CSC 5991 Homework 2

You will need the following environments:

1. Kali Linux
2. Ubuntu Client

Please make the following modifications to your new account:

1) create a new group called newUser

2) Create a user (assignment2) into that group.

3) Change your existing environment so that all your files will have the proper user and group permissions.

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Create a directory within your HOMEDIR called scripts.

1. Create new in shell program (in Kali) called assignment2a.sh with the following requirements:
   1. Create a while loop that looks an existence of a file called /tmp/check.txt.
   2. The program should sleep for 2 seconds and check again.
   3. Once the program finds the actual file, then it will create a new file called /tmp/done.txt.
   4. If the file isn’t found in a 2 hour window the program should error out and generate an ERROR.txt file in the users account stating that the process was not successful.

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A screenshot of a computer

Description automatically generated with medium confidence

1. Create a new program (in Ubuntu) called assignment2b.sh with the following requirements:
   1. Create a file call /tmp/sendMe.txt
   2. Generate a random time to wait 1 – 30 minutes in order to simulate a real application
   3. The program will then wait the given time and then copy the sendMe.txt to the Kali node and be renamed to /tmp/check

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Text

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1. The new account (assignment2) will be the account that files will be utilized for copying files between the 2 nodes.
2. The programs must then both stop and indicate what the exact time of stoppage was.