

Lab 4 : Linux File System Permission

Follow Lab 4 document (Lab4.pdf) and answer these questions:

Part I: Login as Alice

Question 1: (at ~)

- 1) Try the command “id”, then write down these values
“uid”: 1002
“gid”: 1005
“groups”: 1005,1001,1337
- 2) What is your current directory? /home/alice
- 3) Is there any file inside the current directory? Y (Y/N)
- 4) If the answer is yes, what is the file’s content README.txt

Question 2: (at /team1)

- 1) How many files are inside the directory? 2
- 2) See the content inside “members.txt”, who are the members listed in the file?
Alice and Bob
- 3) What is the permission of “members.txt” (answer using both “rwx” format and number format)? -rw-r--r--
- 4) Can you see inside “secret.txt”? Y (Y/N)
If yes, what is the secret? 81dc9bdb52d04dc20036dbd8313ed055
- 5) What is the permission of “secret.txt” (answer using both “rwx” format and number format)? -rw-----
- 6) Who is the owner of “secret.txt”? Alice
- 7) What is the group of “secret.txt”? team1

Question 3: (at /team2)

- 1) Can you go inside directory “/team2”? N (Y/N)
If yes, how many files are inside “/team2”?
- 2) What is the permission of the directory “/team2” (answer only in “rwx” formats)?
Can go inside the directory, but can’t read the directory
- 3) Who is the owner and group of “/team2” directory? Root and /team2

Part II: Login as Bob

Question 4: (at ~)

- 1) Try the command “id”, then write down these values

“uid”: 1001

“gid”: 1004

“groups”: 1004,1001,1337

2) Does Bob have any same group as Alice? Y (Y/N)

If yes, what are they? 1001,1337

Question 5: (at /team1)

1) How many files are inside the directory? 2

2) Is it changed from Question 1? N (Y/N)

3) Can you (as Bob) see inside “secret.txt”? N (Y/N)

If yes, what is the secret? _____

If no, why can't you see it? Permission to alice

Question 6: (at /team2)

1) Can you go inside “/team2” directory? Y (Y/N)

2) Can you see files inside “/team2” directory? N (Y/N)

3) We know that there is “members.txt” inside this directory. Can you see the content of this file? Y (Y/N)

Question 7: (at /share)

1) What is the permission of “announcement.txt” (answer in both “rwx” format and number format)? -rw-rw-r-- 664

2) Who is the owner and group of “announcement.txt”? root

3) See inside “announcement.txt”, what is the code? C13367945d5d4c91047b3b50234aa7abx

4) What is the permission of this directory (answer in “rwx” format)? drwxrwxr-x

Part II: Login as Charlie

Question 8: (at ~)

- 1) Try the command “id”, then write down these values
“uid”: 1003
“gid”: 1006
“groups”: 1006,1001,13375
- 2) Does Charlie have any same group as Alice? Y (Y/N)
If yes, what are they? 1001

Question 9: (at /team2)

- 1) Can you go inside the directory “/team2”? Y (Y/N)
- 2) Can you see files inside the directory “/team2”? Y (Y/N)
- 3) Who is the owner and group of the file “secret.txt”? root and team2
- 4) What is the permission of “secret.txt” (answer both “rwx” format and number format)? -rw----- 600
- 5) Can you read the file “secret.txt”? Y (Y/N)
If yes, what is the secret inside the file?
6774f3c2c1a8a6f90461e8a66fb5550ba

Question 10: (at /team1)

- 1) Can you go inside the directory “/team1”? N (Y/N)
- 2) Can you list the files inside directory “/team1”? N (Y/N)
- 3) We know that there is “members.txt” in this directory. Can you see the content of the file? N (Y/N)

Question 11: (at /share)

- 1) Can you go inside the directory “/share”? Y (Y/N)
 - 2) Can you list files inside the directory? Y (Y/N)
 - 3) Can you see the content of “announcement.txt”? Y (Y/N)
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