



**Introducing version control with Git and  
GitHub**

# Agenda

## 2. Introducing version control with Git and GitHub

- What is version control and why developers use it
- Creating GitHub account and configuring git
- Explaining and using GitHub and git



# What are we going to learn?

## Setting up Git and Github

What is the difference between git and github?





# What are we going to learn?

Centralized VCS

Distributed VCS

What is the difference between the two?



# What are we going to learn?

Create a Github account and  
configure git

<https://github.com/>

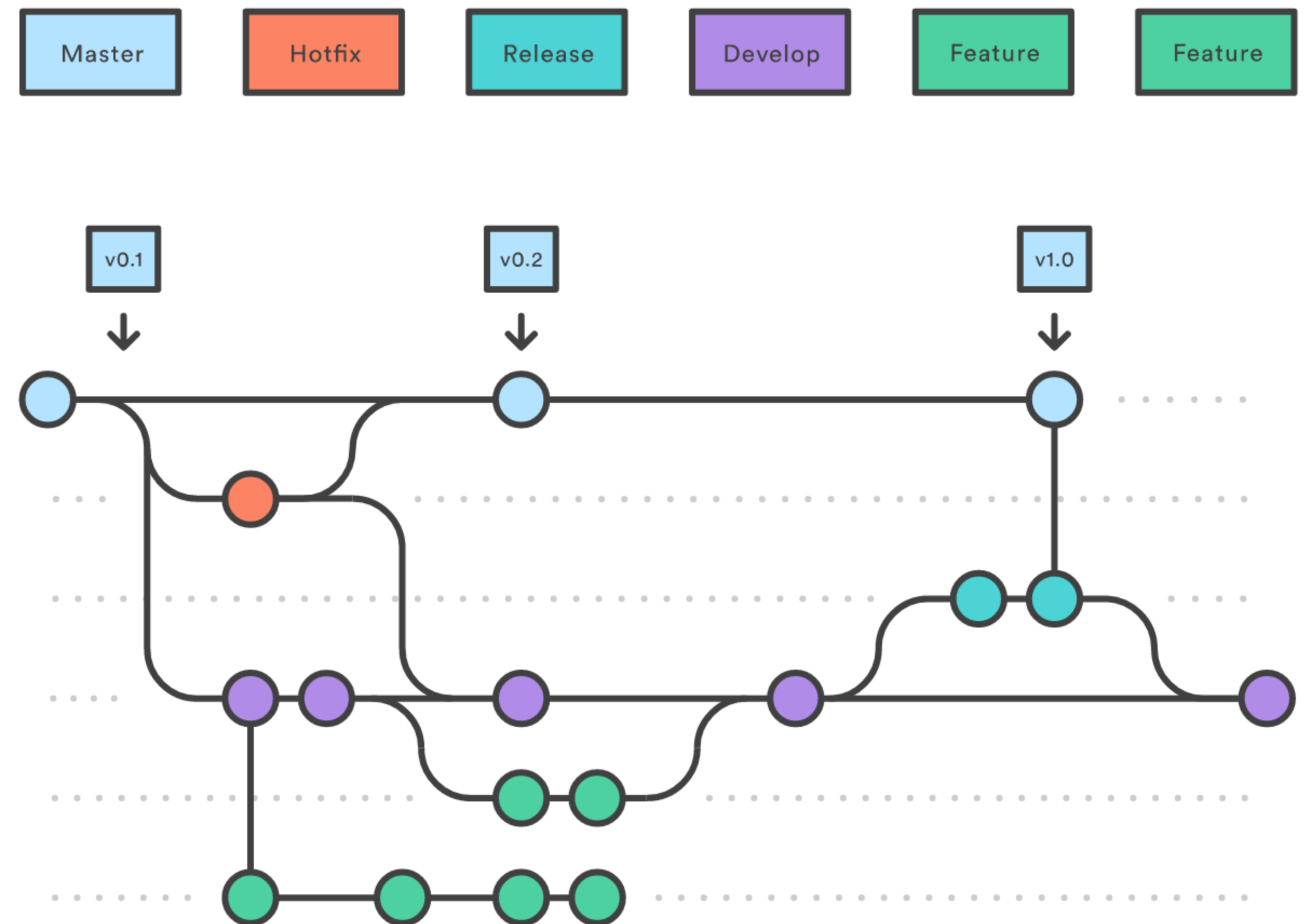
<https://www.jetbrains.com/help/pycharm/github.html>



