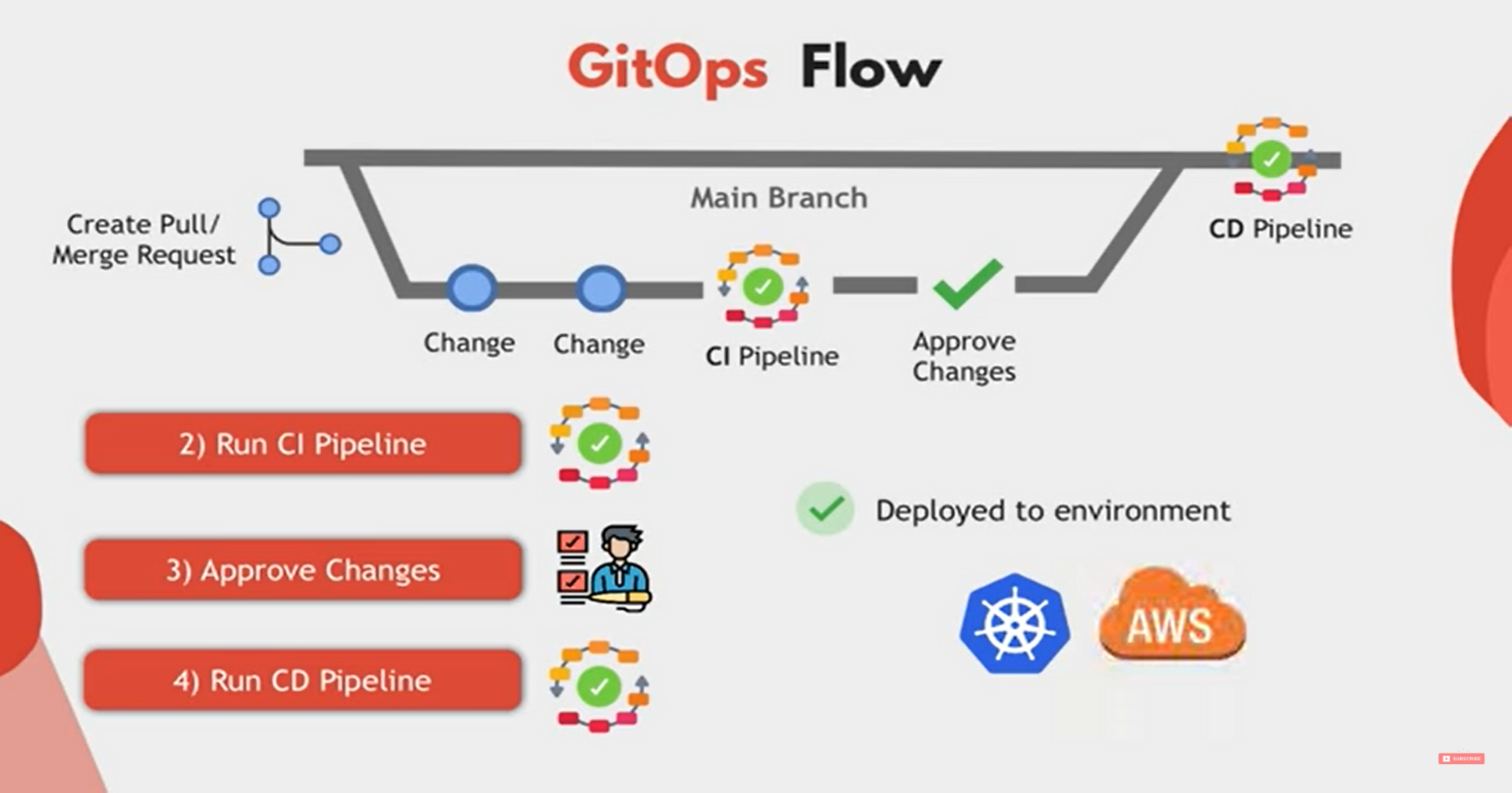
In today’s world configuration is not limited to IAC but it has become more complex

* Infrastructure as code
* Configuration as code
* Network as code
* Policy as code
* Security as Code

Or we can call it as **X as code**

The concept behind GitOps is, to use the infrastructure as code in the same way as the application code.

In this we will have a separate repository (git repository) for IAC or XAC project and a full DevOps pipeline for it.



