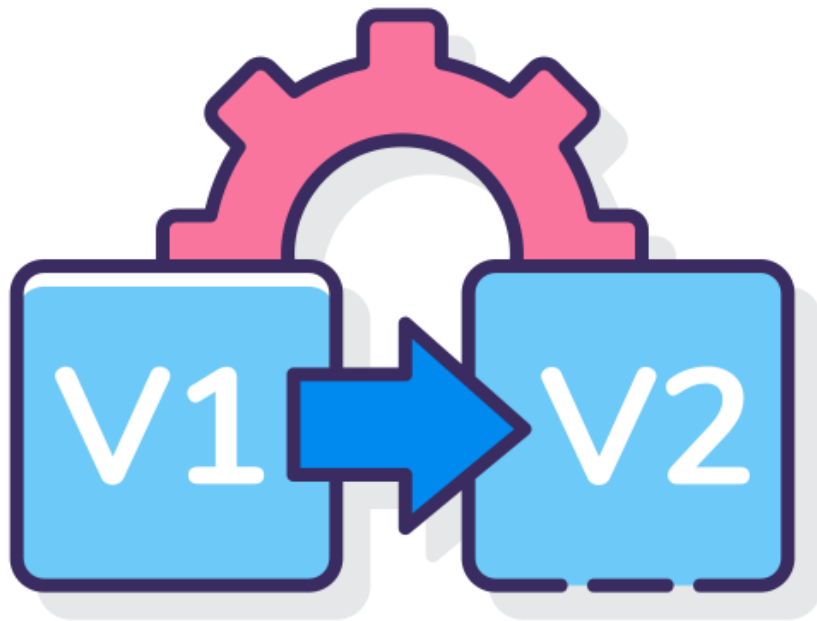




Intro to **GIT**

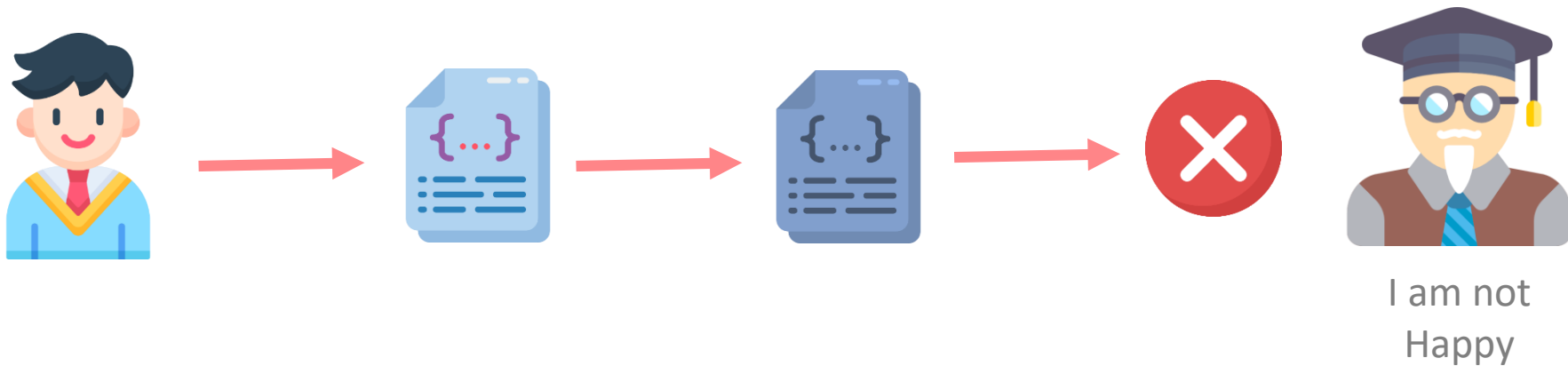
Agenda

- 1 : What is Version Control**
- 2 : Why do we need a VCS?**
- 3 : What are the different VCS available?**
- 4 : Git Overview**
- 5 : Getting started with Github**
- 6 : Git Installation**
- 7 : Git basic commands**

