

# Level 8

## Bandit Level 8 → Level 9

### Level Goal

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

### Commands you may need to solve this level

grep, sort, uniq, strings, base64, tr, tar, gzip, bzip2, xxd

```
ssh bandit8@bandit.labs.overthewire.org -p 2220
```

Password: dfwvzFQi4mU0wfNbFOe9RoWskMLg7eEc

```
bandit8@bandit:~$ ls
data.txt
bandit8@bandit:~$ cat data.txt
aMKlTMrptUxxTypCHocCTrqYRkR2gT8h
PRerp5EfTVxJHKuCZDXfAfRyCQSdPjMi
0BKVRLEJQcpNx8wnSPxDLFnFKlQafKK6
6Boy6esAjnIxCYn8uI6KZ7VD7zysDM8i
tgHSfEXcbYCeJWXfsWD04VXXbqtTVcqS
KZJ0ZECxhLxDhxDhGzdNy8m0upLzvP11
w6x5XtaoRWDqMCsYxgZIWuOKVdiGByAu
0kJ7XHD4gVtNSZIpqyP1V45sfz90BLFo
Wr4hWlUhGCKJpGDCEio8C1pLVt7DZm3X
Su9w1lri9UACf53cL1evAMKXVgI0nfqe
6Boy6esAjnIxCYn8uI6KZ7VD7zysDM8i
```

## man uniq

```
UNIQ(1)                                User Commands                                UNIQ(1)

NAME
    uniq - report or omit repeated lines

SYNOPSIS
    uniq [OPTION]... [INPUT [OUTPUT]]

DESCRIPTION
    Filter adjacent matching lines from INPUT (or standard input), writing to OUTPUT (or standard output).

    With no options, matching lines are merged to the first occurrence.

    Mandatory arguments to long options are mandatory for short options too.

    -c, --count
        prefix lines by the number of occurrences

    -d, --repeated
        only print duplicate lines, one for each group

    -D
        print all duplicate lines

    --all-repeated[=METHOD]
        like -D, but allow separating groups with an empty line; METHOD={none(default),prepend,separate}

    -f, --skip-fields=N
        avoid comparing the first N fields
```

sort data.txt | uniq -c

This will list the number of times the strings have been repeated.

It can be observed that one string in occurred only one time, hence that is the password:

4CKMh1JI91bUIZZPX DqGanal4xvAg0JM

```
bandit8@bandit:~$ sort data.txt | uniq -c
10 0BKVRLEJQcpNx8wnSPxDLfnFKlQafKK6
10 0eJPctF8gK96ykGBBakydhJgxSpTLJtz
10 0kJ7XHD4gVtNSZIpqyP1V45sfz90BLFo
10 0LP0vKhpHZebxji0gdjtGCd5GWiZnNBj
10 0REUhhKk0yMqQ0wei6NK9ZqIpE5dVlWMM
10 1jfUH1m4XCjr7eWAeLeGdaNSxFXRtX0L
10 1VKPEkd0bCtIRwMFVQfY7Inulw0FyDsn
10 2u8fvAzvnaFlvQG3iPt4Wc1TFhPcGxhH
10 35L6mr3f6TvlJyDwU6aUgJX07cLhr6t9
10 3FIgajXBiaQAiTMVG01gxRDSiACNyvvJ
10 3mNA2le0gfURQKNHVIhGkMNLqLwjyyLN
1 4CKMh1JI91bUIZZPX DqGanal4xvAg0JM
10 4P8FsHcdr7d5WKnPtAaXY5SsLkICd2gL
10 5EmwMKZHwF6Lwq5jHuaDLfFJBebcX0b
10 5hYz0028e1Q2TrtPVz5GZbpMzZNjebhh
10 5I2jWpqjtVp576xXI2TLh1UCyXJtGQ78
10 6Boy6esAjnIxCYn8uI6KZ7VD7zysDM8i
10 7cP8ssLElERHXq0Jc9T84bxsmJBjNXk2
10 7qHmEo1FEbzthgyNpKc38YofXjYKZv18
10 8FcTuoQLFXsJnNeyiDY5KfE3vRy6sZFEJ
10 8pePxsLMzXqA2m187wfjxd44qDRdrPiW
10 9jfKbKgP40LjMuuiH9cce4bUo9y8nd0j
10 9PqZLdu143n5djN9mL1McamrmHERuV7k
10 9Tar2wcD3Urge6s2yp18CAE8zX1poUwV
```

Command used:

This command will sort the contents of the file in a ascending order and also lists the number of times the string has been repeated.

```
sort data.txt | uniq -c
```

password:

4CKMh1JI91bUIZZPXDqGanaI4xvAg0JM