



Git & Team Collaboration *Astar*

Contents

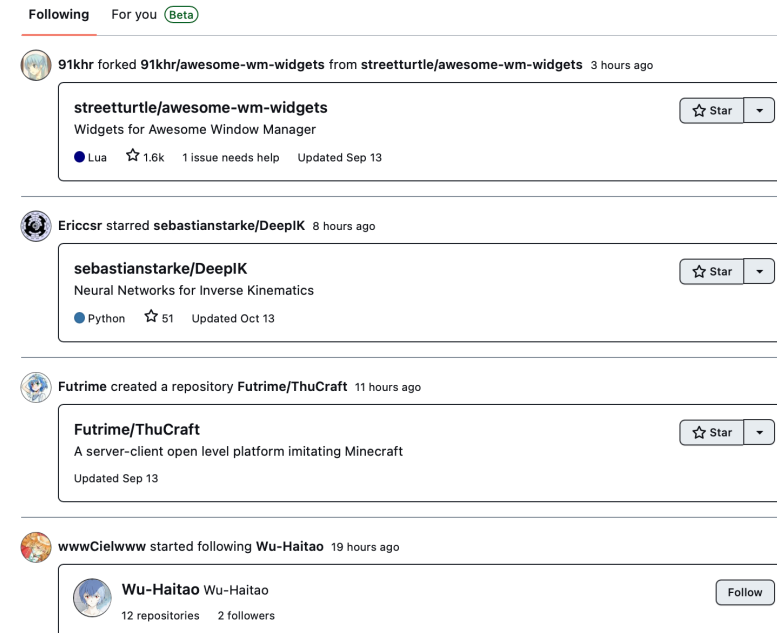
- What is git and GitHub
- How does git work
- How does GitHub work (as a social network for programmers?)
- Your first commit (to Astar)
- Tips for team collaboration



- A version control system



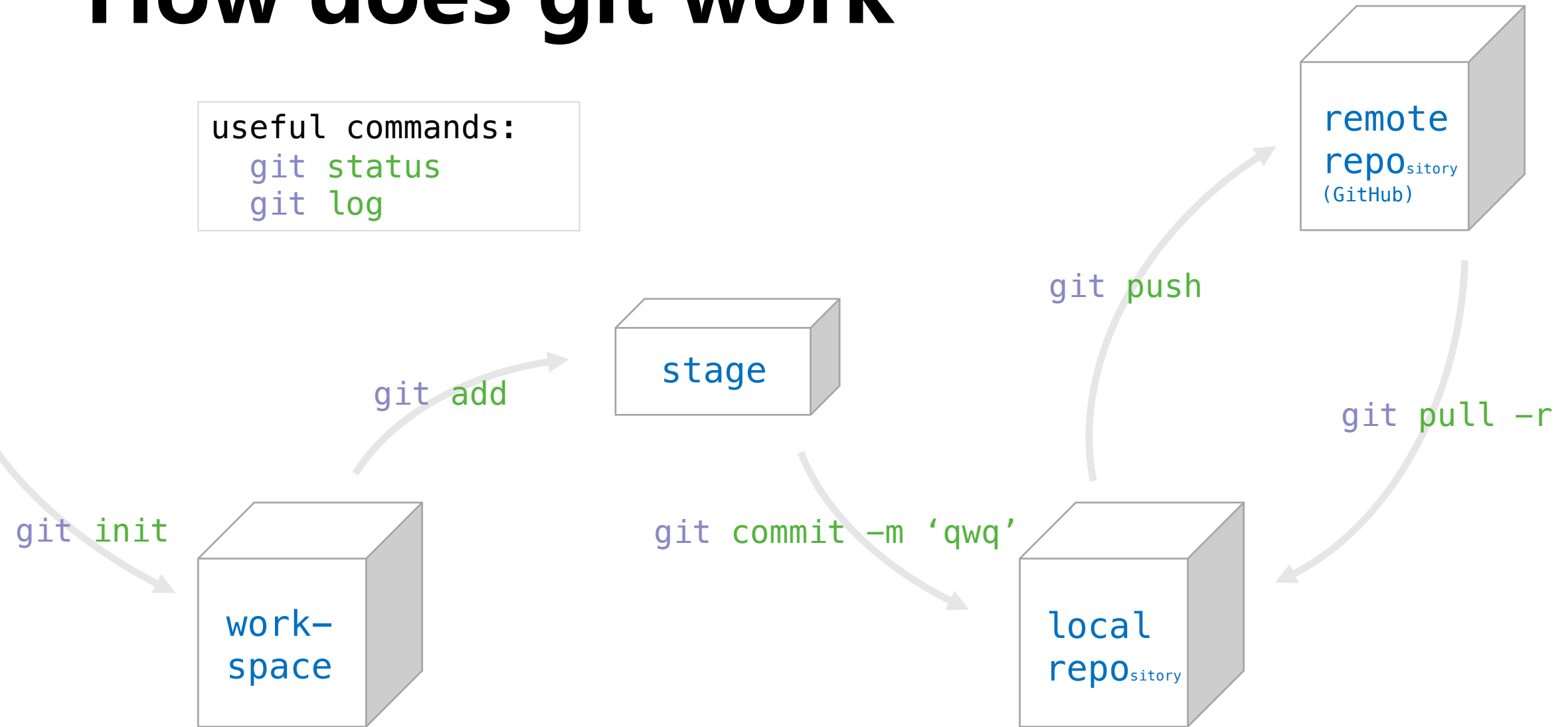
- A hosting service for git
- A technology community