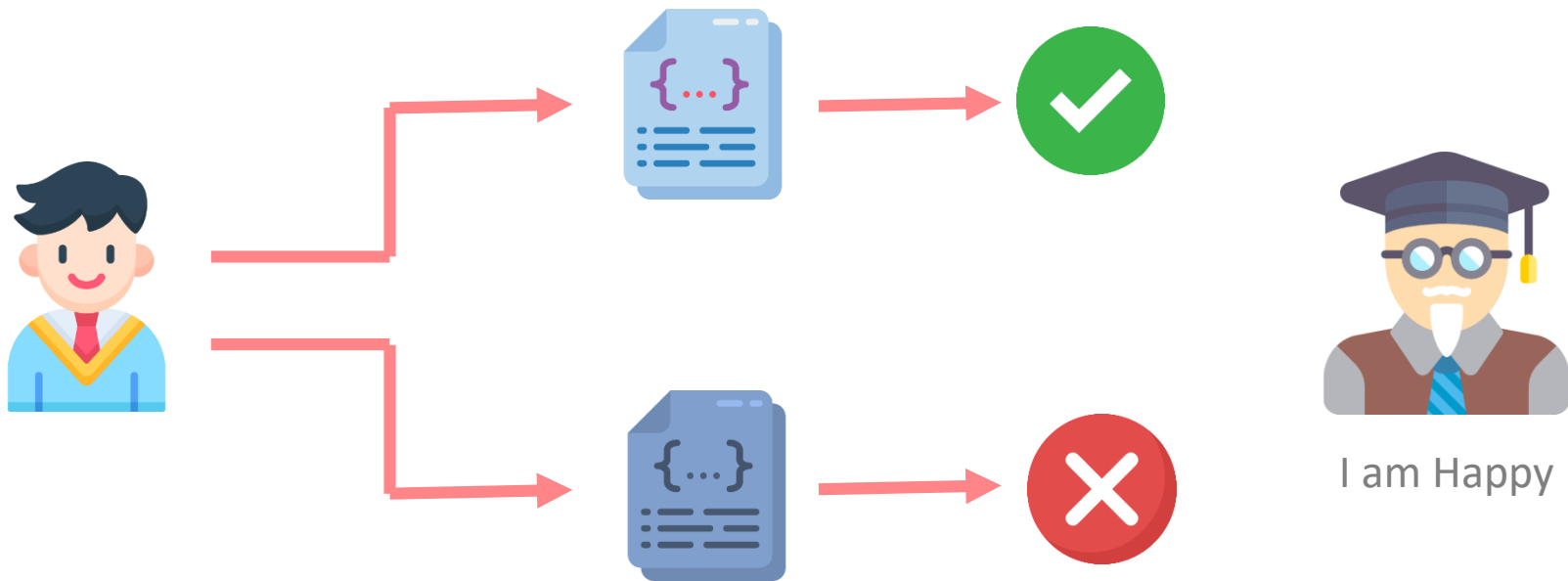


What is Version Control?

What is Version Control?



What is Version Control?



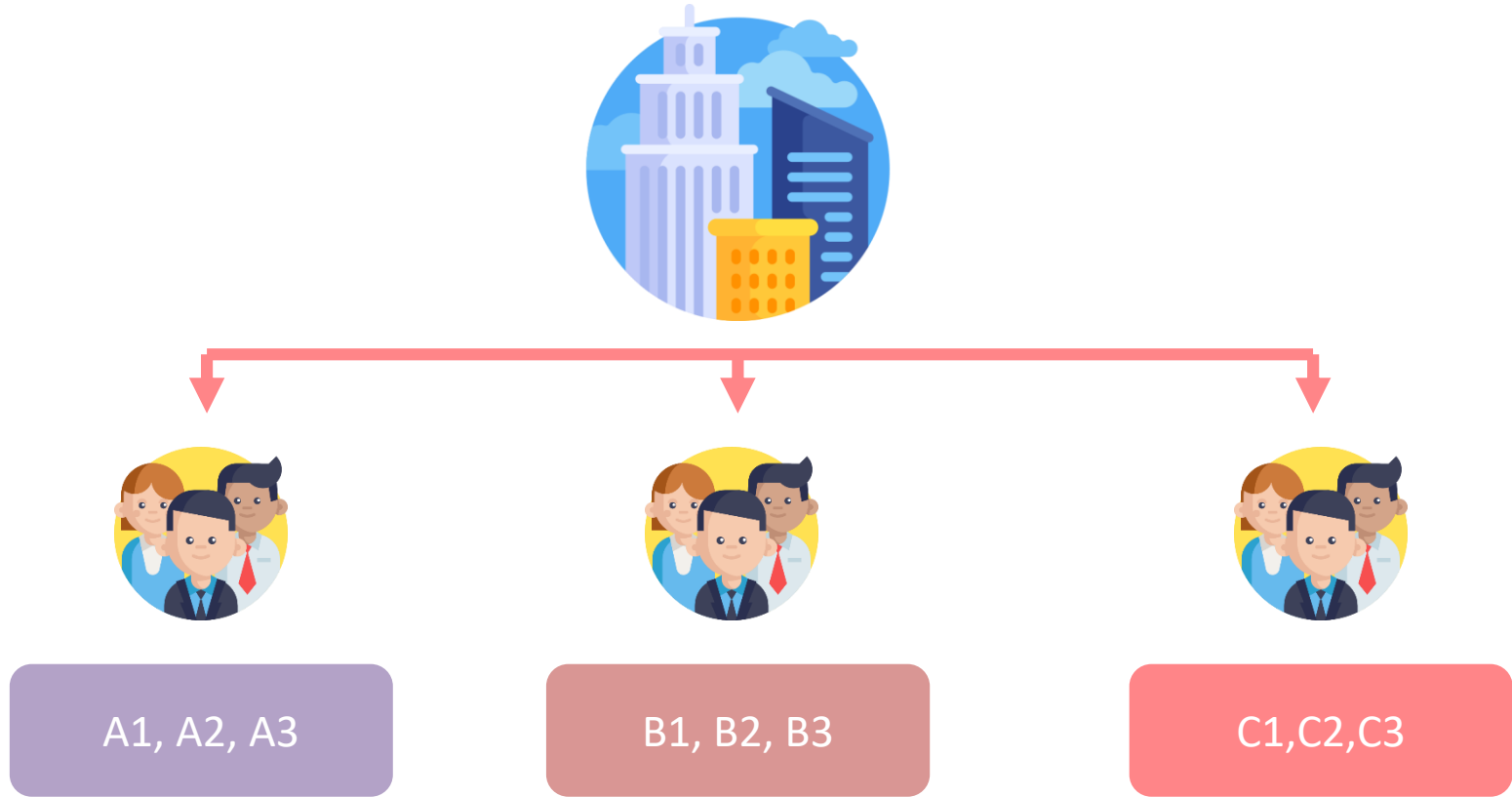
What is Version Control?

