## **GitHub Integration**

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**GitHub** is the largest code host on the planet with over 17.5 million repositories. These repositories are open to the community for public projects and secure for private ones.

## 1. What can we do currently?

Right now you can connect to a GitHub repository with a Taiga project and generate a one-way communication (from GitHub to Taiga) to:

- Change the status of an epic, user story, issue, or task in Taiga with the commit message: you may want to read more about this feature in the article "Changing elements status via commit message".
- Attach commits in an epic, user story, issue, or task of Taiga with the commit message: you may want to read more about this feature in the article "Attach commits to elements via commit message".
- · Create issues on Taiga when they are created on GitHub.
- Add comments to the connected issues on Taiga when they are created on GitHub.

In Taiga an issue is connected with a GitHub issue if it was created by the GitHub integration. In the detail page of an issue on Taiga you can see a link under the subject to the original issue in GitHub.

#### 2. And what can't we do?

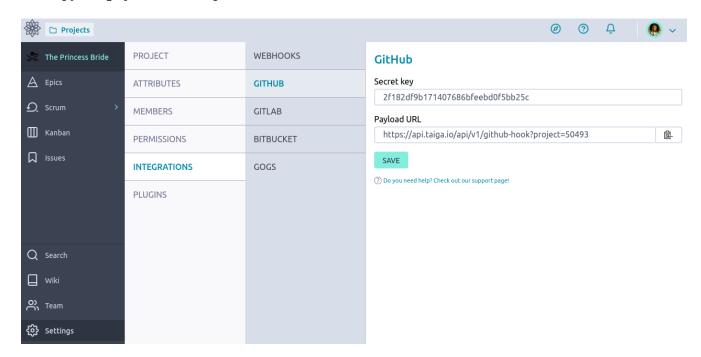
- **Dual synchronization**: currently the integration functionality only allows receiving messages from GitHub. Taiga can't communicate with GitHub (the one-way communication is from Github to Taiga), so changes made in Taiga won't be reflected in GitHub.
- **Show commit links in Taiga issues**: If you name a story, task or issue in a commit message (by its reference number) a link to commit won't appear in Taiga.
- Sync current GitHub issues and comment when the integration module in Taiga is enabled: the integration only works with the future issues and comments added in GitHub.

**WARNING** 

Integration will always take time so please be patient. If you need a specific integration and you feel ready to get a machete and get into the Taiga, please review our API Docs and our section in Taiga resources about "How you can contribute?". If you need help with a specific feature, you can always get in touch with our community through our mailing list.

### 3. Configure the integration module in Taiga

- 1. Go to Admin > Integrations > GitHub
- 2. Fill secret key or use the auto generated one
- 3. Copy the payload URL input



# 4. Configure Webhooks in your GitHub repository

**WARNING** 

Be careful if you use **organization webhooks** instead of **repository webhooks** because the first emit calls for events in all of the repositories and the second only in one of them.

- 1. Click on Settings > Webhooks & Services > Add webhook
- 2. On that screen set the payload url with the payload url from Taiga
- 3. The secret key must be filled with the same content as the secret key from Taiga
- 4. Content type must be **application/json**.
- 5. Taiga currently listens for three different kind of **events**. Just check **"send me everything"** or the events you want Taiga to listen for.
  - a. Push events: changing element status via commit message

- b. Issues: issues created in GitHub appear automatically in Taiga
- c. Issue comment: issue comments created in GitHub appear automatically in Taiga
- 6. Press **Add webhook** button to create the new webhook

