Gitpod

How to use Gitpod for Tiki development

gitpod.yml support was added to Tiki!

So, What is Gitpod...?

Well, Gitpod is a cloud-based integrated development environment (IDE) that runs on top of GitLab, GitHub, and Bitbucket. It enables developers to start coding immediately by providing pre-configured development environments for projects stored in Git repositories. This means that developers can launch a fully-functional development environment in their web browser without having to install or configure any software. Gitpod offers a range of features such as live collaboration, task management, and integration with popular tools and services like Docker and Kubernetes.

So, It's an online IDE that runs in your browser and can be used to develop and manage software projects. It can be used with TikiWiki to streamline the development process and provide a more convenient and efficient way of working with the Tiki codebase, and all that, in your browser!

Okay, How can you actually use it for Tiki development...?

That's actually super simple! All you need is to navigate to the Tiki repository on GitLab, https://gitlab.com/tikiwiki/tiki, start a Gitpod "workspace", and you'll be ready to go.

Here's how to do it in a few steps:

- **First, you need to enable Gitpod integration:**
  Under your profile, go to "Preferences" -> scroll down to "Integrations" -> and check the "Enable Gitpod integration" checkbox

- **Then, click on the dropdown arrow next to the Web IDE split button on the project, and choose Gitpod.**

- **Click on the "Gitpod" button now as it is the one selected, to launch the workspace.**

  This will launch a new workspace in the Gitpod cloud and configure it to use the Tiki repository as the code base.

  Wait for the workspace to start and the environment to be set up. This process may take several minutes, as Gitpod will download and install all the necessary dependencies, such as the PHP interpreter and the web server. So, don't worry if it seems to take forever... ?

  Once the environment is ready, Gitpod will provide you with an integrated VS Code editor so you can make changes to the Tiki code, a CLI to run commands, a built-in web server, and even a integrated web browser to preview your changes live. That's great, isn't it! ?

  Take a look...

  When you are ready to push your changes back to the Tiki repository, you can use the Git version control system to manage the changes and collaborate with other contributors.
Let's have an example (a quick demo)

So, in this example we are going to make a small modification in the README file: adding a link to this Tiki+Gitpod documentation.

At this stage, if you go back to the repo you can see that the changes have been pushed (as seen in the next image), and you are able to create a Merge Request.

That's it! You are now ready to use Gitpod for Tiki development. With Gitpod, you can easily set up a development environment and start coding, without having to worry about installing software or configuring your local machine.

Overall, using Gitpod with Tiki can simplify and speed up the development process by providing a unified environment for coding, testing, and collaboration.

And because Gitpod is cloud-based, you can access your workspace and your code from any device with an internet connection, which provides a great deal of flexibility and mobility for your development work. You don't have to worry about the limitations of your local machine or worry about the setup and configuration of a development environment, as Gitpod takes care of all that for you. This also makes it easier for you to collaborate with other developers, as you can share workspaces and work on code together in real-time.

See also: GitLab Web IDE and Vagrant

Use cases

- New developers (Xdebug is enabled, code indentation, etc.)
- Translators (change English strings)
- Compile themes
- Produce release (with the right credentials)
- One day: How to upgrade Cypht within Tiki via Composer (now missing composer.phar)