

Using GitHub with CLion

1. Set Up GitHub Integration in CLion

1. Open CLion.
2. Go to File -> Settings -> Version Control -> Git.
 - Ensure Git path is correct (e.g., C:\Program Files\Git\bin\git.exe).
3. Go to Settings -> Version Control -> GitHub.
 - Add your GitHub account using Token or Log In.

2. Create a New GitHub Repository

1. Go to <https://github.com> and log in.
2. Click New Repository.
3. Name your repo (e.g., my-clion-project).
4. Do NOT initialize with a README.
5. Click Create Repository.

3. Initialize Git & Push Project from CLion

1. Open your project in CLion.
2. Go to VCS -> Enable Version Control Integration -> Git.
3. Right-click project root -> Git -> Add (or use Ctrl+Alt+A).
4. Commit files: VCS -> Commit (add message, commit).
5. Add remote and push:

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- VCS -> Git -> Remotes -> Add (+) -> Paste GitHub repo URL.
- VCS -> Git -> Push.

4. Push Regular Updates (Track Contributions)

1. Make changes.
 2. VCS -> Commit.
 3. VCS -> Git -> Push.
- These actions update your GitHub contribution graph.

5. Roll Back to Previous Versions

Method A: For a specific file

- Right-click file -> Git -> Show History.
- Right-click commit -> Revert or Compare.

Method B: For full project reset

- VCS -> Git -> Log.
- Right-click commit -> Reset Current Branch to Here.
- Choose Soft, Mixed, or Hard.

6. Pull Requests and When to Use Pull

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- A pull gets the latest changes from GitHub.
- If you're the only one pushing and haven't edited GitHub directly, skip it.
- If others edit the repo or you make changes on GitHub, do VCS -> Git -> Pull.