




Git (1)

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To summarise some simple commands:

- use git remote and git clone to work with other people
- git fetch or git pull OR patch files to get other peoples work
 - Use `git fetch` when you want to see what others have committed but keep your own local branch unchanged (you can manually merge the changes afterward if you want).
 - Use `git pull` when you want to update your local branch with the latest changes from the remote repository automatically.

- use git merge or git rebase to integrate changes
- git push to send work back to a forge
- Merge conflicts are a pain but you MUST resolve them
- `git-revert (1)` is about making a new commit that reverts the changes made by other commits.
- `git-restore (1)` is about restoring files in the working tree from either the index or another commit. This command does not update your branch. The command can also be used to restore files in the index from another commit.
- `git-reset (1)` is about updating your branch, moving the tip in order to add or remove commits from the branch. This operation changes the commit history.

Golden Rules of Git:

1. **Do not break the build** - main branch should always work
2. **Rebase with fear and caution** - rebasing can break stuff badly, always back up
3. **Write helpful log messages**