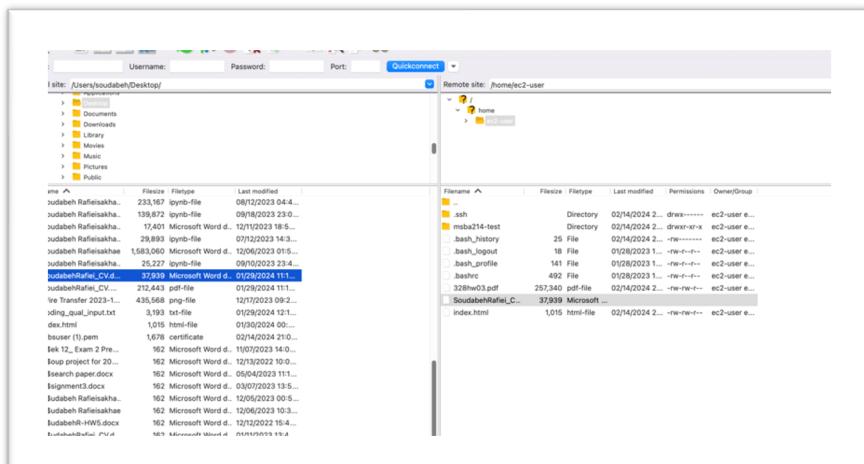


Soudabeh Rafiei

AWS File Management and System Administration Project with FTP, Command Line Operations, and EC2 User Access

1. Create a directory with a name of your choice in the current directory.

2. Use the FTP protocol to move two files from your computer (host computer) to the Hadoop cluster in the newly created directory.



3. Display all files and folders in the directory

```
[ec2-user@ip-172-31-31-151 msba214-test]$ ls  
328hw03.pdf SoudabehRafiei_CV.pdf
```

```
[ec2-user@ip-172-31-31-151 msba214-test]$ cp hw2.txt HW2.txt  
[ec2-user@ip-172-31-31-151 msba214-test]$ ls  
328hw03.pdf HW2.txt SoudabehRafiei_CV.pdf hw2.txt  
[ec2-user@ip-172-31-31-151 msba214-test]$ cp SoudabehRafiei_CV.pdf Soudabeh.pdf  
[ec2-user@ip-172-31-31-151 msba214-test]$ ls  
328hw03.pdf HW2.txt Soudabeh.pdf SoudabehRafiei_CV.pdf hw2.txt  
[ec2-user@ip-172-31-31-151 msba214-test]$ █
```

4. Display all files, including hidden files, if any.

```
[ec2-user@ip-172-31-31-151 msba214-test]$ ls -a  
.. 328hw03.pdf SoudabehRafiei CV.pdf
```

5. Display all files along with size and timestamp.

```
[ec2-user@ip-172-31-31-151 msba214-test]$ ls -l  
total 460  
-rw-rw-r--. 1 ec2-user ec2-user 257340 Feb 15 06:10 328hw03.pdf  
-rw-rw-r--. 1 ec2-user ec2-user 212443 Feb 15 06:10 SoudabehRafiei_CV.pdf  
-rw-r--r--. 1 ec2-user ec2-user 0 Feb 15 06:27 hw2.txt
```

6. Display in long listing format with a timestamp in reverse order.

```
[ec2-user@ip-172-31-31-151 msba214-test]$ ls -ltr  
total 460  
-rw-rw-r--. 1 ec2-user ec2-user 212443 Feb 15 06:10 SoudabehRafiei_CV.pdf  
-rw-rw-r--. 1 ec2-user ec2-user 257340 Feb 15 06:10 328hw03.pdf  
-rw-r--r--. 1 ec2-user ec2-user 0 Feb 15 06:27 hw2.txt
```

7. Display the “present working directory.”

```
[ec2-user@ip-172-31-31-151 msba214-test]$ pwd  
/home/ec2-user/msba214-test
```

