

# COMS 6100 - Quiz-ercise 4 - SSH

September 13, 2020

As you go through this exercise, past the commands and the results into a latex file. (Use the verbatim blocks to prevent the output from being formatted. You will submit this final file to the class dropbox.

To set up the directories and files:

- Log onto one of the OrionXX workstations. Note which number it is (01-12).

```
ssh orion06.cs.mtsu.edu
```

- cd /localstorage

```
cd /localstorage
```

- mkdir *your username*

```
mkdir rf2u
```

- cd *your username*

```
cd rf2u
```

- touch MONKEY.txt

```
touch MONKEY.txt
```

- mkdir mystuff

```
mkdir mystuff
```

- cd mystuff

```
cd mystuff
```

- touch README.txt

```
touch README.txt
```

- touch DUCKY.txt

```
touch DUCKY.txt
```

- ssh herschel.cs.mtsu.edu "mkdir kitty"

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1. Use wget to grab the file at <http://www.cs.mtsu.edu/jwallin/6100/sample1.txt> into your kitty directory.

```
wget cs.mtsu.edu/~jwallin/6100/sample.txt
```

2. Copy (using scp) README.txt from orionXX to the kitty directory on herschel. (The full address is herschel.cs.mtsu.edu).

```
scp orion06.cs.mtsu.edu:/localstorage/rf2u/mystuff/README.txt ~/kitty/
```

3. Execute a command to list the directory contents of the kitty directory on herschel using ssh.

```
ssh herschel.cs.mtsu.edu "ls ~/kitty"
```

4. Log into herschel using ssh.

```
ssh herschel.cs.mtsu.edu
```

5. cd to the kitty directory

```
cd kitty
```

6. Copy DUCKY.txt from the mystuff directory on orionXX to hershel using scp.

```
scp orion06.cs.mtsu.edu:/localstorage/rf2u/mystuff/DUCKY.txt ~
```

7. Use sftp to access the files on orionXX. Get the rest of the files from the mystuff directory and put them into the kitty directory.

```
sftp orion06.cs.mtsu.edu
get /localstorage/rf2u/mystuff/*
exit
```

8. Create a file called PIGGY.txt inside the kitty directory. (Hint: use the touch command.)

```
touch PIGGY.txt
```

9. Using rsync, synchronize all the files in the kitty directory to the directory mystuff.

```
rsync -a ./ orion06.cs.mtsu.edu:/localstorage/rf2u/mystuff/
```

10. Create a compressed tar ball of the files in the kitty directory.

```
tar -cvf Quizercise4.tar .
```

11. Upload the pdf file and the tex file to D2L. (You will need to rename the tex to txt to do the upload.)