

Intro To Linux - Tutorials

Tutors:
Joshua Bruton
Or Hanoach
Devon Jarvis
Nathan Michleo
IntroMeir Rosendorff

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1 Tutorial 1 - Introduction + general tips

No task. We give an example of running ssh and then tmux in a remote computer.

1. ssh into remote pc
2. tmux a into a pre-made session in the format we used for programming snake.
3. On local computer show copying files using wildcards while its being done on gui
4. show mass rename

2 Tutorial 2 - What is Linux

No Tasks for this session

3 Tutorial 3 - Basic commands

1. Search duckduckgo/google for how to list files and directories with human readable sizes (I.e 4.0K instead of 4096). What is the size of your desktop?
2. Go to your desktop folder and create a directory called "ITL_Tut1"
3. Go inside the directory you created and create a file "Tux_I_Am_Your_Father"
4. Change the name of the file to "In_Tux_We_Trust"

5. Delete the file
6. Go back a directory (back to Desktop) and copy the ITL_Tut1 directory to ITL_Tut1_old
7. Delete ITL_Tut1_old

4 Tutorial 4 - Processes

1. Open Firefox
2. Open different tabs and see how that affects memory (RAM) usage
3. Use duckduckgo/google and find the flag that shows you all current running processes. find firefox and its PID (Advanced students can search how to use “grep” - it will be taught later but can help now)
4. use the kill command to close firefox forcefully

5 Tutorial 5 - The Linux File System

Use cat to look at different files in your file system and find out the following.
Note - using duckduckgo/google to help you is advisable.

1. How much memory (RAM) does your computer have?
2. Which cpu do you have?
3. Which environment variables are predefined?
4. Which partitions do you have on your hard drive? Which one do you think stores your data?

6 Tutorial 6 - Sudo make me a sandwich

1. ssh into your user on the onion server into your virtual machine <- ADD EXPLANATION ON HOW TO DO THIS ->
2. In this environment you can experament and break whatever you want! go for it!
3. Try moving /etc/environments without using sudo. Try it with sudo and then move it back.
4. ————— need more ideas —————

7 Tutorial 7 - More Linux Commands

1. ssh into your user on the onion server into your virtual machine
2. install cowcurses (and enjoy..)
3. use wget to download a the installation tar file for <- to be filled ->
4. extract the file you downloaded
5. Change the permissions on the folder that has been created after you extracted it to give it full permissions to everyone
6. delete the folder without using sudo

8 Tutorial 8 - Pipelines and streams

1. Open firefox
2. find the command to list all running processes and use grep to find firefox
3. find the command to list the current environment variables and use grep to find out which proxy variables you have running
4. use >> to put all the current environment variables into a file
5. create a file called "Not_Another_File"
6. use echo <- to be continued ->