

Collaborative Work with GitHub

SUBJECT : ARTIFICIAL INTELLIGENCE

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Overview:

1. What is Git & GitHub.
2. GitHub Structure.
3. Keywords of GitHub.
4. GitHub Workflow.

Git & GitHub

Git is an example of version control

What is version control?

- A system that keeps records of your changes
- Allows for collaborative development
- Allows you to know who made what changes and when
- Allows you to revert any changes and go back to a previous state



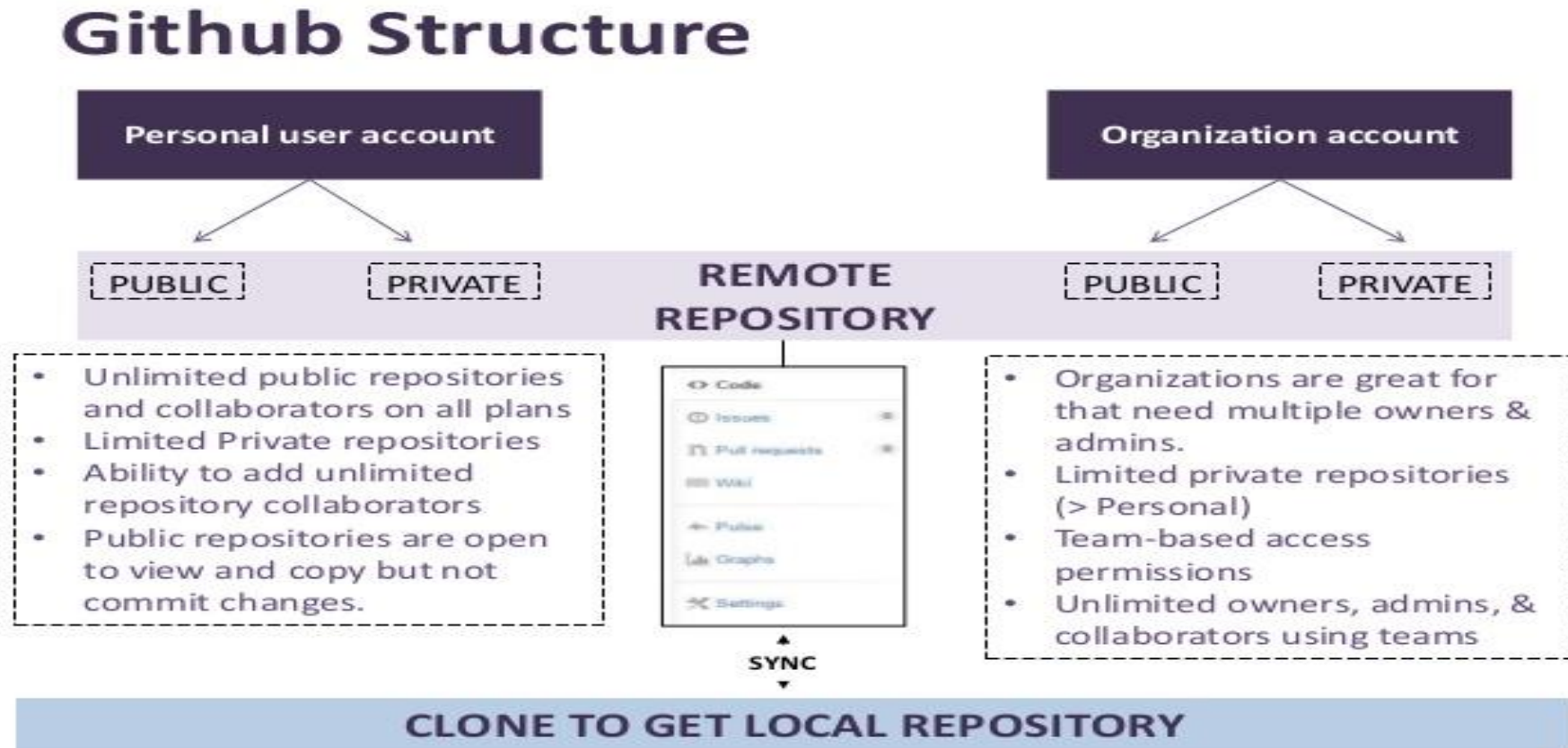
Git & GitHub

GitHub is web-based git repository hosting service

- Largest web-based hosting service.
- Allows for code collaboration with anyone online.
- Adds extra functionality on top of git.



