

Sun City Summerlin Computer Club

Linux SIG -November 28, 2007

File Permissions

To view file and directory/folder permissions

1. Open *Nautilus*
2. Select *List* mode
3. Click on *Edit* and select the *List Columns* tab
4. Check the *Group*, *Owner* and *Permissions* boxes
5. From the Terminal window enter:
`ls -l` (lower case *ells*)

The *Permissions* column

Three categories of permissions

Owner **Group** **World (everyone else)**

Each one has three settings

Read(r) **Write(w)** **Execute(x)**

An example:

	Owner	Group	World
1	2 3 4	5 6 7	8 9 10
-	r w x	r - x	- - x

The first column will be either *d* or *l*

d - indicates a directory/folder

l - indicates a *link* (Windows shortcut, Macintosh alias)

In the example above:

The **Owner** (2, 3, 4) has *read*, *write* and *execute* permissions

The **Group** (5, 6, 7) has *read* and *execute* permissions (no write permission)

The **World** (8, 9, 10) has *execute* only permission (no read or write permission)

Note: Write permission implies permission to delete the file

In the above example, only the owner (who has write permission) can modify or delete the file.

Users and Groups

Click on System -> Administration -> Users and Groups

Enter the admin password if prompted

Users

To create a new user:

- Click on + *Add user*
- Under the *Account* tab
Fill in the user info including a password
- Under the *User Privileges* tab
Select the privileges (be careful about assigning *Administer the System*)

To modify a users account

- Select a user
- Click on *Properties*

To delete a user

- Select the user
- Click on *Delete*

Groups

Click on *Manage Groups*

Add and *Delete* are similar to adding and deleting users.

To add or delete a user from a group

- Select a group
- Click on *Properties*
- Check the user name to be added to the group
- Uncheck the user to be deleted from the group