

Gitflow is the selected Git Workflow architecture

Gitflow is really just an abstract idea of a Git workflow. This means it dictates what kind of branches to set up and how to merge them together. The git-flow toolset is an actual command line tool that has an installation process.

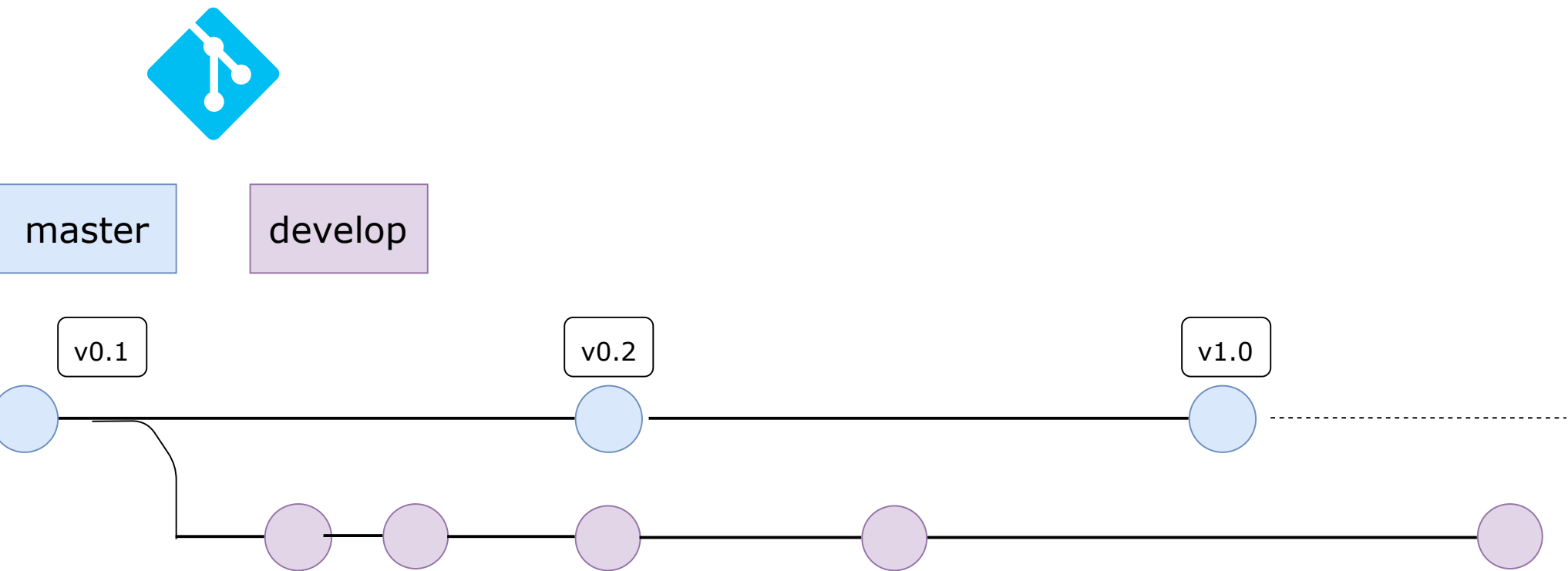
Strategy : Using two branches 'Develop' and 'Master'

Instead of a single master branch, this workflow uses two branches to record the history of the project. The master branch stores the official history, and the develop branch serves as an integration branch for features

Step 1: Create a develop branch to complement the master branch.

```
git branch develop
git push -u origin develop
```

This branch will contain the complete history of the project, whereas master will contain an abridged version. Other developers should now clone the central repository and create a tracking branch for develop.