Deployed to the env

collaborate

Tested and well-reviewed changes

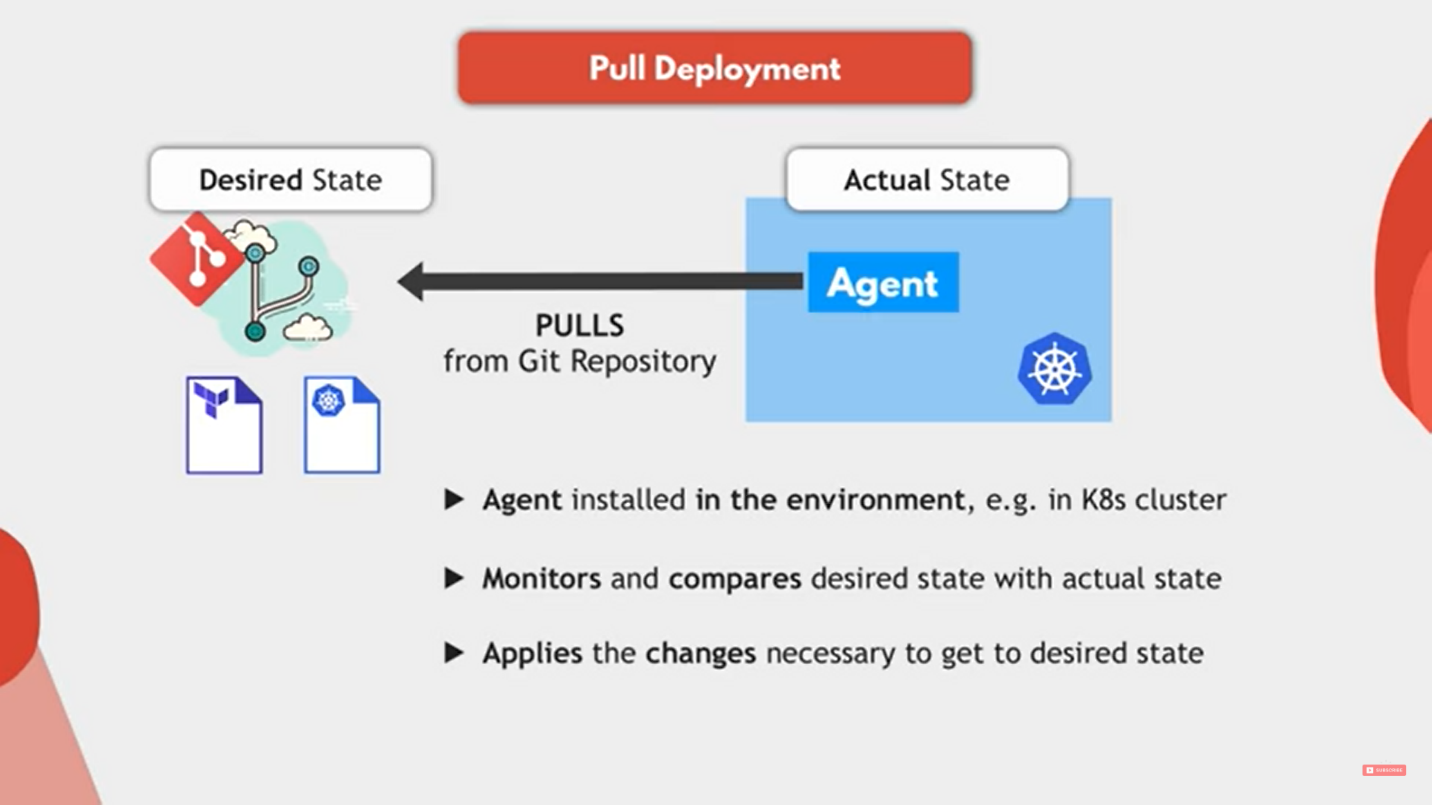
Validate the config files and run automated tests

1)

Features

* More collaborative process
* Automated process
* More transparent
* Quality IAC

Deployment models



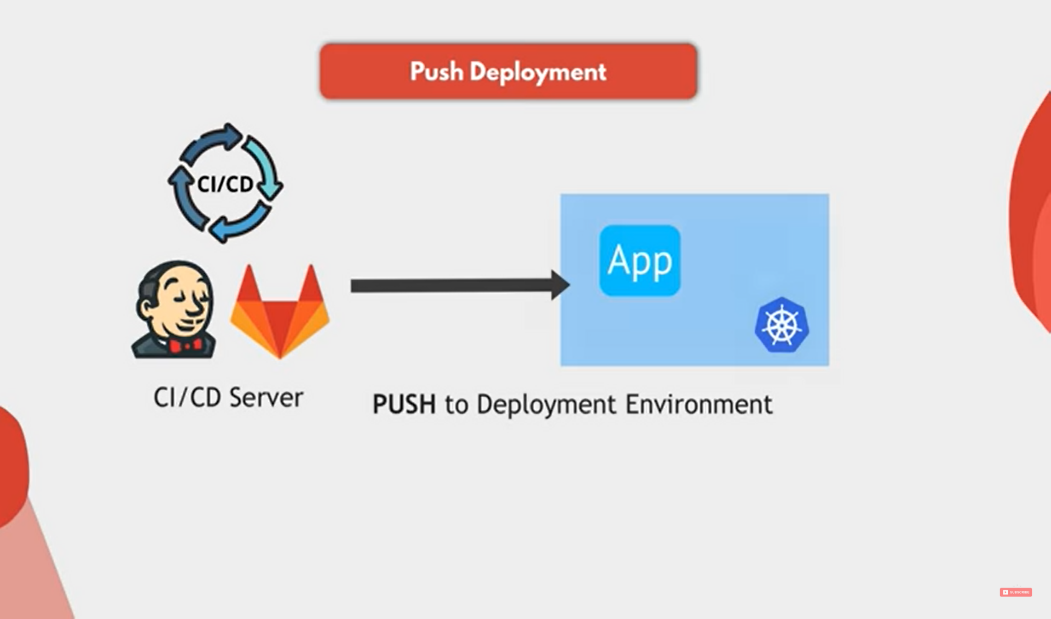
If there is any variation in desired state and actual state (actual state!= desired state). The agent will pull the changes and get it deployed.

E.g.-

Argo CD and flux CD

Advantage

* Less permissions to manage
* More secure environment
* Is anything going wrong we can instantly revert the changes



Reference URL https://www.youtube.com/watch?v=f5EpcWp0THw