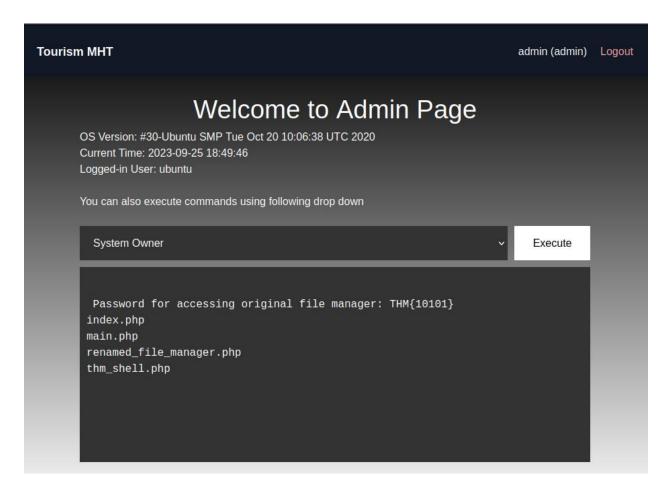


Using dropdown command to excute, we see that the current directory \rightarrow Using bursuite to intercept the request



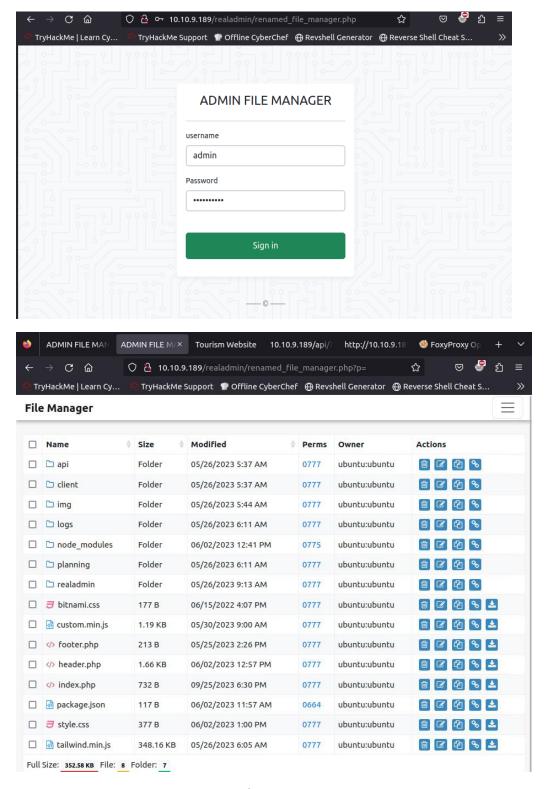
Change the command into 'ls' to list all the files.





Answer: renamed_file_manager.php

Question: Can you use the file manager to restore the original website by removing the "FINALLY HACKED" message? What is the flag value after restoring the main website? Using URL to navigate to /realadmin/renamed_file_manager.php



Execute remove "FINALLY HACKED" of \$message

```
File Manager
   Charset: utf-8
<!-- Rest PHP code and html content -->
 include './api/login.php';
 $basePath = "/";
 <!DOCTYPE html>
 <html lang="en">
 include 'header.php';
 $message = "FINALLY HACKED";
  <!-- Main Content -->
  <main class=" mx-auto py-8 h-[80vh] flex items-center justify-center">
    <div class="rounded overflow-hidden shadow-lg bg-white" p-8 flex ">
                 <?php
          if($message != "FINALLY HACKED"){
              echo '<h1 class="text-gray-700 text-3x1 py-6"> SUCCESSFULLY RESTORED WEBSITE FLAG: THM{WEBSITE_RES
         }
         else{
      <h2 class="text-gray-700 text-3xl py-6"> <?php echo $message; ?> !!! I HATE MINIFIED JAVASCRIPT</h2>
        <?php
        }
         2>
```

```
<?php
include './api/login.php';
$basePath = "/";
?>
<!DOCTYPE html>
<html lang="en">
<?php
include 'header.php';
$message = "";
<!-- Main Content -->
<main class=" mx-auto py-8 h-[80vh] flex items-center justify-center">
 <div class="rounded overflow-hidden shadow-lg bg-white p-8 flex ">
    if($message != "FINALLY HACKED"){
       echo '<h1 class="text-gray-700 text-3xl py-6"> SUCCESSFULLY RESTORED WEBSITE FLAG: THM{WEBSITE_RESTORED}
</h1>';
    else{
  <h2 class="text-gray-700 text-3xl py-6"> <?php echo $message; ?> !!! I HATE MINIFIED JAVASCRIPT</h2>
```

Tourism MHT			admin (admin)	Logout

SUCCESSFULLY RESTORED WEBSITE FLAG: THM{WEBSITE_RESTORED}

Answer: THM{WEBSITE_RESTORED}