



Work efficiently, stay organized, collaborate, and achieve
your dreams with

GitHub and version control

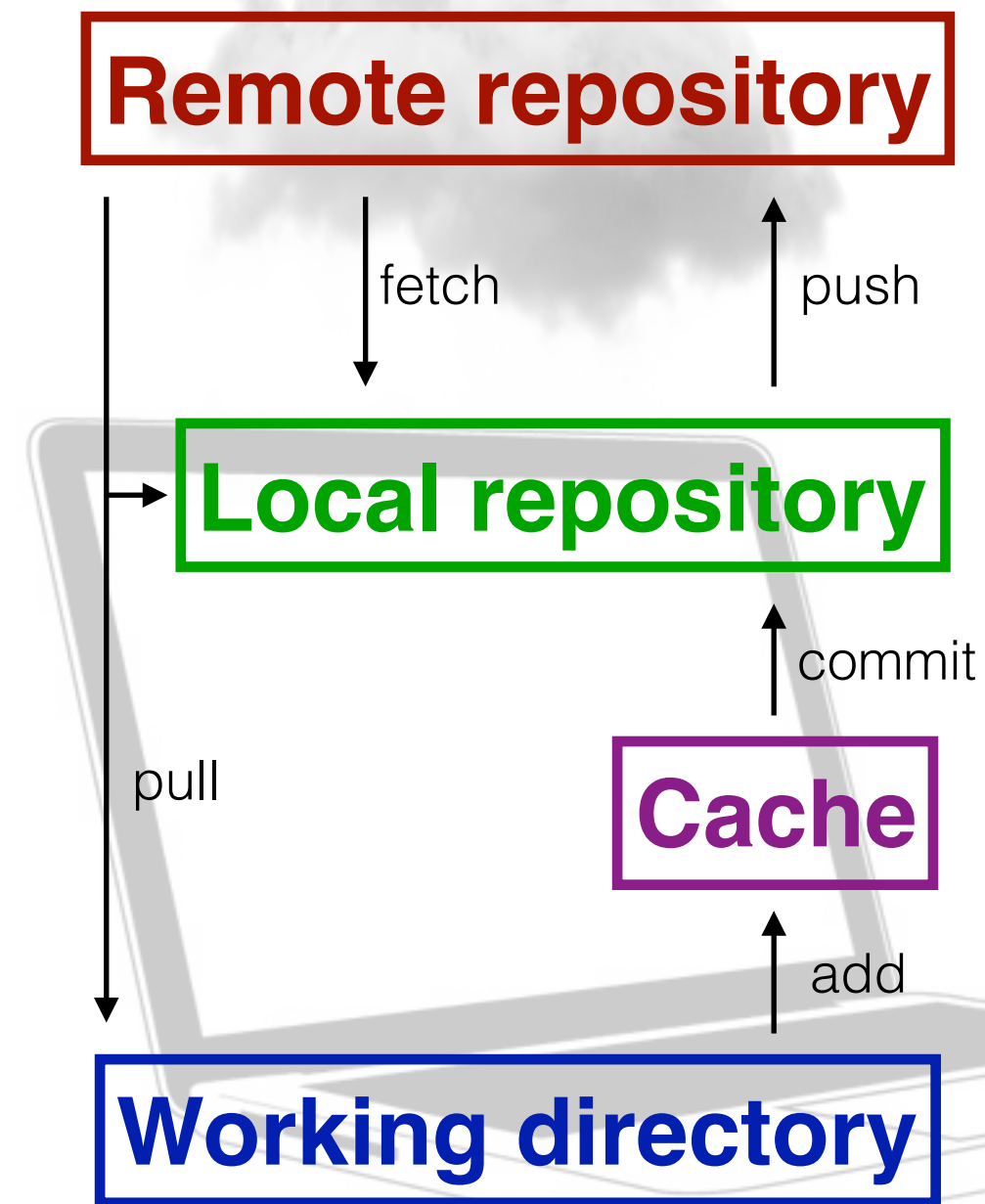
Snow Naing
PUBS 2018

Version control

- Experiment without interfering with working code
- Find when a bug arose in your code
- Maintain multiple versions of script
- Revert back to a working version of code after ruining it