8. Change the current directory to the home directory.

```
[ec2-user@ip-172-31-31-151 msba214-test]$ pwd  
/home/ec2-user/msba214-test  
[ec2-user@ip-172-31-31-151 msba214-test]$ cd ..  
[ec2-user@ip-172-31-31-151 ~]$ cd ..  
[ec2-user@ip-172-31-31-151 home]$ pwd  
/home  
[ec2-user@ip-172-31-31-151 home]$ █
```

or

cd ~

9. Create a copy of one of the files you moved in step 2 above and place it in the “present working directory.”

```
[ec2-user@ip-172-31-31-151 msba214-test]$ cp HW2.txt HW2.txt  
[ec2-user@ip-172-31-31-151 msba214-test]$ ls  
328hw03.pdf HW2.txt SoudabehRafiei_CV.pdf hw2.txt  
[ec2-user@ip-172-31-31-151 msba214-test]$ cp SoudabehRafiei_CV.pdf Soudabeh.pdf  
[ec2-user@ip-172-31-31-151 msba214-test]$ ls  
328hw03.pdf HW2.txt Soudabeh.pdf SoudabehRafiei_CV.pdf hw2.txt  
[ec2-user@ip-172-31-31-151 msba214-test]$ █
```

10. Create a copy of the same file in a different directory.

```
[ec2-user@ip-172-31-26-22 ~]$ ls  
HW2.txt msba214-test  
[ec2-user@ip-172-31-26-22 ~]$ cp msba214-test/Soudabeh.txt Soudabeh.txt  
[ec2-user@ip-172-31-26-22 ~]$ ls  
HW2.txt Soudabeh.txt msba214-test  
[ec2-user@ip-172-31-26-22 ~]$ █
```

11. Rename the file.

```
[ec2-user@ip-172-31-26-22 ~]$ ls  
HW2.txt Soudabeh.txt msba214-test  
[ec2-user@ip-172-31-26-22 ~]$ mv Soudabeh.txt Sudi.txt  
[ec2-user@ip-172-31-26-22 ~]$ ls  
HW2.txt Sudi.txt msba214-test  
[ec2-user@ip-172-31-26-22 ~]$ █
```

12. Move the file from one directory to another.

```
[ec2-user@ip-172-31-26-22 ~]$ mv msba214-test/Soudabeh.txt Soudabeh.txt  
[ec2-user@ip-172-31-26-22 ~]$ ls  
HW2.txt Soudabeh.txt Sudi.txt msba214-test
```

13. Delete the file.

```
[ec2-user@ip-172-31-26-22 ~]$ rm Soudabeh.txt  
[ec2-user@ip-172-31-26-22 ~]$ ls  
HW2.txt Sudi.txt msba214-test
```

14. Open vi editor to edit a file.

```
[ec2-user@ip-172-31-26-22 ~]$ vi Sudi.txt  
[ec2-user@ip-172-31-26-22 ~]$ 
```

15. Write some random text to the file.

```
This is ■ Test  
Created by:  
Soudabeh  
~  
~  
~  
~  
~
```

16. Quit the editor.

```
:w  
Enter  
:q  
Enter
```

```
[ec2-user@ip-172-31-26-22 ~]$ vi Sudi.txt  
[ec2-user@ip-172-31-26-22 ~]$ 
```

17. Display the size of the newly written file.

```
[ec2-user@ip-172-31-26-22 ~]$ du -h Sudi.txt
4.0K    Sudi.txt
[ec2-user@ip-172-31-26-22 ~]$ █
```

18. Create a group with a name of your choice and a user with a name of your choice.

```
[ec2-user@ip-172-31-23-83 test]$ sudo groupadd testgroup
[ec2-user@ip-172-31-23-83 test]$ sudo useradd -g testgroup testuser
```

19. Change the group for any given file.

```
[ec2-user@ip-172-31-23-83 test]$ ls -ltr
total 4
-rw-r--r--. 1 ec2-user testgroup 44 Feb 14 07:55 filetest
[ec2-user@ip-172-31-23-83 test]$ chmod 777 filetest
[ec2-user@ip-172-31-23-83 test]$ ls -ltr
total 4
-rwxrwxrwx: 1 ec2-user testgroup 44 Feb 14 07:55 filetest
```

20. Change any file or any directory permissions with chmod 777.

```
[ec2-user@ip-172-31-26-22 ~]$ chmod 777 HW2.txt
[ec2-user@ip-172-31-26-22 ~]$ ls
HW2.txt  Sudi.txt  filetest  msba214-test
[ec2-user@ip-172-31-26-22 ~]$ █
```

21. Change the owner of a directory."

```
[ec2-user@ip-172-31-23-83 test]$ ls -ltr
total 4
-rwxrwxrwx. 1 ec2-user testgroup 44 Feb 14 07:55 filetest
[ec2-user@ip-172-31-23-83 test]$ sudo chown testuser:testgroup filetest
[ec2-user@ip-172-31-23-83 test]$ ls -ltr
total 4
-rwxrwxrwx. 1 testuser testgroup 44 Feb 14 07:55 filetest
```