

**LAB**

**LINUX SYSTEM ADMINISTRATION**

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VERSION 2

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**LAB:** LAB09-01

**OBJECTIVE**: The objective of this lab is to learn how to set UID and GID permissions on files, folders, and sub-folders.

**INSTRUCTIONS**: These labs will test your ability to actively research how to perform a required action on a Linux operating system. All questions asked (below) should be included in a lab report. This lab report should be written in Microsoft Word and include a numbered list corresponding to the task (below). This list must include a clear screenshot of the command and its output. Please follow the instructions for submitting this assignment on Blackboard.

* You should be logged in as ***labuser1*** with the password ‘P@$$w0rd’
* You must be in the /labs/CH09/LAB09-01 folder to complete this lab.

**APPLY USER GROUP**

1. Set the ***Constellations*** folder group to ***labusers2*** and change into that folder.
2. Create a new text file in the ***Constellations*** folder called ***venatici.txt***.
3. List the files in the ***Constellations*** folder.
   1. What is the group name of the ***venatici.txt*** file?
   2. Why?
   3. What group name is applied to every other file in this directory?
4. Exit the ***Constellations*** folder.

**RECURSIVELY APPLY USER GROUP**

1. Recursively set the ***Constellations*** folder group to ***labusers2*** and change into that folder.
2. List the files in the ***Constellations*** folder.
   1. What group name is applied to every other file in this directory?
3. Create a new text file in the ***Constellations*** folder called ***pleiades.txt***.
4. List the files in the ***Constellations*** folder.
   1. What is the group name of the ***pleiades.txt*** file?
   2. Why?
5. Exit the ***Constellations*** folder.

**STICKY BITS**

1. Set the group of the ***Constellations*** folder to sticky and change into that folder.
2. Create a new text file in the ***Constellations*** folder called ***pegasus.txt***.
3. List the files in the ***Constellations*** folder.
   1. What is the group name of the ***pegasus.txt*** file?
   2. Why?

**NOTE**: We only learned about setting group permissions in this lab; you can easily do the same with user permissions. Try it yourself!