

Rollback Research

Updated Documentation Fall 2024

Ways to Rollback to a Previous Deployment

- Vercel
- Git commands

Vercel Pricing & Features

- Hobby: Free
- Pro: \$20 / month
- Enterprise: You must contact their sales department

Vercel Features

- “Vercel is used to simplify the deployment process for web applications.”
[DemystifyingVercel.](#)
 - Vercel offers many great features, but we are interested in the ability to roll back to a previous deployment.
 - Vercel provides an easy-to-use GUI that allows developers to roll back to any previous deployment (depending on your service plan).
- You can use the Hobby plan to roll back to a previous deployment, but it can only roll back to the previous production deployment.
- The Pro and Enterprise plans alias all previous deployments so you can roll back to any previous deployment you choose.
- Here are step by step instructions on how to achieve the rollback.
 - <https://vercel.com/docs/deployments/instant-rollback>

Git Commands

- If we want to roll back to a previous commit using Git, we can simply move the branch pointer.
- One way to achieve this is by using the ‘git reset’ command.
 - The reset command moves the branch pointer back in the chain to “undo” changes.
- Another way would be to use the ‘git revert’ command
 - The revert command adds a new commit at the end of the chain to “cancel” changes.
- Apparently, you should try the revert command first. If you can’t utilize the revert command to accomplish your goal, then you would try the reset command.
- <https://opensource.com/article/18/6/git-reset-revert-rebase-commands>
- <https://stackoverflow.com/questions/13154979/git-deployment-how-to-rollback-to-previous-stable-version-of-my-app>

Other Way

- Deployment rollback in pipelines (using git commands and the Source Control UI)
 - <https://docs.gearset.com/en/articles/6752100-deployment-rollback-in-pipelines-using-the-command-line>

Other Links I Found When Researching

- <https://nvie.com/posts/a-successful-git-branching-model/>
- Vercel
 - <https://github.com/vercel/vercel/discussions/5209>
 - <https://vercel.com/docs/cli/rollback>
 - <https://vercel.com/docs/deployments/instant-rollback>
 - https://www.reddit.com/r/nextjs/comments/1e8wwx6/catch_vercel_deployment_errors_before_committing/
- Manual Suggestions
 - <https://github.com/Azure/static-web-apps/issues/813>
 - <https://stackoverflow.com/questions/62722819/how-can-i-rollback-on-github-even-just-locally>
 - <https://stackoverflow.com/questions/4372435/how-can-i-rollback-a-git-repository-to-a-specific-commit>
 - https://www.reddit.com/r/git/comments/ypnys6/i_want_to_revert_the_code_to_a_previous_commit/
 - <https://github.com/orgs/community/discussions/60023>