# **7.4 Guided Exercise: Linux File Permissions**

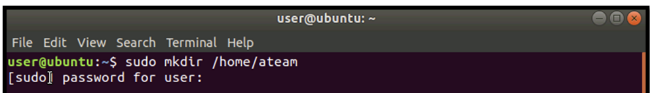
|  |  |
| --- | --- |
| **Resources** | |
| Files | None |
| Machines | Ubuntu Server |

Login to Ubuntu Server with the following credentials:

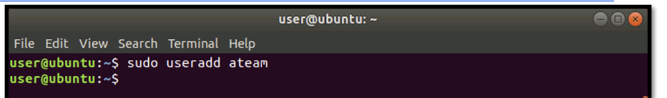
Username: user  
Password: Pa$$w0rd

Once logged in click on the terminal icon (last icon) on the left side menu.

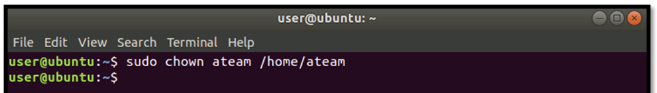
Create a directory in /home called ateam with the command sudo mkdir /home/ateam. When prompted enter the user password and the press the enter button



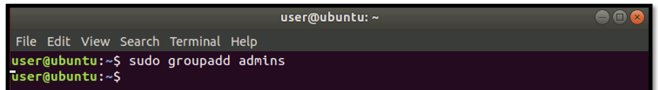
Create a user called ateam with the command sudo useradd ateam.

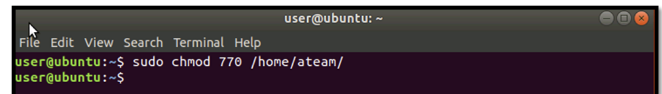


Change the user ownership of the ateam directory to the user ateam with the command sudo chown ateam /home/ateam

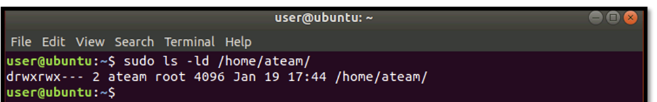


Create a group called admins with the command sudo groupadd admins

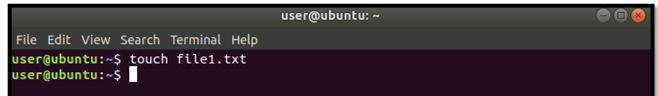
  
Ensure on the ateam directory the user ateam and group admins to have full permissions. All other users of the system should not have permissions. Use the command sudo chmod 770 /home/ateam.

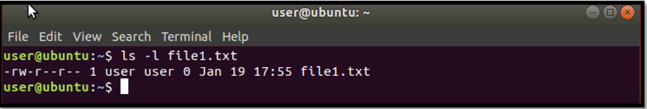


Confirm that you have set the correct permissions using the command sudo ls –ld /home/ateam



In your home directory create a file named file1.txt using the command touch file1.txt

  
View the permissions of the file using the command ls –l file1.txt



Give to the group the write permission using the command chmod g+w file1.txt. Then confirm it using the command ls –l file1.txt

