Bandit Level 22 - Level 23

Same as previous level, lets cd int o /etc/cron.d/ and see what it contains.

```
bandit22@bandit:~$ cd /etc/cron.d/
bandit22@bandit:/etc/cron.d$ ls
cronjob_bandit22  cronjob_bandit23  cronjob_bandit24  e2scrub_all  otw-tmp-
dir  sysstat
```

Lets cat the contents of cronjob_bandit23. Which I assume will contain the password to the next level.

```
bandit22@bandit:/etc/cron.d$ cat cronjob_bandit23
@reboot bandit23 /usr/bin/cronjob_bandit23.sh  &> /dev/null
* * * * * bandit23 /usr/bin/cronjob_bandit23.sh  &> /dev/null
```

Lets cat the cronjob_bandit23.sh.

```
bandit22@bandit:/etc/cron.d$ cat /usr/bin/cronjob_bandit23.sh
#!/bin/bash

myname=$(whoami)
mytarget=$(echo I am user $myname | md5sum | cut -d ' ' -f 1)

echo "Copying passwordfile /etc/bandit_pass/$myname to /tmp/$mytarget"

cat /etc/bandit_pass/$myname > /tmp/$mytarget
```

Looking through the script, to summarize it,.

1. Takes the users name with the line 'whoami' and stores it in myname variable
2. Then pipes the myname into the md5sum command, which generates an MD5 hash.
3. The cut -d ' ' -f 1 command extracts only the first part of the hash and discarding the rest. The result is then stored into mytarget variable.
4. Print to the screen 'Copying passwordfile /etc/bandit_pass/$mynameto/tmp/$mytarget'
5. Finally it will cat will read the contents of the $myname and create a new file $mytarget

Essential all we need to do is create a MD5 hash of the name bandit23, the resulting answer will be the name of the file containing the password to the next level.

```
bandit22@bandit:~$ echo I am user bandit23 | md5sum | cut –d ' ' –f 1
8ca319486bfbbc3663ea0fbe81326349
```

Note on the line 'echo I am user'. We are copying the code written in the script, word for word. Essential typing the script on the terminal to produce the answer.

The string 8ca319... is the name of the file that contains the password.

```
bandit22@bandit:~$ cat /tmp/8ca319486bfbbc3663ea0fbe81326349
0Zf11ioIjMVN551jX3CmStKLYqjk54Ga
```