



# Vogsphere, Github, & Bitbucket Cheat Sheet

Is This Thing On?

Kai [kai@42.us.org](mailto:kai@42.us.org)

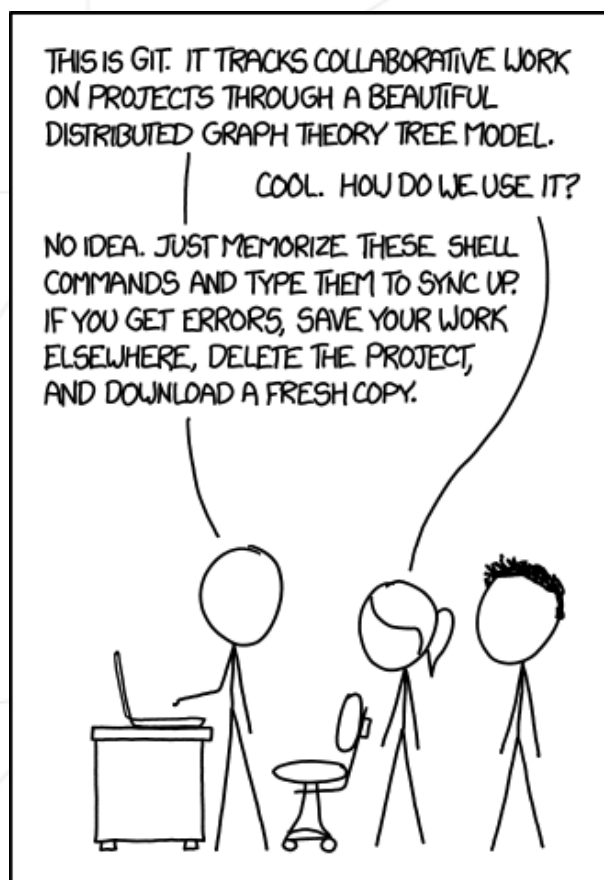
*Summary: With greatly confusing commands comes great collaboration ability.*

# Contents

<b>I</b>	<b>Preamble</b>	<b>2</b>
<b>II</b>	<b>Clone your Repository</b>	<b>3</b>
<b>III</b>	<b>Turning in your code</b>	<b>5</b>
<b>IV</b>	<b>Git Tips</b>	<b>6</b>
<b>V</b>	<b>Corrections</b>	<b>7</b>

# Chapter I

## Preamble



Read about our love-hate relationship with git at [explainxkcd.com](http://explainxkcd.com).

Beginner-friendly reference at [git ready!](#)

# Chapter II

## Clone your Repository

Recommended reference & optional effort: Michael Hartl's ["Learn Enough Git to be Dangerous"](#).

1. From your [First Day project page](#) on intra, copy the "Git Repository" link. (The one that looks like `vogsphere@vgs.42.us.org:intra/2017...`). If you do not have a link yet, make sure you are registered to the project, and wait about 5 minutes while refreshing the page.
2. Your Vosphere repositories have permissions connected to them which control who can download or add to the repository. In order to identify yourself from the terminal, type `"kinit <username>"` and press enter. Next, type your 42 password and press enter.
3. Now, in the terminal type `"git clone <copied link> (space) <newfoldername>"`. Replace `<link>` with your pasted link and `<newfoldername>` with a relevant name for the project folder. Press Enter.
4. `cd <foldername>` to move into the newly created folder. Everything that you place inside here can be uploaded to Vogsphere. You can also move files into this folder using Finder or the `"cp"` (copy) and `"mv"` (move) commands.
5. Complete the project requirements (see next page). All files for the project should go in the folder we just created.

```
e1z3r10p1% cd
e1z3r10p1% pwd
/nfs/2017/k/kedrumm
e1z3r10p1% ls
Applications      Documents      Library      Music      goinfre
Desktop           Downloads     Movies      Pictures
e1z3r10p1% mkdir 42
e1z3r10p1% git clone vogsphere@vgs.42.us.org:intra/2018/activities/h2s_first_day/kedrumm first_day
Cloning into 'first_day'...
vogsphere: (INFO) Transaction ID : 01e47ffe-aa9f-4ccc-82a8-89c1a461361d
vogsphere: (INFO) Please mention this ID in any ticket you create concerning this transaction
vogsphere: (INFO) This transaction has been started at 2018-01-26 18:32:00, server time.
vogsphere: (INFO) Rights will be determined using this time, so do NOT cut the connection.
vogsphere: (INFO) It appears you are kedrumm. If that's not true, check your Kerberos tickets (klist)
vogsphere: (INFO) You have read and write rights on this repository
warning: You appear to have cloned an empty repository.
e1z3r10p1% cd first_day
e1z3r10p1% ls -a
.      ..     .git
```

# Chapter III

## Turning in your code

Turn in your work by typing three commands in order (and press enter after each one):

- `git add *`
- `git commit -m "Today I worked on ..<your comments here>.."`
- `git push`



Make sure you are in your project's git folder when you type the git add, git commit, git push commands.



If you have an error during the git push, you may need to refresh your authentication ticket. Do this by typing "kinit <username>" and then typing your intra password.

Back on Intra, you can press the button "Set the Project as Finished" to indicate that you are ready for corrections.



Pushing to Vogsphere more often is one way of saving your work.

# Chapter IV

## Git Tips

1. You can tell that you are inside the correct folder for turning in your projects in a couple of ways. First of all, you can tell it's a git folder by typing "`ls -a`" and pressing enter. You will see the hidden `.git` folder which contains the files that git uses to keep track of changes.
2. Type "`git remote -v`" and enter. This will tell you what **remote branches** your git folder is connected to. By default, they should be the Vogsphere link that you copied earlier. If you read some git tutorials and/or talk to your mentor, you can set this up to connect to your personal Github or Bitbucket repositories as well.
3. Type "`git log`" and enter. This shows a history of changes you have made to your git repository.
4. To help with committing and pushing, type "`git status`". It will tell you which files have been **added** to git and which ones have been **pushed**.

# Chapter V

## Corrections

- On your project page, click the button "Subscribe to Defense." Choose a time slot from the screen that shows next.
- When the appointment time comes, look up your assigned corrector on Slack or Discord and send them a message. Find each other.
- Corrector, sit at the correctee's station and open a new web browser in Incognito mode. Log into your intra.
- Access the corrections page. Clone their Git repository into a new folder.
- Click "Begin correction" and follow the instructions on the correction page.
- Discuss the code and feel free to chat about life.
- Once the correction is finished, your corrector should remember to log out of Intra.
- After both the correction is complete, in order to finalize your score you must then provide feedback for the corrector on your project page. Go to your project page and click the "feedback" button for each completed correction.