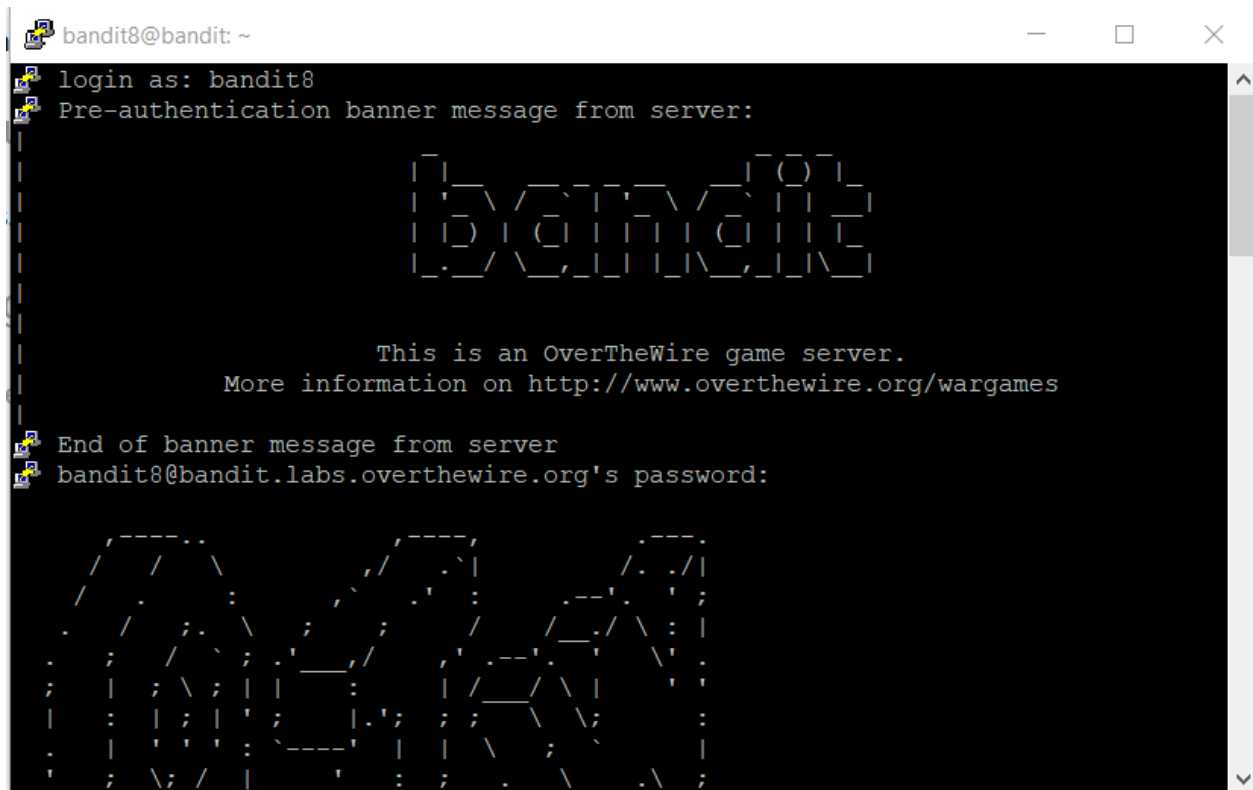


Bandit OTW Walkthrough Write-Up

Level : 8 → 9

Challenge: The password for the next level is stored in the file `data.txt` and is the only line of text that occurs only once

Step 1: Make sure you used the password from the previous level (Level 7 → 8) to login to bandit8.



```
bandit8@bandit: ~
login as: bandit8
Pre-authentication banner message from server:

bandit

This is an OverTheWire game server.
More information on http://www.overthewire.org/wargames

End of banner message from server
bandit8@bandit.labs.overthewire.org's password:

bandit
```

Step 2: First I used the “`pwd`” command to see my current working directory. I am located in bandit8’s home directory.