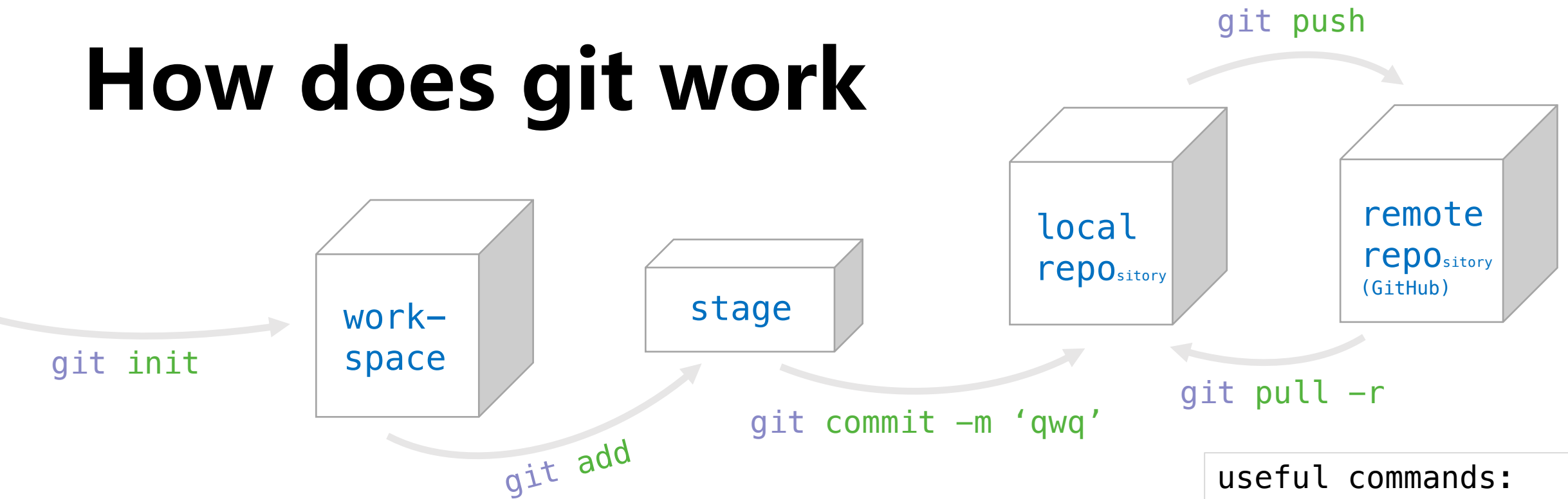
How does git work

useful commands:

```
git status  
git log
```



How does git work



Task

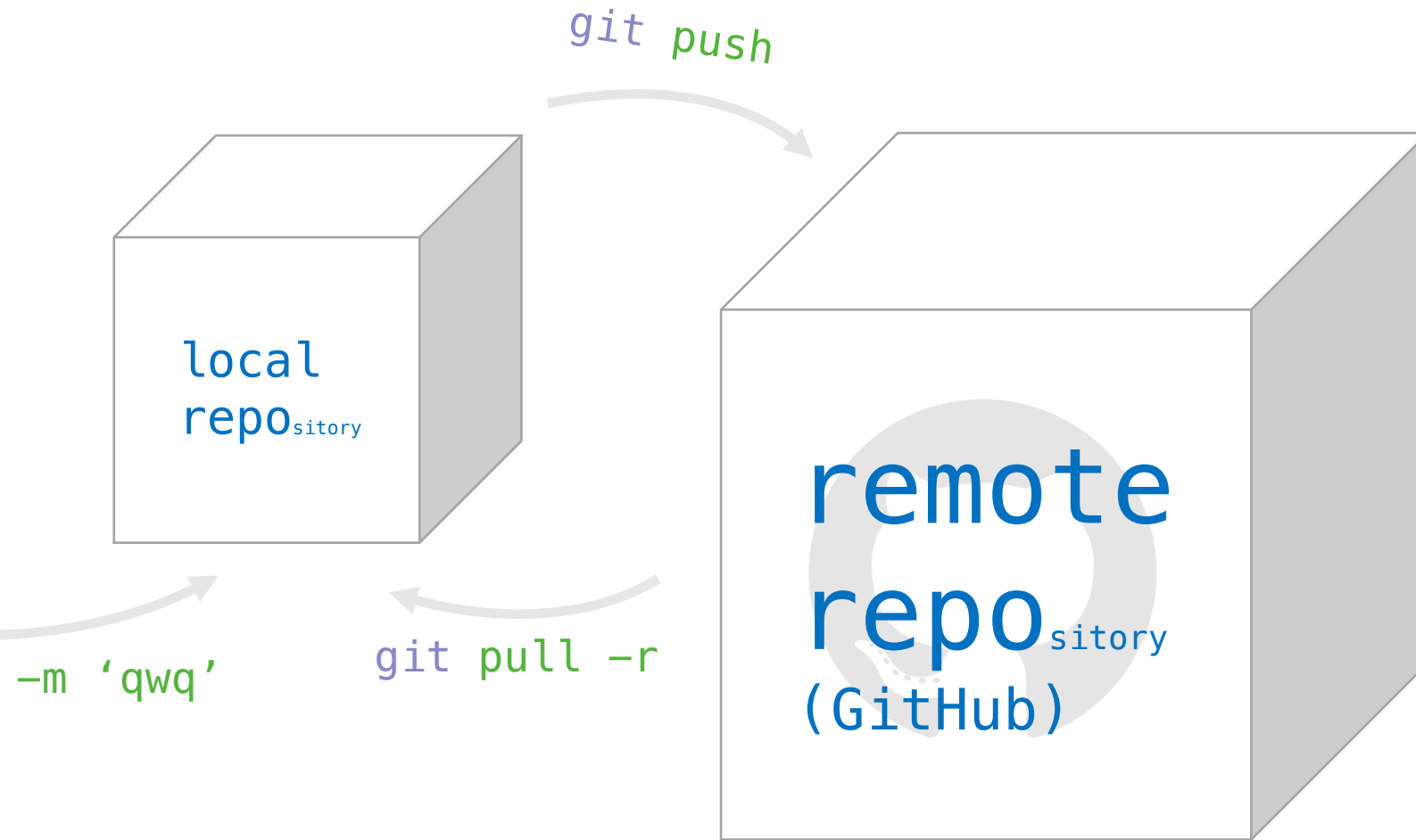
Install git on your computer*
Create a folder **GitTest**
Initialize the **git** environment
Create a file **a.txt** and write anything to it
Check **git status**
Add the file to the **stage** by **git add .**
Commit changes to the local **repository** by **commit**

useful commands:

```
git status  
git log
```

* windows: <https://git-scm.com/downloads>

How does GitHub work



Peek

Take a look at my GitHub!

Task

Create a GitHub account
Connect it to your local
Join Astar's organization
Commit through terminal

```
git add .  
git commit -m '...'  
git pull -r  
git push
```

```
git config --global user.name HelloElwin  
git config --global user.email helloelwin@qq.com
```

We are just getting started...

- Learn more about the git workflow*, try creating a branch
- Star a repository on GitHub
- Follow someone on GitHub
- Create your personal profile on GitHub by opening a repo named the same as your username
- More...

*<https://www.atlassian.com/git/tutorials/what-is-version-control>

Tips for team collaboration

- Learn to communicate friendly with your teammates
- Sometimes you must compromise to form a group plan
- Don't arbitrarily delete others' codes without permission



Q&A.

Have fun in Astar!