# What are we going to learn?

## Basic Version Control concepts

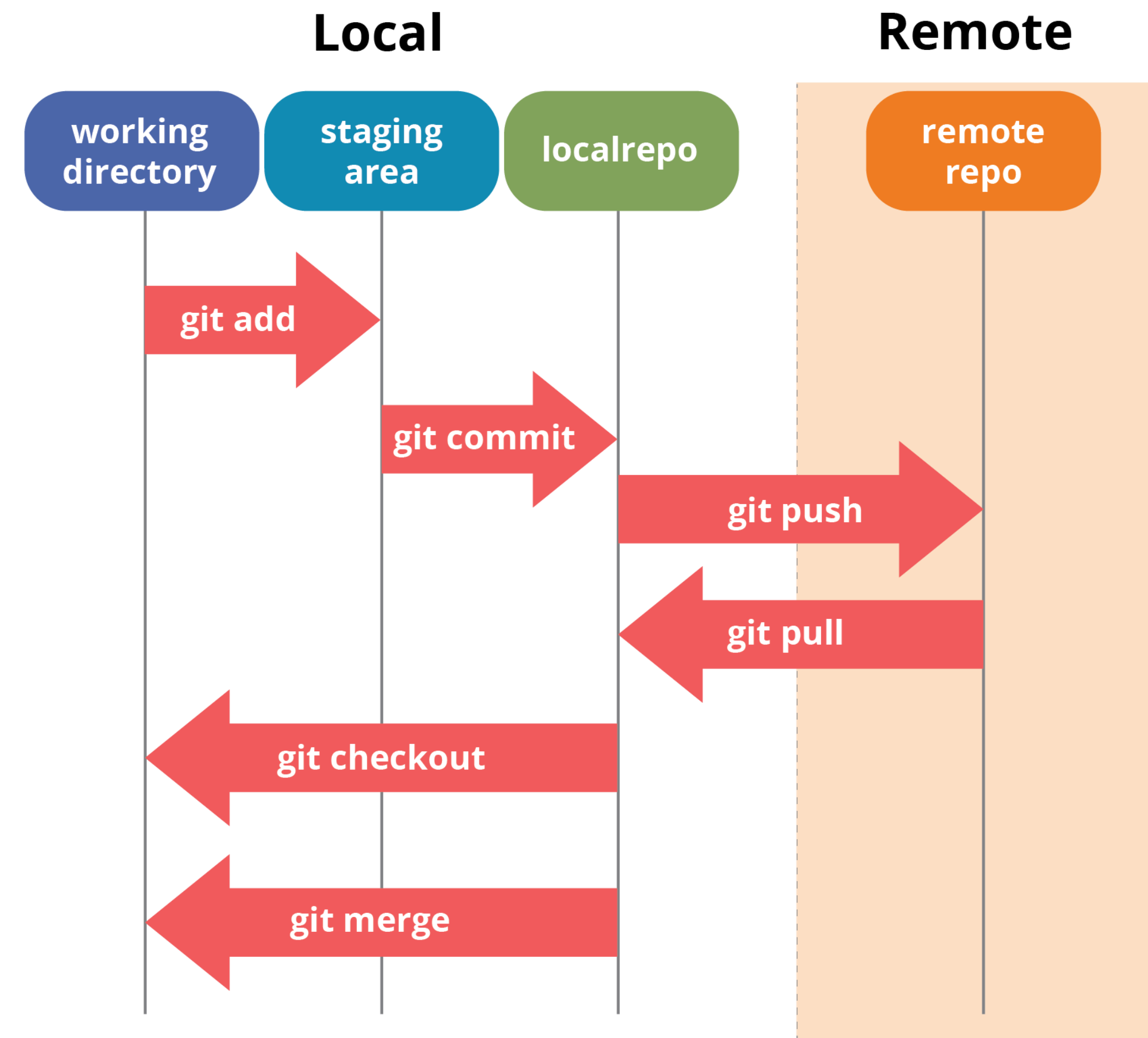
- branch
- remote
- origin
- pull request ( merge request )



# What are we going to learn?

## Basic git commands

- git status
- git pull
- git add
- git commit
- git push



# What are we going to learn?

## Exercises

- Create a new repo
- Push a .py file to the new repo
- Create new Pull Request
- Review the Pull Request
- Merge the PR



# What are we going to learn?

## Resources:

1. Pycharm and Github Setup guide -

[https://www.youtube.com/watch?v=sS7OOytmDcl&ab\\_channel=TechWebDocs](https://www.youtube.com/watch?v=sS7OOytmDcl&ab_channel=TechWebDocs)

2. Git and Github Tutorial

[https://www.youtube.com/watch?v=RGQj5yH7evk&ab\\_channel=freeCodeCamp.org](https://www.youtube.com/watch?v=RGQj5yH7evk&ab_channel=freeCodeCamp.org)

## Homework – hw-2.txt

# Time for **Questions**