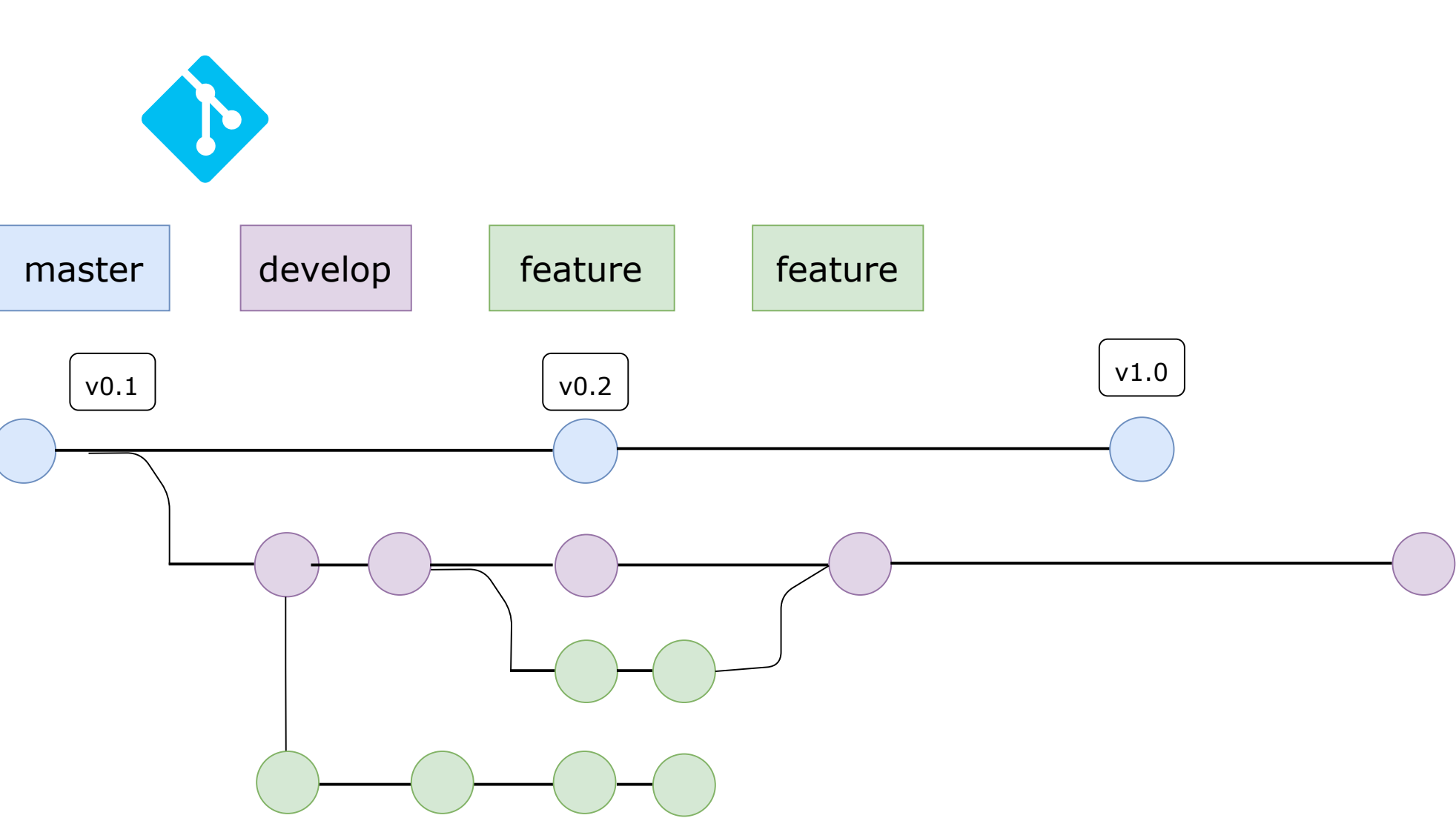


Step 2: Using Feature branches

Each new feature should reside in it's own branch but instead of branching off master, feature branch should use develop as their parent branch.

When a feature is complete it should merge back to develop. Features should never interact directly with master.

```
git checkout develop
git checkout -b feature_branch
```



Feature branches are generally created off to the latest develop branches.

Step 3: Release branches

Once develop has acquired enough features for a release (or a predetermined release date is approaching), we fork a release branch off of develop.

Creating this branch starts the next release cycle, so no new features can be added after this point—only bug fixes, documentation generation, and other release-oriented tasks should go in this branch.

Once it's ready to ship, the release branch gets merged into master and tagged with a version number.

In addition, it should be merged back into develop, which may have progressed since the release was initiated.

Making release branches is another straightforward branching operation.

Like feature branches, release branches are based on the develop branch.

A new release branch can be created using the following methods.

```
git checkout develop
git checkout -b release/0.1.0
```