Step 3: Next I used the “`ls`” command to see the files stored in this directory, there is only 1 file, called “`data.txt`”.

```
bandit8@bandit: ~  
bandit8@bandit:~$ pwd  
/home/bandit8  
bandit8@bandit:~$ ls  
data.txt  
bandit8@bandit:~$ cat data.txt  
QWiiBJhqUoMj0lCD9XNrKTM1M94eIPMV  
UkKkkIJoUVJG6ZdlTDfEkBdPJptq2Sn7  
ITQY9WLlsn3q168qH29wYMLQjgPH9lNP  
JddNHIO2SAqKPHrrCcL7yTzArusoNwrt  
0dEKX1sDwYtc4vyjrKpGu30ecWBsDDa9  
yvtL2C3x6iw7XOLuSnoSlavXFUCsRSfg  
QbKQeOYoUQUlMEFovagIzwC3EF2GmulS  
lpRbCU2vMhGMRbAv65HhLyKEauDjtzeh  
JddNHIO2SAqKPHrrCcL7yTzArusoNwrt  
EN632PlfYiZbn3PhVK3XOGS1NInNE00t  
TiXMHNCJEvOQyLXoZhDMdFpmXfr7orEU  
08Jd2vmb6FjR4zXPteGHhpJm8A00OA5B  
eRgm0TR1FqHwaSneu0XDIC7r2MZVeLMU  
H06jDLvchlUq9N3QIOjHGmt1G34Gu5WM  
eRgm0TR1FqHwaSneu0XDIC7r2MZVeLMU  
3cTCUFe6MTl1FDAL0Z49cRByfq1MR1xJ  
08Jd2vmb6FjR4zXPteGHhpJm8A00OA5B  
XK6pbTxxVhc0CSi7Y5rXtVkpWL4KdTTp  
KzsSoDTds9Q8qA3uRuxg7og60JZ93tdA
```

Step 4: Afterwards, I used the “**sort**” command to sort out the content within the file to only show which line only repeats once. Therefore I used “**uniq -c**” to accomplish that.

It successfully returned the only line that was not repeated more than once, which was the password.

```
bandit8@bandit: ~  
11FFcDRW5ZXXmX7geZORYRwiJfj8B3Gh  
1jZv2X1O2JypCBIGDNRwWQzS1CyhvByt  
NaOfWAtaagxr32dnqud7mkYeCsSH5BDB  
uaKvbirBhTjHpZNhGKGpuBygADEEOfo  
lqxcTXcF9EuMgNF9J2TeEwKvz9ZoSGeZ  
LHdCVT0iGyBfIK20to1WrWKMhJRmpW66  
UkKkkIJoUVJG6ZdlTDfEkBdPJptq2Sn7  
YHtWBWO7CPN1EV2qcSnAtS18Xi9kLtQI  
yhJxWzo1jFPzfs1RP6cGonphKTjFVBXg  
FJHGxIQ8lboC0UFsaF91voZjntUpyHPW  
JddNHIO2SAqKPHrrCcL7yTzArusoNwrt  
KzsSoDTds9Q8qA3uRuxg7og60JZ93tdA  
08Jd2vmb6FjR4zXPteGHhpJm8A00OA5B  
o7U2dEUFSCmddG7CGlgZxohaMKTbBTQ8  
dMnfFW0t7tDLsN6jM4t15q7sGdXIjLDO  
uuax66Z7cDLABlBkrIMsqPUTyQDXsDqL  
LWbyPVHJfWrCcic0nuzZVWGnkiPq3mSo  
a6SMGsFpTKq8UGdndarh86o0ohHccjb0  
txpoO5Sv4NR55wTu62j7uGlRKNxridyM  
cmtlazWcnfmS07dz52EdwhfVXD5hm8Ox  
0zP9wfUcMKjZM2hiQUYR1nTfmaRdYSQE  
8mUGsbsFDyMVhqsbcIu5VQdKyNS6B4yK  
pI3SEH0Rq3gd0sNEi8038Sh5SatY1nrR  
lMUdfr7bGGCpNfGEOXaIEdrA8hT2L8Tk  
S9dq4wwCTyH9TyUrDfO8boVywef9rVsh  
bandit8@bandit:~$ cat data.txt | sort | uniq -u  
EN632PlfYiZbn3PhVK3XOGSlNInNE00t  
bandit8@bandit:~$
```

Step 5: Lastly , I copied the password to use it to login for the next level.