

GIT



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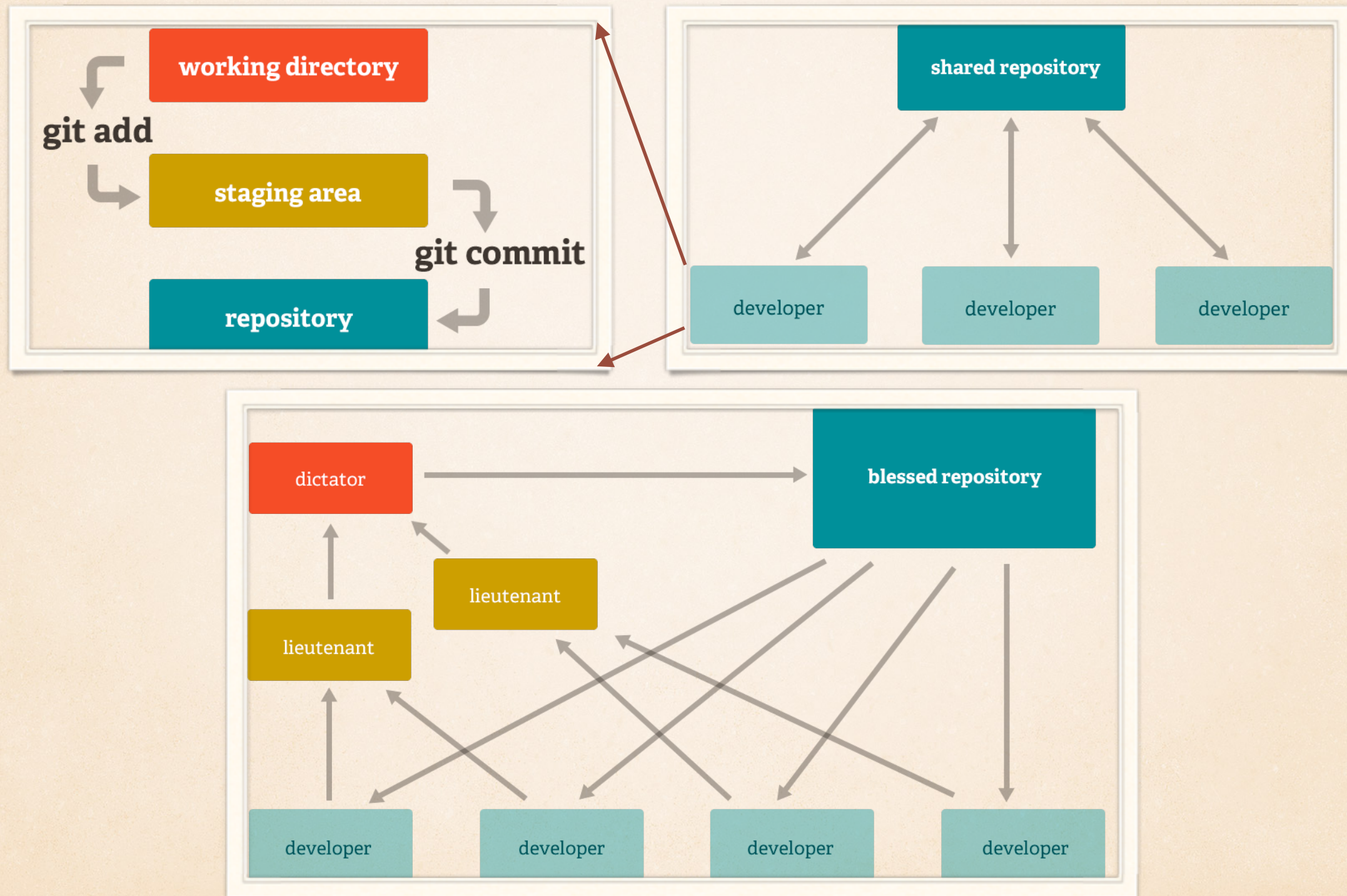
WHAT'S GIT

- ❖ Git is a free and open source **distributed** version control system designed to handle everything from small to very large projects with **speed and efficiency**.
- ❖ Git is **easy to learn** and has a tiny footprint with **lightning fast performance**. It outclasses SCM tools like Subversion, CVS, Perforce, and ClearCase with features like **cheap local branching, convenient staging areas, and multiple workflows**.

BASIC CONCEPT

- ❖ **Difference**
- ❖ Commit
- ❖ Working directory
- ❖ Staging area
- ❖ Repository
- ❖ Branch
- ❖ HEAD

WORK FLOW



JUST DO IT

- ❖ `git help`、`git config`
- ❖ `git init`、`git clone`、`git remote`
- ❖ `git add`、`git add -u`、`git add -- <file_path>`、`git add -i`
- ❖ `git diff`、`git status`
- ❖ `git commit [-s] [-m]`
- ❖ `git fetch`、`git pull`、`git push`
- ❖ `git checkout`、`git branch`
- ❖ `git merge`、`git cherry-pick`、`git commit -- amend`
- ❖ `git format-patch`、`git am`、`git apply`

INSTALL

- ❖ <http://git-scm.com/downloads>
- ❖ Windows
- ❖ `ftp://shinemo@ftp.shinemo.com/1.常用软件/2.开发工具/Windows`
- ❖ Cygwin
- ❖ <https://gist.github.com/simbapeer/c52145f62f89c02fa76a>

GUI

- ❖ Windows

- ❖ SourceTree、kdiff3

- ❖ Linux

- ❖ gitg、kdiff3

- ❖ OS X

- ❖ Gitx、kdiff3

- ❖ Eclipse

- ❖ <http://www.eclipse.org/egit/>

LEARNING MORE

- ❖ `git --help`
- ❖ `git <command> --help`
- ❖ Google
- ❖ <http://git-scm.com/>
- ❖ Books
 - ❖ Git 权威指南
 - ❖ <http://git-scm.com/book>