

How to Use GIT in cPanel

Introduction

GIT is one of the most powerful version control tools widely used by developers and software teams. It enables you to track code changes, collaborate efficiently, and manage multiple versions of your project. If your hosting provider uses cPanel, you can manage GIT repositories directly within your control panel. This guide shows you how to use GIT in cPanel step-by-step.

Why Use GIT in cPanel?

cPanel makes GIT management easy with its built-in graphical interface. Benefits include:

- Create public or private repositories
- Direct deployment of code to your server
- Simple repository management without command line
- Support for clone, push, and pull operations

How to Create a GIT Repository in cPanel

To get started:

1. Log in to your cPanel account
2. Go to **Files > Git Version Control**
3. Click **Create**
4. Fill in the details:
 - **Repository Name**
 - **Repository Path**
 - **Repository Type** (public or private)

5. Click **Create** to set up your new repository

Cloning a GIT Repository in cPanel

If you want to clone an external repository:

1. Go to **Git Version Control**
2. Click **Create**
3. In the **Clone URL** field, enter the repository URL
4. Set the desired **repository path**
5. Click **Create** to start cloning the repository

How to Push and Pull Changes

Push Changes

To push your local changes to the repository:

1. Navigate to **Git Version Control**
2. Select the desired repository
3. Click **Push Changes**

Pull Changes

To update your repository with changes from the remote:

1. Go to **Git Version Control**
2. Select the repository
3. Click **Pull Changes**

Deploying Code from GIT in cPanel

You can deploy your project files automatically from a GIT repository:

1. Open **Git Version Control**
2. Select the desired repository
3. Click **Manage**

4. In the **Deployment** section, add your custom deployment commands (e.g., build steps, script execution)
5. Click **Save**

Managing GIT Repositories in cPanel

From the GIT management section, you can:

- View repository status
- Manage branches
- Delete repositories
- Modify repository settings

Best Practices for Using GIT in cPanel

Keep the following tips in mind:

- Regularly back up your repositories
- Set appropriate access levels for private repositories
- Use SSH keys for enhanced security
- Always review changes before pushing

Conclusion

GIT is a powerful tool for managing code and collaboration. With cPanel's built-in GIT interface, it's easier than ever to manage your repositories, push updates, and deploy code. Use this guide to streamline your development workflow and keep your projects organized and secure.