

Use this handy cheat sheet with examples for how to manage Linux users and permissions.

| ADD USERS |
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| CREATE A USER (CALLED "ASHLEY") |
| <code>useradd --create-home ashley</code> |
| CREATE A USER IN GROUPS "USERS" AND "DEV" |
| <code>useradd --create-home --groups users dev ashley</code> |
| CREATE A USER WITH THE UID 1337 |
| <code>useradd --create-home --uid 1337 ashley</code> |
| CREATE OR CHANGE A USER PASSWORD |
| <code>passwd ashley</code> <enter password> |
| ADD USER TO A GROUP ("CODER") |
| <code>usermod --append --groups coder ashley</code> |

| DELETE USERS |
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| REMOVE A USER FROM A GROUP ("CODER") |
| <code>gpasswd --delete ashley coder</code> |
| DELETE A USER FROM THE SYSTEM |
| <code>userdel ashley</code> |
| DELETE A USER AND ALL USER DATA FROM THE SYSTEM |
| <code>userdel --remove ashley</code> |

| HISTORY |
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| SHOW WHICH USERS ARE CURRENTLY LOGGED IN |
| <code>w</code> |
| SHOW LOGIN HISTORY |
| <code>last</code> |

| PERMISSIONS |
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| SET DEFAULT PERMISSION OF FILES TO 644 |
| <code>echo "umask 022" >> /etc/profile</code> |
| SET DEFAULT PERMISSION OF FILES TO 664 |
| <code>echo "umask 002" >> /etc/profile</code> |
| CHANGE OWNERSHIP OF A FILE ("EXAMPLE.TXT") TO USER ("ASHLEY") |
| <code>chown ashley:users example.txt</code> |
| GIVE READ PERMISSION TO USER, GROUP, AND OTHERS |
| <code>chmod ugo+r example.txt</code> |
| GIVE WRITE PERMISSION TO USER AND GROUP |
| <code>chmod ug+w example.txt</code> |
| REMOVE WRITE PERMISSION TO A FILE FOR GROUP MEMBERS |
| <code>chmod g-w example.txt</code> |
| MAKE A FILE EXECUTABLE |
| <code>chmod +x example.txt</code> |
| LOG IN AS A DIFFERENT USER |
| <code>su - ashley</code> |
| RUN A COMMAND ("LS") AS A DIFFERENT USER |
| <code>su - ashley --command ls</code> <i>Log in as a different user</i> Run a command as a different user |