

# ULTIMATE GITLAB COMMANDS CHEAT SHEET



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## Repository Operations

| Command                                | Description                                           |
|----------------------------------------|-------------------------------------------------------|
| git clone <repository_url>             | Clone a repository to your local machine              |
| git init                               | Initialize a new Git repository locally               |
| git remote add origin <url>            | Add a remote repository as the 'origin'               |
| git remote -v                          | View configured remote repositories                   |
| git pull origin <branch>               | Pull changes from a remote repository                 |
| git push origin <branch>               | Push local changes to a remote repository             |
| git branch                             | List all branches in the repository                   |
| git checkout -b <branch_name>          | Create and switch to a new branch                     |
| git checkout <branch>                  | Switch to an existing branch                          |
| git merge <branch>                     | Merge changes from one branch into the current branch |
| git branch -d <branch_name>            | Delete a branch                                       |
| git push origin --delete <branch_name> | Delete a remote branch                                |

## Branch Management

| Command                             | Description                                          |
|-------------------------------------|------------------------------------------------------|
| git checkout -b <branch_name>       | Create a new branch and switch to it                 |
| git branch -m <new_name>            | Rename the current branch                            |
| git branch -m <old_name> <new_name> | Rename a specific branch                             |
| git push origin <new_branch>        | Push a newly created branch to the remote repository |

## Merging and Pull Requests

| Command                                             | Description                                           |
|-----------------------------------------------------|-------------------------------------------------------|
| git merge <branch>                                  | Merge changes from one branch into the current branch |
| git push origin <branch>                            | Push local changes to a remote repository             |
| git fetch origin                                    | Fetch changes from the remote repository              |
| git checkout -b <new_branch> origin/<remote_branch> | Create a new branch based on a remote branch          |
| git request-pull <start> <url> <end>                | Generate a pull request to send to another repository |

## Committing Changes

| Command                    | Description                                             |
|----------------------------|---------------------------------------------------------|
| git add <file>             | Stage a file for the next commit                        |
| git add .                  | Stage all modified files for the next commit            |
| git commit -m "message"    | Commit staged changes with a message                    |
| git commit -a -m "message" | Commit all changes (including untracked) with a message |
| git reset HEAD <file>      | Unstage a file                                          |
| git checkout -- <file>     | Discard changes in a file (before staging)              |
| git diff                   | Show changes between commits                            |
| git log                    | Show commit history                                     |

**Remember to replace <branch>, <file>, <branch\_name>, <tag\_name>, <url>, <start>, and <end> with appropriate values. Always exercise caution, especially when using commands that make permanent changes.**

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## Tagging and Releases

| Command                             | Description                                  |
|-------------------------------------|----------------------------------------------|
| git tag -a <tag_name> -m "message"  | Create an annotated tag with a message       |
| git tag <tag_name>                  | Create a lightweight tag                     |
| git push origin <tag_name>          | Push a specific tag to the remote repository |
| git push origin --tags              | Push all tags to the remote repository       |
| git tag -d <tag_name>               | Delete a local tag                           |
| git push origin --delete <tag_name> | Delete a remote tag                          |

## Miscellaneous

| Command                                  | Description                                     |
|------------------------------------------|-------------------------------------------------|
| git status                               | Show the current status of the repository       |
| git remote show origin                   | Display information about the remote repository |
| git blame <file>                         | Show who last modified each line of a file      |
| git config --global user.name "<name>"   | Set the global username                         |
| git config --global user.email "<email>" | Set the global email address                    |
| git clean -n                             | List untracked files                            |
| git clean -f                             | Remove untracked files (use with caution)       |
| git stash                                | Stash changes for later retrieval               |
| git stash apply                          | Apply stashed changes                           |
| git stash pop                            | Apply and remove stashed changes                |
| git reflog                               | Show a log of all changes to HEAD               |

## GitLab Keyboard Shortcuts

| Shortcut  | Description                          |
|-----------|--------------------------------------|
| g + p     | Go to Projects                       |
| g + n     | Go to New Project                    |
| g + i     | Go to Issues                         |
| g + m     | Go to Merge Requests                 |
| g + c     | Go to Commits                        |
| g + s     | Go to Snippets                       |
| g + t     | Go to Tags                           |
| g + b     | Go to Branches                       |
| g + w     | Go to Wikis                          |
| g + p + i | Go to Pipelines                      |
| g + p + r | Go to Registries                     |
| g + g     | Go to Groups                         |
| g + h     | Go to Admin                          |
| t + r     | Go to Repository                     |
| t + e     | Go to Graphs                         |
| t + s     | Go to Settings                       |
| i + i     | Go to Issue List                     |
| i + n     | Go to New Issue                      |
| i + l     | Go to Issues List                    |
| m + m     | Go to Merge Requests                 |
| m + n     | Go to New Merge Request              |
| m + a     | Go to All Merge Requests             |
| m + m     | Go to My Merge Requests              |
| s + n     | Go to New Snippet                    |
| n         | Next item (e.g., Next Issue)         |
| p         | Previous item (e.g., Previous Issue) |
| o         | Open item (e.g., Open Issue)         |
| ?         | Show all available shortcuts         |

To use these shortcuts, simply press the corresponding keys in sequence. For example, to go to the Dashboard, press g, release, then press d.

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