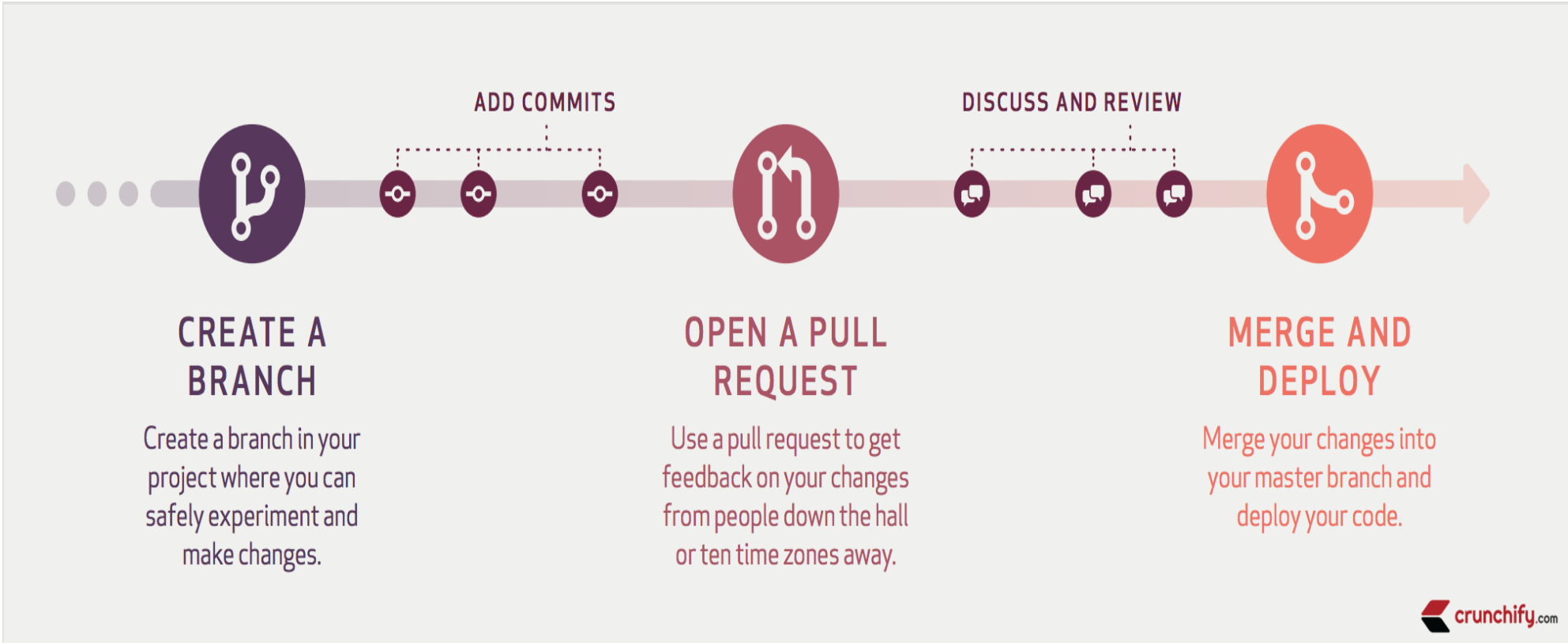
GitHub Structure.



Keywords:

- Repositories/Repo – It's like virtual folder
- Branch – Sub folders for repositories you created
- Commits – Keywords to apply changes you made
- Pull requests – Uploads changes of local version of repository from a remote.
- Push – Uploads local branch commits to remote branch.
- Forking a repository - It creates a copy for you to work on independently without any changes to others folders
- Fetch Origin – Downloads new data from a remote repository

GitHub Workflow:



Thank You!

Reference Links: <https://github.com/git-guides/>
<https://guides.github.com/introduction/flow/>