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## 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(alice)

“gid”: 1005(alice)

“groups”: 1005(alice), 1001(share), 1337(team1)

- 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-- and 644

- 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----- and 600

- 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”? Y (Y/N)

If yes, how many files are inside “/team2”? Can’t read directory

- 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(bob)  
“gid”: 1004(bob)  
“groups”: 1004(bob), 1001(share), 1337(team1)
- 2) Does Bob have any same group as Alice? Y (Y/N)  
If yes, what are they? 1001(share), 1337(team1)

### 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 denied

### 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-- and 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(Charlie)

“gid”: 1006(Charlie)

“groups”: 1006(Charlie), 1001(share), 13375(team2)

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

If yes, what are they? 1001(share)

### 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----- and 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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