

# Bitbucket Integration

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**Bitbucket** is a web-based hosting service for projects that use Git revision control systems.

## 1. What can we do currently?

Right now you can connect a Bitbucket repository with a Taiga project and generate a one-way communication (from Bitbucket 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"](#).

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

- **Create issues on Taiga when they are created on Bitbucket.**
- **Add comments to the connected issues on Taiga when they are created on Bitbucket.**
- **Dual synchronization:** currently the integration functionality only allows receiving messages from Bitbucket. Taiga can't communicate with Bitbucket (the one-way communication is from Bitbucket to Taiga), so changes made in Taiga won't be reflected in Bitbucket.
- **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 not appear in Taiga.
- **Sync current Bitbucket issues and comment when the integration module in Taiga is enabled:** the integration only works with the future issues and comments added in Bitbucket.

Currently Bitbucket offers some limitations on its webhooks system that must be considered. These limitations are not hardcore but it's good to know them to be aware of the limitations that exist.

- Bitbucket doesn't sign the messages so Taiga only can confirm the origin checking the IPs in the request. Bitbucket can change their [IP ranges](#) of their servers when they want so with every change you have to update your configuration in Taiga to prevent errors.

- Webhooks messages can only contains a maximum of 5 commits (up to 5 of the most recent commits pushed) according to the [Bitbucket documentation](#).

#### 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 > Bitbucket**
2. Fill **secret key** or use the auto generated one
3. Copy the Payload URL field.
4. Optionally you can define the valid emitter IPs or IP ranges to validate the origin of the requests. You can find the valid IP ranges for the Bitbucketed Cloud service [here](#).

The screenshot shows the Taiga Admin interface. On the left is a sidebar with navigation links: Projects, The Princess Bride, Epics, Scrum, Kanban, Issues, Search, Wiki, Team, and Settings. The main content area is divided into two columns. The left column has a table with headers 'PROJECT' and 'WEBHOOKS'. The 'PROJECT' column lists 'ATTRIBUTES', 'MEMBERS', 'PERMISSIONS', 'INTEGRATIONS' (highlighted in blue), and 'PLUGINS'. The 'WEBHOOKS' column lists 'GITHUB', 'GITLAB', 'BITBUCKET' (highlighted in blue), and 'GOGS'. The right column shows the 'Bitbucket' configuration form. It includes a 'Secret key' field with a generated key 'd4tghry647eb4513914255a456ee8bbc', a 'Payload URL' field with the URL 'https://api.taiga.io/api/v1/bitbucket-hook?project=50493&key=d4tgh', and a 'Valid source IPs (separated by ,)' field with the IP ranges '131.103.20.165,131.103.20.166,104.192.143.192/28,104.192.143.208/28'. There is a 'SAVE' button and a link to the support page.

## 4. Configure Webhooks in your Bitbucket repository


1. Click on **Settings > Webhooks**
2. Click on **"Add webhook"** button
3. On that form set the url with the **payload url** of this screen and choose some title (ex. "Taiga.io").
4. Taiga listens for three different triggers, you can select all of them or just some:
  - a. **Repository - Push:** Changing element status via commit message


5. Press **Save** button to create the new webhook





the-princess-bride


ACTIONS

 Clone


 Create branch


 Create pull request


 Compare


 Fork


NAVIGATION


 Overview

 Source


 Commits


 Branches


 Pull requests

 Issues 

4

 Wiki

 Downloads

 Settings

Íñigo Montoya / the-princess-bride

Settings

GENERAL

Repository details

Access management

Branch management

Username aliases

Deployment keys

Transfer repository

Delete repository

INTEGRATIONS

Services

**Webhooks**

Links

PULL REQUESTS

Default reviewers

ISSUES

Issue tracker settings

Components

Milestones

Versions

Mailing list

Import & export

WIKI

Wiki settings

Webhooks

Add new webhook

To learn more about how webhooks work, check out the [documentation](#).

Title

URL

Status ☒ Active

Inactive webhooks don't trigger requests.

SSL / TLS ☐ Skip certificate verification

Untrusted or self-signed certificates may not be secure. [Learn more](#)

Triggers 

☐ Repository push

☒ Choose from a full list of triggers

**Repository**

☒ Push

☐ Fork

☐ Updated

☐ Commit comment created

☐ Commit status created

☐ Commit status updated

**Issue**

☒ Created

☒ Updated

☒ Comment created

**Pull Request**

☐ Created

☐ Updated

☐ Approved

☐ Approval removed

☐ Merged

☐ Declined

☐ Comment created

☐ Comment updated

☐ Comment deleted

Save

Cancel