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Wave a flag 



Easy

General Skills

picoCTF 2021

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Description

Can you invoke help flags for a tool or binary? [This program](#) has extraordinarily helpful information...

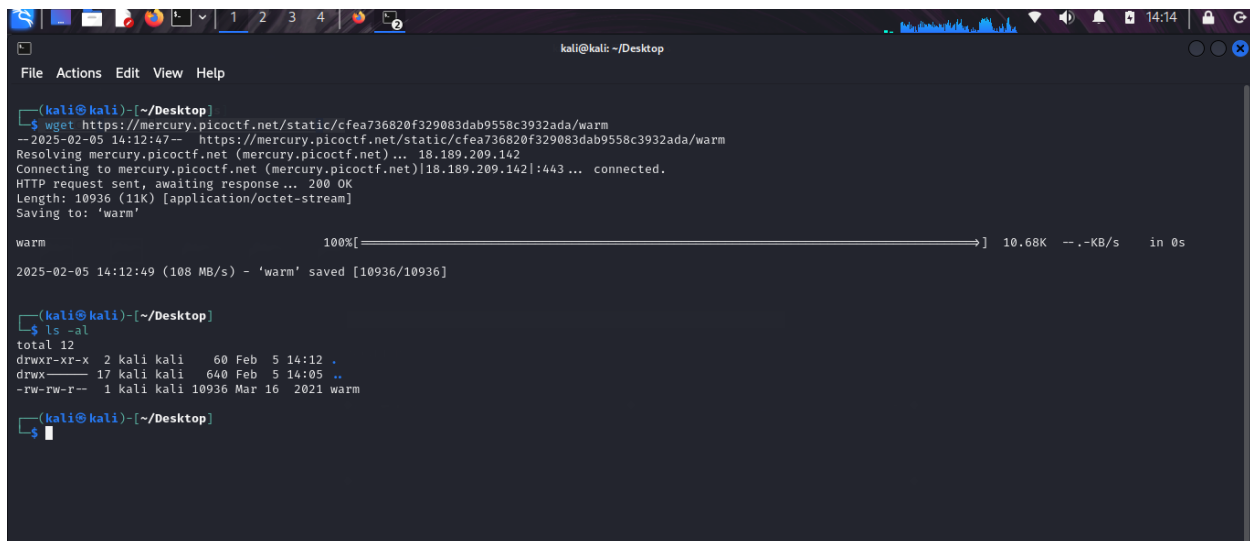
Hints ?

1 2 3 4 5

Not every program implements help features like -h and --help.

Solution

I downloaded the file using **wget** tool.



```
kali@kali: ~/Desktop
File Actions Edit View Help

(kali@kali)-[~/Desktop]
$ wget https://mercury.picoctf.net/static/cfea736820f329083dab9558c3932ada/warm
--2025-02-05 14:12:47-- https://mercury.picoctf.net/static/cfea736820f329083dab9558c3932ada/warm
Resolving mercury.picoctf.net (mercury.picoctf.net)... 18.189.209.142
Connecting to mercury.picoctf.net (mercury.picoctf.net)[18.189.209.142]:443 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 10936 (11K) [application/octet-stream]
Saving to: 'warm'

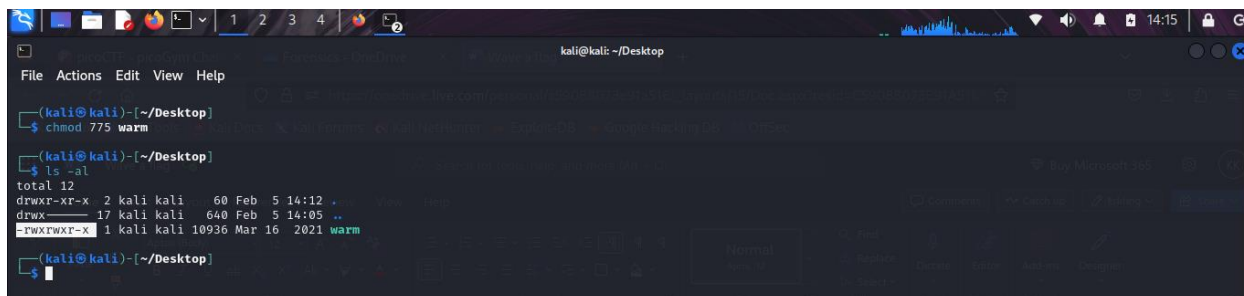
warm                               100%[=====] 10.68K --.-KB/s in 0s

2025-02-05 14:12:49 (108 MB/s) - 'warm' saved [10936/10936]

(kali@kali)-[~/Desktop]
$ ls -al
total 12
drwxr-xr-x 2 kali kali 60 Feb 5 14:12 .
drwxr-xr-x 17 kali kali 640 Feb 5 14:05 ..
-rw-rw-r-- 1 kali kali 10936 Mar 16 2021 warm

(kali@kali)-[~/Desktop]
$
```

