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## Basic Unix

The ICI-SC clusters are accessed through a command line interface. Users must be able to navigate using Linux/UNIX commands.

Here are a few basic UNIX commands that are helpful in getting started on the clusters:

- Show pathname of current directory:

```
pwd
```

- List files:

```
ls
```

- Make a directory:

```
mkdir directory-name
```

- Change directory:

```
cd directory-name
```

- Change directory back to home directory:

```
cd
```

- Copy a file:

```
cp old-filename new-filename
```

- View a file (3 options):

```
cat filename  
more filename  
less filename
```

- Edit a file (3 options):

```
nano filename  
emacs filename  
vi filename
```

- Delete a file:

```
rm -iv filename
```

- Delete a directory (recursively<sup>1)</sup>):

```
rm -rf directory-name
```

- Move a file:

```
mv -v old-filename new-filename
```

- Change permissions:
  - Arguments to chmod command: ugo+ - rwx
  - where ugo are user, group and other; rwx are read, write and execute
  - Add execute permission for yourself:

```
chmod u+x filename
```

- Remove read, write and execute for group and other from a directory and its contents:

```
chmod -R go-rwx directory-name
```

- Man Pages: the man command will give usage information for any UNIX command. Press space bar or enter to page through man page. Type q to quit.

```
man ls
```

[more here...](#)

1)

All files and subdirectories are deleted, use this command with CARE

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