These days when software is developed, It is not developed with the mind-set that there will only be one piece of code that will be deployed and that's it. These days smaller snippets of code are deployed in regular successions with regular feedbacks. This leads to many different versions of the code.

And that creates a need to organise the code and all of its different version of it. This is where Version Control comes in. It is a practice of managing and storing different version of a source code.

This is especially the case with Larger companies that have multiple projects and multiple teams working within it.

What is Version Control?





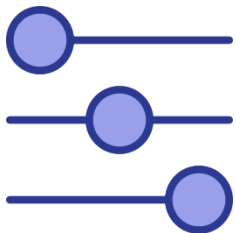
Why do we need a VCS?

Why do we need a VCS?

Just as we discussed, the purpose of a version control system is as the name suggests, It controls the different versions of the code. The idea of a VCS meshes very well with the DevOps ideology. It allows for quick delivery of code and automatic job triggering. This allows for easy automation of the whole software development pipeline.



Benefits of VCS



Control



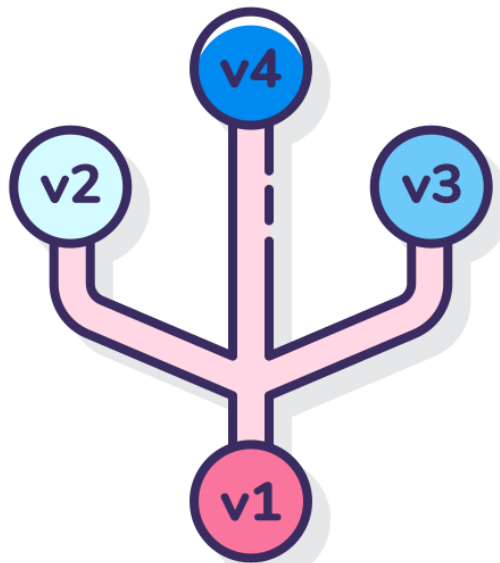
Security



Fast Delivery



Availability



What are the different VCS available?

What are the different VCS available?



