



git

A distributed version control system

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Goals:

- Share code
- Track of any changes
- Maintain multiple versions
- Communicate changes



Introduction:

- Enter these lines (with appropriate changes):
 - `git config --global user.name "Raviteja"`
 - `git config --global user.email rkuppili@cray.com`
- If you want to use a different name/email address for a particular project, you can change it for just that project
 - *cd* to the project directory
 - Use the above commands, but leave out the `--global`



Working with git

Create repository:

- `cd` to the project directory
- `git init`
 - This will create `.git` folder/ repository

Adding files :

- `git add file1, file2 ...`
- `git add .`
 - Will add all files to the repository

Commit changes :

- `git commit -m "Initial commit"`
 - You can use a different commit message



Other git command

- `git push` : To push local changes to remote
- `git status` : To know status of your current directory
- `git clone URL` : Clone a repository from another server
- `git pull remote_repository` : Get changes from a remote repository and merge them into your own repository
- `git remote add origin remote_repository` : Importing existing repository



Workflow

- `git init / git pull remote_repository`
- `git status`
- `git add ./ git rm/ git mv etc`
- `git status`
- `git commit -m "Changes made"`
- `git push`



Questions?