Manage Permissions

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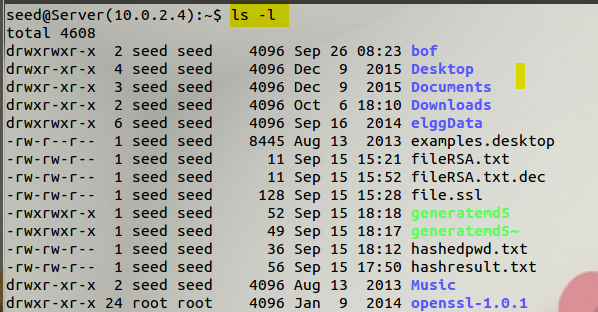
**Lab Environment**

We have created two accounts in the VM. The usernames and passwords are listed in the following:

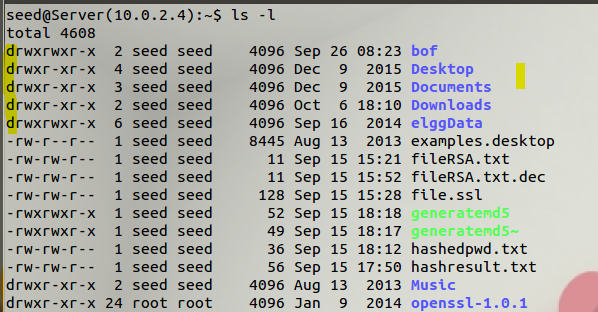
* + User ID: root, Password: *seedubuntu*.
  + Note: Ubuntu does not allow root to login directly from the login window. You have to login as a normal user, and then use the command **su** to login to the root account.
  + User ID: seed, Password: *dees*

**Task 1: Checking Permissions**

1. List files using the **ls** command with the **-l** or **long switch**.

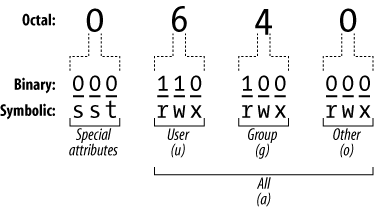


1. Identifying a File or Directory: **d**: directory **-**: file



1. Identifying the Permissions

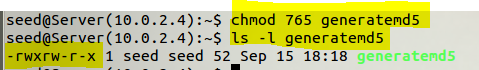




* 1. Permission Groups. Each file and directory has three user based permission groups:
* **owner** - The Owner permissions apply only the owner of the file or directory, they will not impact the actions of other users.
* **group** - The Group permissions apply only to the group that has been assigned to the file or directory, they will not effect the actions of other users.
* **all users** - The All Users permissions apply to all other users on the system, this is the permission group that you want to watch the most.
  1. Permission Types. Each file or directory has three basic permission types:
* **read** - The Read permission refers to a user's capability to read the contents of the file.
* **write** - The Write permissions refer to a user's capability to write or modify a file or directory.
* **execute** - The Execute permission affects a user's capability to execute a file or view the contents of a directory.

**Task 2: Changing the Actual Permissions of ChangeLog**

1. If you want to remove group execution permission of *generatemd5*



# Reference:

* http://www.cis.syr.edu/~wedu/seed/lab\_env.html
* <http://null-byte.wonderhowto.com/how-to/hack-like-pro-linux-basics-for-aspiring-hacker-part-7-managing-permissions-0147792/>
* https://www.safaribooksonline.com/library/view/linux-pocket-guide/9780596806347/re44.html