OSYS 1000 ASSIGNMENT 3

**UNIX**

**Due: Monday, Feb. 4, 2019 (in class)**

# Instructions

1. This assignment is in the form of a checklist that will be applied **to items you have completed** on the newly installed CentOS Virtual Machine and in its Terminal interface.
2. The first part of this assignment mostly involves making certain that you have completed the installation procedure.
3. This second part of this assignment mostly involves creating a script recording file of commands that you have run in your CentOS terminal.
4. The items in the list should have been covered in the two preceding class videos:
   1. CentOS Installation
   2. UNIX Permissions
5. You may also want to check out the additional resources listed in the Week 4 Weekly Agenda for more help if necessary.
6. On the day that the assignment is due you will demonstrate the completion of the tasks to the instructor in class and get the checklist completed/marked.
7. That’s it.

**Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 1:**

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| --- | --- | --- |
| Item # | Item Description | Student has completed? (Y/N)? |
| 1. | CentOS Virtual Machine installed in terminal-only mode. (3 pts) |  |
| 2. | Networking configured. |  |
| 3. | System updates applied. |  |
| 4. | SFTP tested and working. |  |
| 5. | You have taken at least two snapshots during the installation procedure. |  |

**Part 2:**

|  |  |  |
| --- | --- | --- |
| Item # | Item Description | Student has completed? (Y/N)? |
| - | Log into the CentOS Terminal as your usual user. |  |
| - | When you are ready to execute all of the commands in steps 1 - 8, type in the following (replacing Mike with your name):  **script assign3\_Mike** |  |
| - | Create a blank file. | touch assign3.txt |
| 1. | Type in the command to list all files/folders in the current directory with permissions | la -la |
| 2. | Type in the command to give **Read and Write** rights to **all** User Categories on the new file. | chmod 666 assign3.txt |
| 3. | Type in the single command to change the ownership of the file to the root user and run the command as root (all in one command). | sudo chown root assign3.txt |
| 4. | Type in the command to list all files/folders in the current directory with permissions to prove steps 2 and 3 worked. | ls -la |
| - | Create another blank file **as the root user** so root will own the file. | su >  touch root\_file.txt |
| 5. | Change the owner of the second file to your non-root user. | chown osys1000 root\_file.txt |
| 6. | Change the owning group of the second file to be the osys1000 group. | chgrp osys1000 root\_file.txt |
| 7. | Change the permissions on the file to be “rwxrw-r—“. | chmod 764 root\_file.txt |
| 8. | Type in the command to list all files/folders in the current directory with permissions to prove steps 5, 6, and 7 worked. | ls -la |
| - | Type in **exit** to stop the script recording of your commands to the file specified above step 1. |  |