git



mercurial



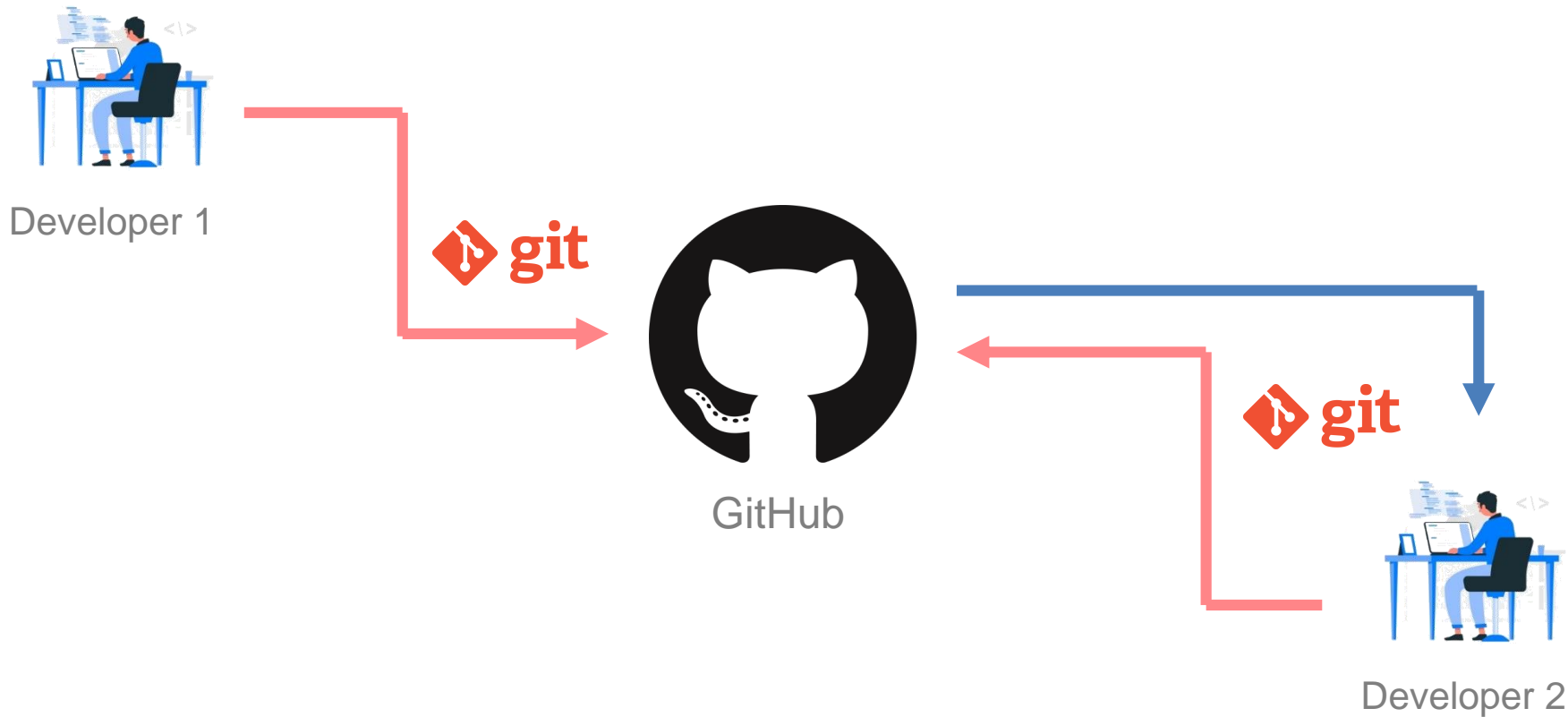
Git Overview

What is Git?

Git (global information tracker) is an open source distributed version control system or a source code management system. . It was developed by a group of Linux kernel developer who were not satisfied with any free source code manages that were available to them back in 2005.



What is Git?



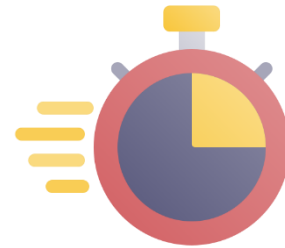
Git Features



System Compatibility



Collaboration



Speed



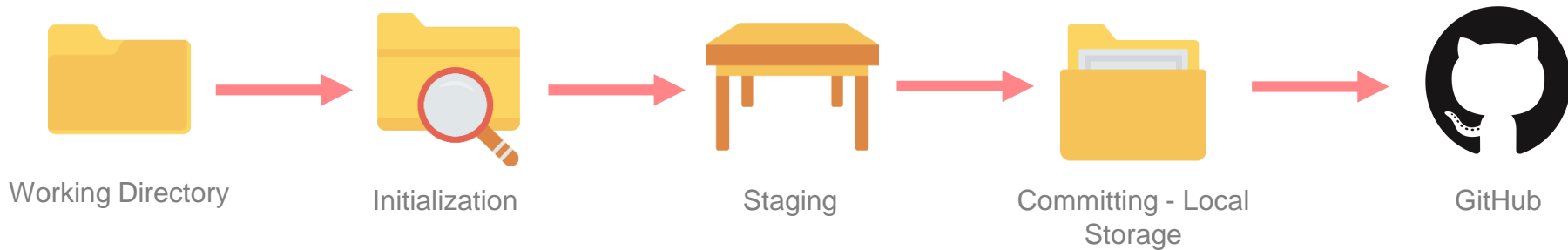
**Distributed System &
Reliability**



Security

What is Git?

The lifecycle of the code within Git.





Getting started with GitHub



Installing & Configuring Git

Git Installation & Setup

Linux



Windows



MAC





Git Basic Commands

Thank You