## Lab 4: Screen Captures

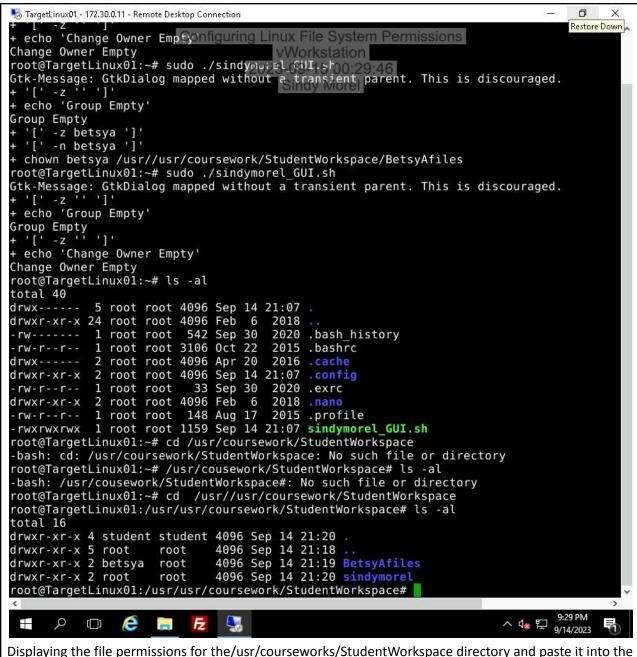
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## Section 2: Applied Learning

## Part 1: Create New Directories and Ownership with a Program

```
$$\text{TargetLinux01 - 172.30.0.11 - Remote Desktop Connection}$$
 !/bin/bash
#sindymorel: Create Application Dynamics Florage Window and Spietds
frmdata=$(yad --title "Create Directory\\o-farm --width 300 --height 300\
            --field="Change O
             --field="Change Owner" \
             --directory \
#Capture and parse user INPUT from fields
frmPath=$(echo $frmdata | awk 'BEGIN {FS="|"}{ print $1}')
frmDirName=$(echo $frmdata | awk 'BEGIN {FS="|"}{ print $2}')
frmGroup=$(echo $frmdata | awk 'BEGIN {FS="|"}{ print $3}') #If blank, default to root
frmChgOwn=$(echo $frmdata | awk 'BEGIN {FS="|"}{ print $4}') #If blank, default to roo
#Excecute command with user input as a variable
mkdir -p $frmPath$frmDirName
#Logic to check for empty variable in the Group and Owner fields and add error handlin
  -z - if variable is empty
  -n = if variable is not empty
set -x
if [ -z "$frmGroup" ];then
      echo "Group Empty"
elif [ -n "$frmGroup" ]; then
      chgrp $frmGroup $frmPath$frmDirName
if [ -z "$frmChgOwn" ]; then
      echo "Change Owner Empty"
elif [ -n "$frmChgOwn" ]; then
       chown $frmChgOwn $frmPath$frmDirName
```

Completed program script



Displaying the file permissions for the/usr/courseworks/StudentWorkspace directory and paste it into the Lab Reports file.

Part 2: Change File Permissions with a Program



