

./level00

In this first level, we felt a bit lost: the home directory was empty and we didn't have permissions to read or write. However, we discovered a command to search the entire filesystem for files that have read permissions set for others (non-owners):

```
find / -type f -perm -o=r 2>/dev/null
```

Despite a lengthy search, we mainly stumbled upon clues for subsequent levels. Utilizing *grep* with the terms | *level00* and | *flag00* yielded no relevant results either.

We later discovered that the *find* command has another useful parameter: *user*. This command searches the entire filesystem for files owned by the user *flag00*:

```
level00@SnowCrash:~$ find / -type f -user flag00 2>/dev/null
/usr/bin/john
/rofs/usr/sbin/john

level00@SnowCrash:~$ ls -al /usr/sbin/john
----r--r-- 1 flag00 flag00 15 Mar  5 2016 /usr/sbin/john

level00@SnowCrash:~$ cat /usr/sbin/john
cdiiddwpgswtgt
```

Bingo!

We attempted to use the provided key to gain access under the *flag00* user profile, but were unsuccessful. Suspecting that the key might be encrypted, we utilized the *dcode.fr* website and its automatic cipher detection tool. Our findings indicate that the encryption method in use is ROT13 / Caesar cipher.

[A-Z]+15 nottoohardhere

```
level00@SnowCrash:~$ su flag00
Password: nottoohardhere
Don't forget to launch getflag !

flag00@SnowCrash:~$ getflag
Check flag. Here is your token : x24ti5gi3x0ol2eh4esiuxias

flag00@SnowCrash:~$ su level01
Password: x24ti5gi3x0ol2eh4esiuxias

level01@SnowCrash:~$
```