VERSION CONTROL

Definition

- It is a software tool that helps a development team manage changes to the source code of a project over time.

- It keeps track of every modification to the code, allowing rollbacks in case of a mistake done to the code.

- Allows for easy synchronization in between different developers.

DevOps Toolchain

Plan

Develop

Test

Release

Operate

Planning
Requirement Gathering
Project Management

Monitoring
Issue Discovery

Issue Tracking
Source Control
Dev Env
CD

GitHub

Git

Bitbucket

Continuous
Testing

Deployment
Config Management
Containers
Scripting

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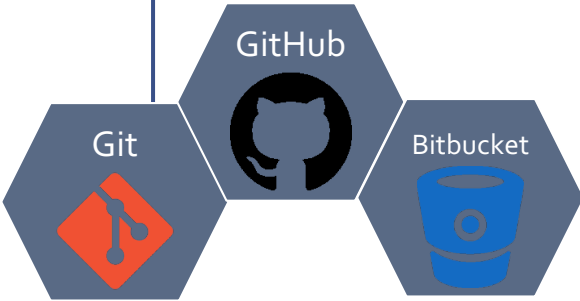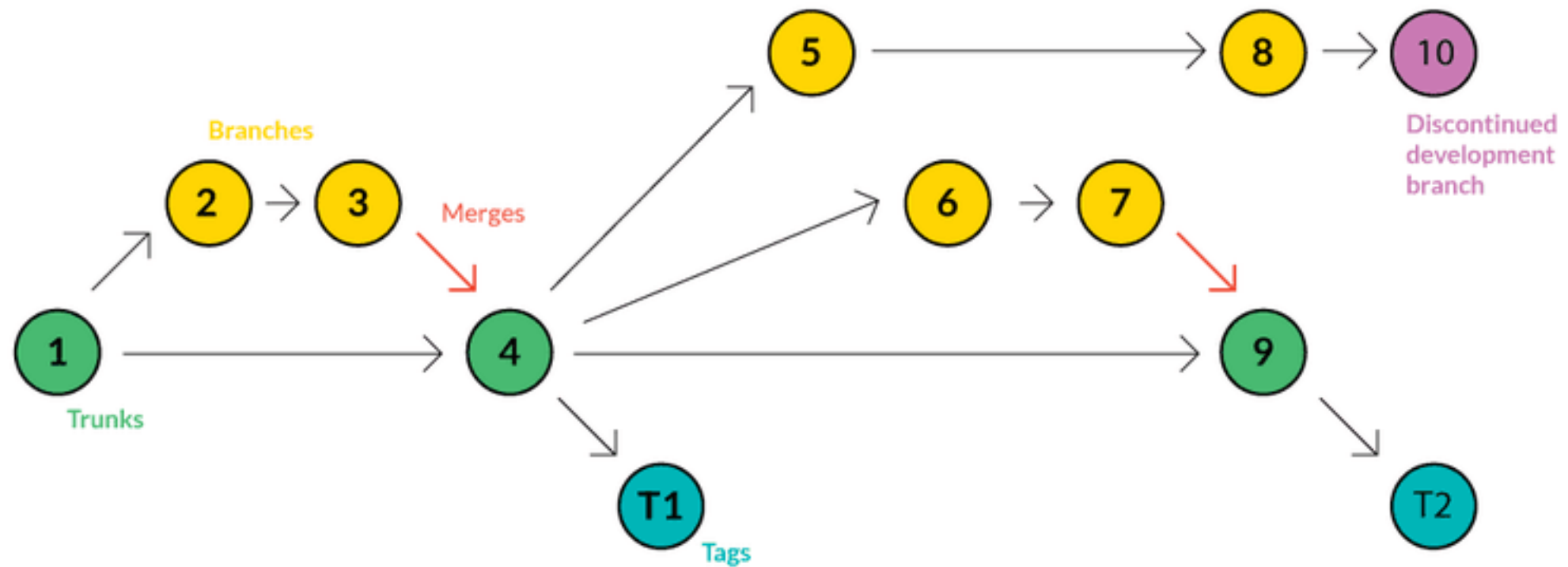
Overview

Some Available Version Control Systems

- git: https://git-scm.com/

- subversion: https://subversion.apache.org/

- mercurial: https://www.mercurial-scm.org/

Note

- **Version Control =/= Online repository**

Some Available Online Repositories

- GitHub: https://github.com

- GitLab: https://about.gitlab.com

- BitBucket: https://bitbucket.org

Overview
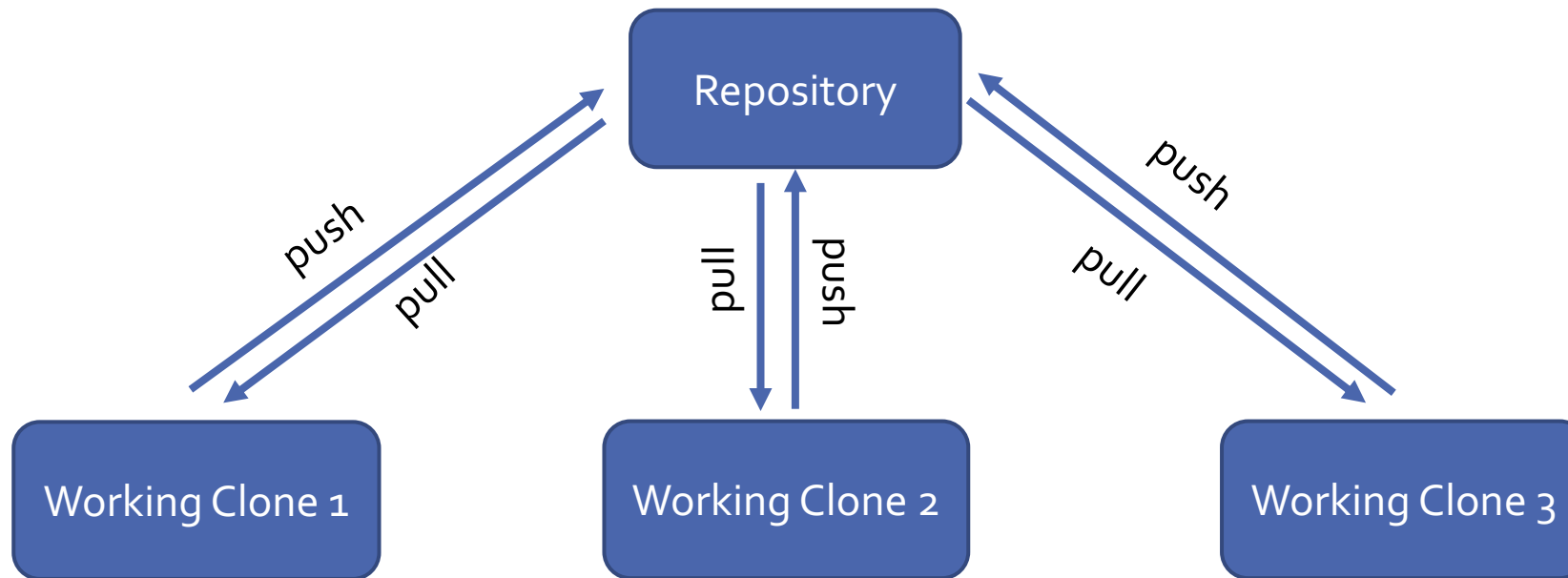
References

- Git Handbook: https://guides.github.com/introduction/git-handbook/

- Git Cheat Sheet: https://training.github.com/downloads/github-git-cheat-sheet/

- Learn Git Branching: https://learngitbranching.js.org/