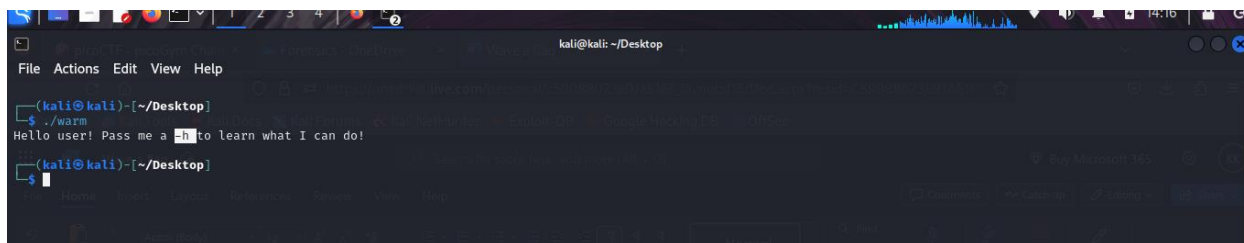
I then enabled execute privileges on the on the program for every user , owner, group and others by running '**chmod 775 warm**'.



A terminal window on a Kali Linux system. The user is in the directory ~/Desktop. They run 'chmod 775 warm' and then 'ls -al'. The output of 'ls -al' shows a file named 'warm' with permissions '-rwxrwxr-x', owner 'kali', group 'kali', and size '10936'. The file was last modified on 'Mar 16 2021'.

```
(kali@kali)-[~/Desktop]
$ chmod 775 warm
(kali@kali)-[~/Desktop]
$ ls -al
total 12
drwxr-xr-x  2 kali kali   60 Feb  5 14:12 .
drwxr-xr-x 17 kali kali  640 Feb  5 14:05 ..
-rwxrwxr-x  1 kali kali 10936 Mar 16 2021 warm
(kali@kali)-[~/Desktop]
$
```


I then ran the program `./warm` which hinted me to use a `-h` flag for more.



A terminal window showing the execution of the 'warm' program. The user runs './warm' and the program outputs 'Hello user! Pass me a -h to learn what I can do!'.

```
(kali@kali)-[~/Desktop]
$ ./warm
Hello user! Pass me a -h to learn what I can do!
(kali@kali)-[~/Desktop]
$
```

Using the `-h` flag revealed the flag `picoCTF{b1scuits_4nd_gr4vy_30e77291}`.



A terminal window showing the execution of the 'warm' program with the '-h' flag. The program outputs a message and the flag: 'Oh, help? I actually don't do much, but I do have this flag here: picoCTF{b1scuits_4nd_gr4vy_30e77291}'.

```
(kali@kali)-[~/Desktop]
$ ./warm -h
Oh, help? I actually don't do much, but I do have this flag here: picoCTF{b1scuits_4nd_gr4vy_30e77291}
(kali@kali)-[~/Desktop]
$
```