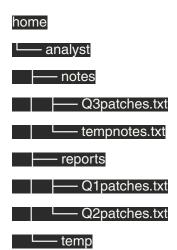
Manage Files with Linux Commands

Skills Acquired:

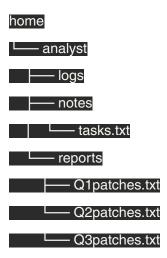
- Create and remove directories
- Copy, move, and remove files
- Edit files with the nano text editor

Scenario:

In this scenario, you need to ensure that the /home/analyst directory is properly organized. You have to make a few changes to the /home/analyst directory and the files it contains. You also have to edit a file to record the changes or updates you make to the directory. When you start, the /home/analyst directory contains the following subdirectories and files:



You need to modify the /home/analyst directory to the following directory and file structure:



Task 1. Create a new directory

First, you must create a dedicated subdirectory called logs, which will be used to store all future log files.

- 1. Create a new subdirectory called logs in the /home/analyst directory.
- List the contents of the /home/analyst directory to confirm that you've successfully created the new logs subdirectory.

```
analyst@0d729b0f7984:~$ pwd
/home/analyst
analyst@0d729b0f7984:~$ ls
notes reports temp
analyst@0d729b0f7984:~$ mkdir logs
analyst@0d729b0f7984:~$ ls
logs notes reports temp
analyst@0d729b0f7984:~$
```

Task 2. Remove a directory

Next, you must remove the temp directory, as you'll no longer be placing items in it.

- 1. Remove the /home/analyst/temp directory.
- 2. List the contents of the /home/analyst directory to confirm that you have removed the temp subdirectory.

```
analyst@0d729b0f7984:~$ ls
logs notes reports temp
analyst@0d729b0f7984:~$ rmdir /home/analyst/temp
analyst@0d729b0f7984:~$ ls
logs notes reports
analyst@0d729b0f7984:~$
```

Task 3. Move a file

The Q3patches.txt file contains notes taken on third-quarter patches and is now in the correct reporting format.

You must move the Q3patches.txt file from the notes directory to the reports directory.

- 1. Navigate to the /home/analyst/notes directory.
- Move the Q3patches.txt file from the /home/analyst/notes directory to the /home/analyst/reports directory.
- List the contents of the /home/analyst/reports directory to confirm that you have moved the file successfully.

```
analyst@0d729b0f7984:~$ pwd
/home/analyst
analyst@0d729b0f7984:~$ ls
logs notes reports
analyst@0d729b0f7984:~$ cd notes
analyst@0d729b0f7984:~/notes$ mv Q3patches.txt /home/analyst/reports
analyst@0d729b0f7984:~/notes$ cd /home/analyst/reports
analyst@0d729b0f7984:~/reports$ ls
Q1patches.txt Q2patches.txt Q3patches.txt
analyst@0d729b0f7984:~/reports$
```

Task 4. Remove a file

Next, you must delete an unused file called tempnotes.txt from the /home/analyst/notes directory.

- 1. Remove the tempnotes.txt file from the /home/analyst/notes directory.
- 2. List the contents of the /home/analyst/notes directory to confirm that you've removed the file successfully.

No files should be listed in the notes directory.

```
analyst@0d729b0f7984:~/reports$ cd /home/analyst/notes
analyst@0d729b0f7984:~/notes$ ls
tempnotes.txt
analyst@0d729b0f7984:~/notes$ rm tempnotes.txt
analyst@0d729b0f7984:~/notes$ ls
analyst@0d729b0f7984:~/notes$
```

Task 5. Create a new file

Now, you must create a file named tasks.txt in the /home/analyst/notes directory that you'll use to document completed tasks.

- Use the touch command to create an empty file called tasks.txt in the /home/analyst/notes directory.
- List the contents of the /home/analyst/notes directory to confirm that you have created a new file.

```
analyst@0d729b0f7984:~/notes$ pwd
/home/analyst/notes
analyst@0d729b0f7984:~/notes$ touch tasks.txt
analyst@0d729b0f7984:~/notes$ ls
tasks.txt
analyst@0d729b0f7984:~/notes$
```

Task 6. Edit a file

Finally, you must use the nano text editor to edit the tasks.txt file and add a note describing the tasks you've completed.

- Using the nano text editor, open the tasks.txt file that is located in the /home/analyst/notes directory.
- 2. Copy and paste the following text into the text input area of the nano editor:

Completed tasks

- 1. Managed file structure in /home/analyst
 - 3. Press **CTRL+X** to exit the nano text editor.

- 4. Press Y to confirm that you want to save the new data to your file.
- 5. Press **ENTER** to confirm that **File Name to Write** is tasks.txt.
- Use the clear command to clear the Bash shell window and remove any traces of the nano text input area.
- 7. Display the contents of the tasks.txt file to confirm that it contains the updated task details.

analyst@0d729b0f7984:~/notes\$ cat tasks.txt Completed tasks

1. Managed file structure in /home/analyst
analyst@0d729b0f7984:~/notes\$