

PythonAnywhere Git Reference Guide

This guide covers the essential Git commands for managing your project lifecycle on PythonAnywhere.

1. Initial Setup (One-time only)

If you haven't connected your project yet, use these to bring your code over for the first time.

- **Clone the repository:**
`git clone https://github.com/your-username/your-repo-name.git`
- **Set up your identity:**
`git config --global user.email "you@example.com"`
`git config --global user.name "Your Name"`

2. Standard Update Workflow

Use these commands when you have made changes in VS Code and want to update the live site.

Action	Command
Download latest changes	<code>git pull origin main</code>
Fetch new tags/releases	<code>git fetch --tags</code>
Switch to a specific version	<code>git checkout v6.0</code>
Switch back to the main line	<code>git checkout main</code>

3. Version Tracking & Inspection

Use these to verify which version of the code is currently "live."

- **Check current status:** (Tells you if you are in a "detached HEAD" state or on a branch).`git status`

- **List all available tags:**
`git tag`
 - **Verify current tag version:**
`git describe --tags`
 - **View recent history:** (Shows the last 5 commits for a quick check).`git log --oneline -n 5`
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4. Troubleshooting Commands

If things get messy on the server, these help reset the environment.

- **Discard local changes:** (Useful if you accidentally edited a file on the server and is failing).`git reset --hard HEADgit pull`
 - **Force pull from GitHub:**
`git fetch --all`
`git reset --hard origin/main`
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5. The "PythonAnywhere Final Step"

Remember: Git only updates the files on the disk. To update the actual website, you must:

1. Log into the **PythonAnywhere Dashboard**.
 2. Go to the **Web Tab**.
 3. Click the **Reload** button.
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Pro-Tip for your Workflow:

Since you are using **Tags (v6.0)**, your standard update command should always be:

1. `git fetch --tags`
2. `git checkout v[NewVersionNumber]`
3. **Reload Web App.**