



Command Line Fu

Change Ownership	
chown user:group filename	change the owner and group of a file or directory
chown user filename	change only the owner of a file or directory
chown :group filename	change only the group of a file or directory
<p><code>chown bob:alice ~/myfile.txt</code> make bob the owner of ~/myfile.txt make alice the group of ~/myfile.txt</p> <p><code>chown bob ~/myfiles/owner.txt</code> make bob the owner of ~/myfiles/myfile.txt</p> <p><code>chown :alice ~/herfiles/list.txt</code> make alice the group of ~/herfiles/list.txt</p> <p><code>chown -R bob ~/bobsfiles/</code> make bob the owner of the ~/bobsfiles/ directory and everything below it</p>	
Changing Permissions	
chmod [mode] filename	Change permissions to [mode]
<p>rwxr-x---</p> <p>owner group other</p> <p>421 421 421</p> <p>7 5 0</p>	<p><code>chmod 660 ~/myfile.txt</code> Change ~/myfile.txt to rw-rw----</p> <p><code>chmod 770 ~/files/leteveryonein/</code> change ~/files/leteveryonein to rw-rwx---</p> <p><code>chmod -R 640 ~/myfiles</code> change ~/myfiles and all the files and directories below it to rw-r-----</p>
Copy, Delete, Rename	
mv /mydir/myfile /myotherdir/	move myfile to myotherdir
mv /mydir/myfile /mydir/mynewfile	rename myfile to mynewfile
mv -R /mydir/ /myotherdir/	Move entire directory structure
cp /mydir/myfile /myotherdir/	copy myfile to myotherdir



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<code>cp -R /mydir/ /myotherdir/</code>	copy all files and directories in /mydir/ to /myotherdir/
<code>rm /mydir/myfile</code>	delete myfile
<code>rm -f /mydir/myfile</code>	delete myfile and don't ask questions
<code>rm -rf /mydir/</code>	delete mydir and all files and subdirectories below it - don't ask any questions
Find Files	
<code>find /mydir -iname "b*"</code>	case insensitive search for all files that start with the letter b or B in /mydir or below
<p><code>find /mydir -name "br*" -perm 0660</code> find all files in /mydir or below that begin with br and have the permissions <code>rw-rw----</code></p> <p><code>find /mydir -iname "*.mp3" -exec cp {} ~/MyMusic/ \;</code> find all files with an extension of .mp3 in /mydir and below. Execute cp for each file and copy them to ~/MyMusic</p>	
Miscellaneous commands	
<code>touch /mydir/myfile</code>	create empty myfile
<code>ls -la /mydir</code>	show all files including hidden ones
<code>ls -lr /mdir</code>	long directory in reverse alphabetical order
<code>ls -lR /mydir</code>	long directory of /mydir and all of its subdirectories