

File Permissions in Linux

Project description:

The scenario, the research team tasked me to modify the permissions for files and directories within the project directory. The operating system is Linux, indicating that the tasks require a command-line interface (Linux Bash Shell) approach via Linux terminal.

Verify file and directory details:

To commence, I wrote the command `ls`, to display directories available. As a result, the project is the only directory listed. The command `ls` with the `-la` displays file contents as well as the hidden files within the directory of the project. The result shows there is one hidden file within the project directory. The hidden file conventions start with a `(.)` period, follow by its name. In this scenario “. project_x.txt” is the hidden file. Other findings include four project files that ends with a .txt file extension and a drafts directory.

```
researcher2@bd0202b25423:~/projects$ ls -la
total 32
drwxr-xr-x 3 researcher2 research_team 4096 Dec 19 04:49 .
drwxr-xr-x 3 researcher2 research_team 4096 Dec 19 05:29 ..
-rw--w---- 1 researcher2 research_team  46 Dec 19 04:49 .project_x.txt
drwx--x--- 2 researcher2 research_team 4096 Dec 19 04:49 drafts
-rw-rw-rw- 1 researcher2 research_team  46 Dec 19 04:49 project_k.txt
-rw-r----- 1 researcher2 research_team  46 Dec 19 04:49 project_m.txt
-rw-rw-r-- 1 researcher2 research_team  46 Dec 19 04:49 project_r.txt
-rw-rw-r-- 1 researcher2 research_team  46 Dec 19 04:49 project_t.txt
researcher2@bd0202b25423:~/projects$
```