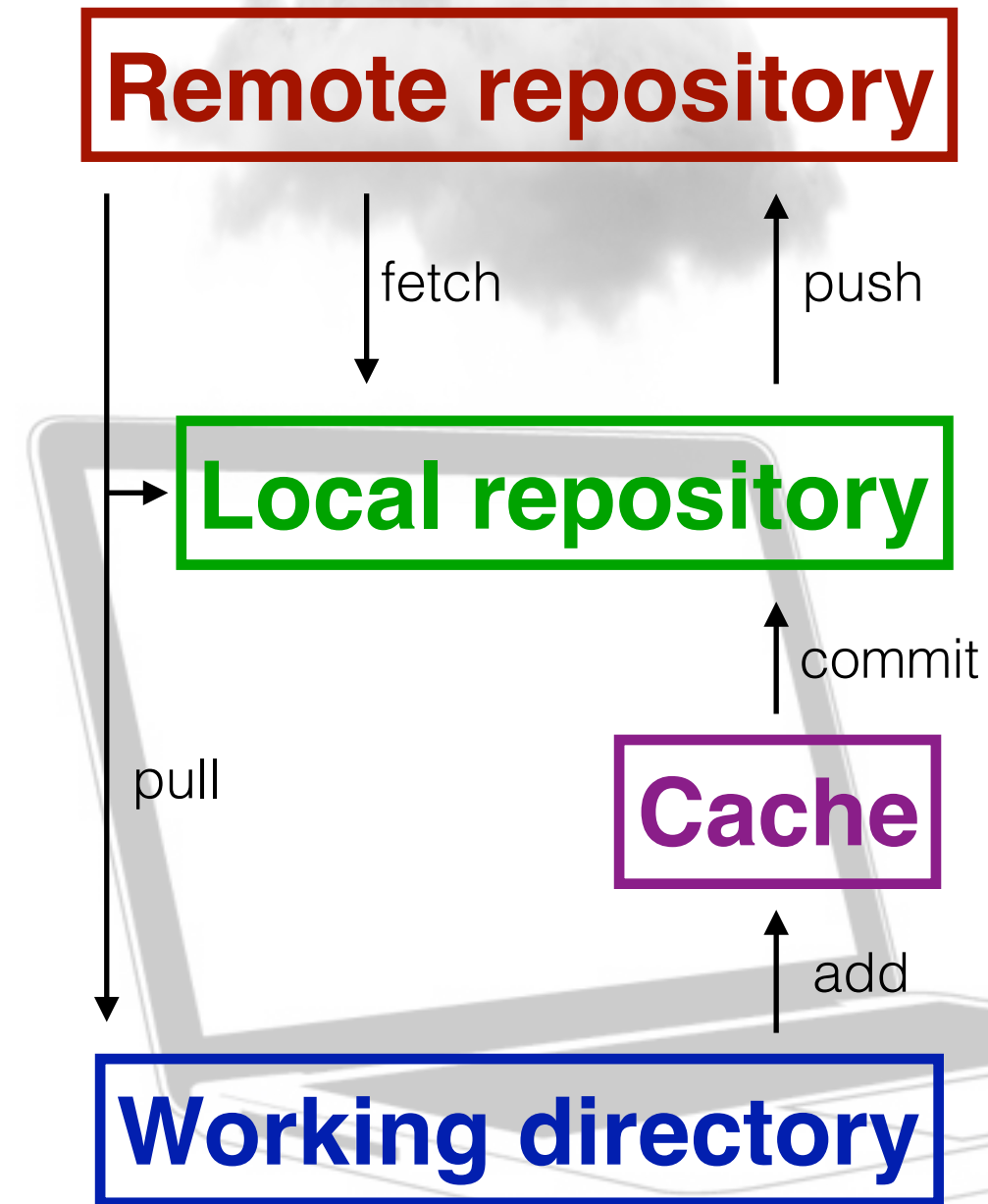
GitHub: What and why

- Git: remote Version Control System (VCS)
- The Hub: a place to store your work, network, and collaborate
- Repositories (“repos”) for organization
- Command-line and GUI interfaces



Workflow

1. Create and share a repository
2. Create a branch—your personal version of the master project/branch
3. Make and commit changes to your branch
4. Submit and review a pull request
5. Merge the pull request with the master



Creating a repository from Terminal

```
$ cd git_repo_directory #go to that directory from which you want to create the repo
```

```
$ touch README.md #make a file; you can't make a repo out of an empty folder
```

```
$ git init #initiate git
```

```
$ git add README.md #add the files to git
```

```
$ git commit -m "write a message about your file - what changes you have made"
```

```
$ curl -u 'github_username' https://api.github.com/user/repos -d '{"name":"REPONAME"}'
```

```
#This will then ask for your GitHub Password
```

```
$ git remote add origin git@github.com:github_username/REPONAME.git
```

```
$ git push -u origin master
```

Add Collaborators

The screenshot shows the GitHub interface for a repository named 'snow13bbc / gittest'. At the top, there are navigation links for 'Code', 'Issues', 'Pull requests', 'Projects', 'Wiki', and 'Insights'. To the right, there are buttons for 'Watch', 'Star', and 'Fork', each with a count of 0. The 'Settings' button is highlighted with a yellow box. On the left sidebar, the 'Collaborators' option is highlighted with a green box. The main content area is titled 'Collaborators' and includes the text 'Push access to the repository'. Below this, it states 'This repository doesn't have any collaborators yet. Use the form below to add a collaborator.' There is a search section with the heading 'Search by username, full name or email address' and a note: 'You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.' At the bottom of the search section is a text input field and an 'Add collaborator' button.

snow13bbc / gittest

Watch 0 Star 0 Fork 0

Code Issues 0 Pull requests 0 Projects 0 Wiki Insights Settings

Options

Collaborators

Branches

Webhooks

Integrations & services

Deploy keys

Moderation

Interaction limits

Collaborators Push access to the repository

This repository doesn't have any collaborators yet. Use the form below to add a collaborator.

Search by username, full name or email address

You'll only be able to find a GitHub user by their email address if they've chosen to list it publicly. Otherwise, use their username instead.

Add collaborator