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svl238
Homework 4

Questions:

1. To display a manual page type: **man "manual item"** – You will insert a page in manual item. To search the manual page the command is: **man -k**
To quit the manual page you have to press: **q**
2. A file that starts with a dot character are called dot files and is treated as hidden, which means the **ls** command does not display them unless an **-a** flag is used.
3. You can use an **-a flag** to list all the files in a directory, including dot files.
Use: **ls -a**
4. A log file is a file that records either events that occur in an operating system or other software runs, or messages between different users of a communication software.
5. To view the top and bottom of a log file with a lot of lines a user must use the command: **less** and include the path
6. To view texts in a terminal a user needs to input the command: **cat** and then include the path for example: **cat /Users/Documents/file.txt**
7. To search a directory for a certain instance a person would use the command: **fgrep**
8. To get the results of the previous command into a file use the commands: **command and tee**
9. To download a webpage from the terminal, the user must input the command: **wget**
10. To remove or delete a file by using terminal, the user must input the command: **rm**

Passwords:

Level 0 to 1 Password:

boJ9jbbUNNfktd7800psq0ltutMc3MY1

To acquire this password all I had to do was use ls in order to see the readme file and “cat” it to grab the password.

Level 1 to 2 Password:

CV1DtqXWVFXtvM2F0k09SHz0YwRINYA9

To acquire this password, in the terminal it is shown to us that the password is in a file called “-” and all that was needed was to use “cat” and delimit it.

Level 2 to 3 Password:

UmHadQclWmgdLOKQ3YNgjWxGoRMb5luK

To acquire this password we needed to read a file with spaces in it’s name. We had to surround the file in quotes to obtain the password.

Level 3 to 4 Password:

pIwrPrtpN36QITSp3EQaw936yaFoFgAB

To acquire this password we needed to access the hidden file inhere by using the command “cat” and hidden.

Level 4 to 5 Password:

koReB0KuIDDepwhWk7jZC0RTdopnAYKh

To acquire this password we needed to access the inhere directory and it was the only human readable file in the directory. I had to use “cat ./-file07”

Level 5 to 6 Password:

DXjZPULLxYr17uwoI01bNLQbtFemEgo7

To acquire this password it was quite similar to the other level. I had to look through several files by using “cat ./maybehere07/.file2”

Level 6 to 7 Password:

HKBPTKQnIay4Fw76bEy8PVxKEDQRKTzs

To acquire this password the password could have been anywhere on the server but we were given it's attributes. The command that was used was “cat /var/lib/dpkg/info/bandit7.password”

Level 7 to 8 Password:

cvX2JJJa4CFALtqS87jk27qwqGhBM9p1V

To acquire this password it was stored in a file called data.txt I had to use the command “cat” and also “grep”

Level 8 to 9 Password:

UsvVyFSfZZWbi6wgC7dAFyFuR6jQQUhR

To acquire this password I needed to find a unique line. I used several pipe commands such as “cat”, “sort”, “uniq”.

Level 9 to 10 Password:

truKLdjsbJ5g7yyJ2X2R0o3a5HQJFuLk

To acquire this password it is again stored in a data.txt file starting with “=” characters. I had to use “strings” and “grep”.

Extra Credit (Levels 11 to 15):

Level 10 to 11 Password:

IFukwKGsFW8M0q3IRFqrxE1hxTNEbUPR

To acquire this password it was stored in a data.txt file and contained encoded data with a base of 64.

Level 11 to 12 Password:

5Te8Y4drgCRfCx8ugdWuEX8KFC6k2EUu

To acquire this password I had to use a rot13 encryption by using “cat” and also using the command “tr”.

Level 12 to 13 Password:

8ZjyCRiBWFYkneahHwxCv3wb2a10RpYL

To acquire this password it was stored in a data.txt file and it has been compressed. I had to create a directory under /tmp by using mkdir.

Level 13 to 14 Password:

4wcYUJFw0k0XLShlDzztnTBHixU3b3e

To acquire this password it was a little different. It didn't give you the password but a private SSH Key which was used to log in the next level.

Level 14 to 15 Password:

BfMYroe26WYalil77FoDi9qh59eK5xNr

To acquire this password I had to password to a local host with a port 30000. Although we are still in bandit14's shell we were able to get the password.