



BitBucket Cloud setup

Tags: [Flow](#)

Below is a step-by-step guide on how to integrate with BitBucket Cloud. You can connect your account via [OAuth](#) or [username and password](#).

Important: Use a service account to create this integration. Learn more about [creating a service account](#).

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Who can use this?

Core



Plus



Git host permission requirements

Flow only requires read access to your repositories. Flow needs this permission process the metadata used to generate our reports.

The account used to connect Flow to BitBucket must have these read scopes:

- Repository
- Issue
- Pull Request
- Account

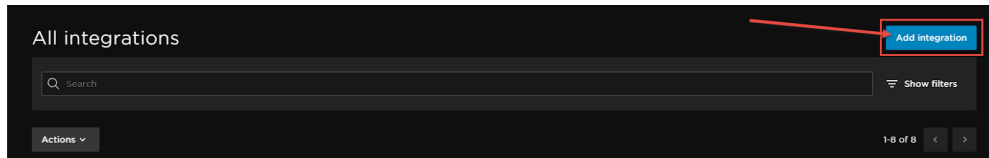
Note: In order to use all services, repos, PRs, tickets, and webhooks when integrating with Flow, the service account needs to be an admin in BitBucket.

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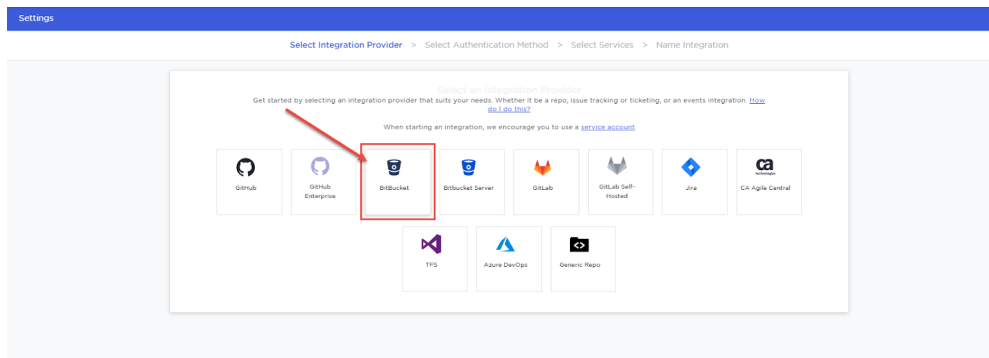
Connect via OAuth

Connecting via OAuth is the fastest and easiest method to connect your repos and import your data, including pull requests and tickets.

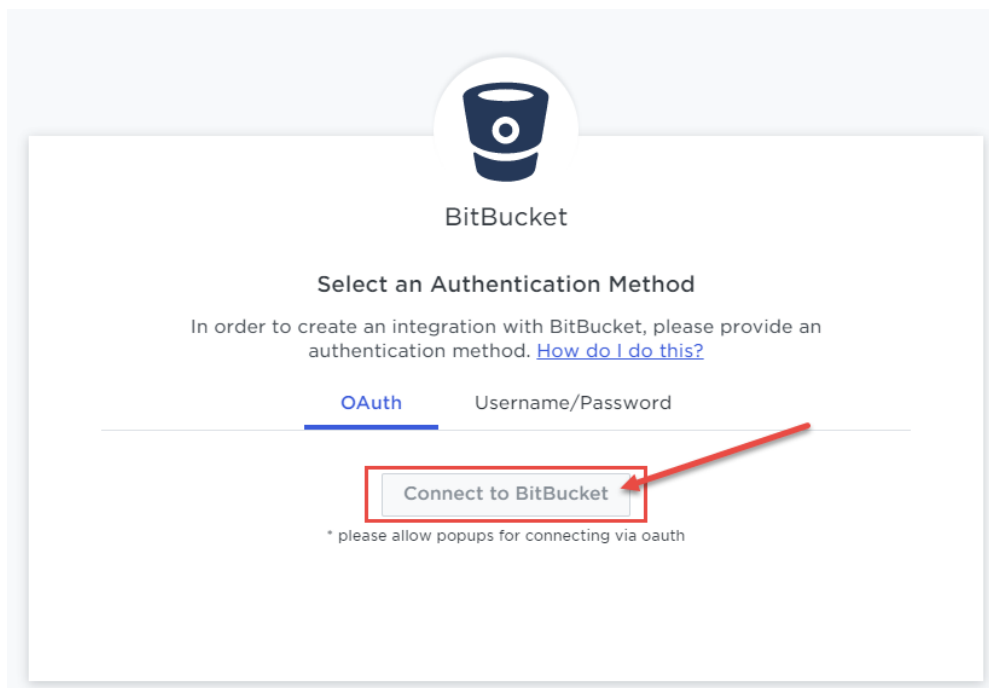
1. From your Flow homepage, go to the top navigation bar and click Settings. Using the left hand navigation under Integrations, click Integrations.
2. Click the Add Integration button in the top right hand corner of the Integrations page.



3. On the following page, select BitBucket from the integration provider list.

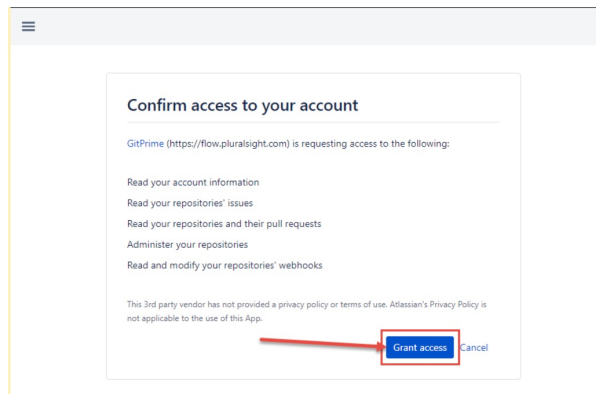


4. Under the OAuth tab, click Connect to BitBucket.

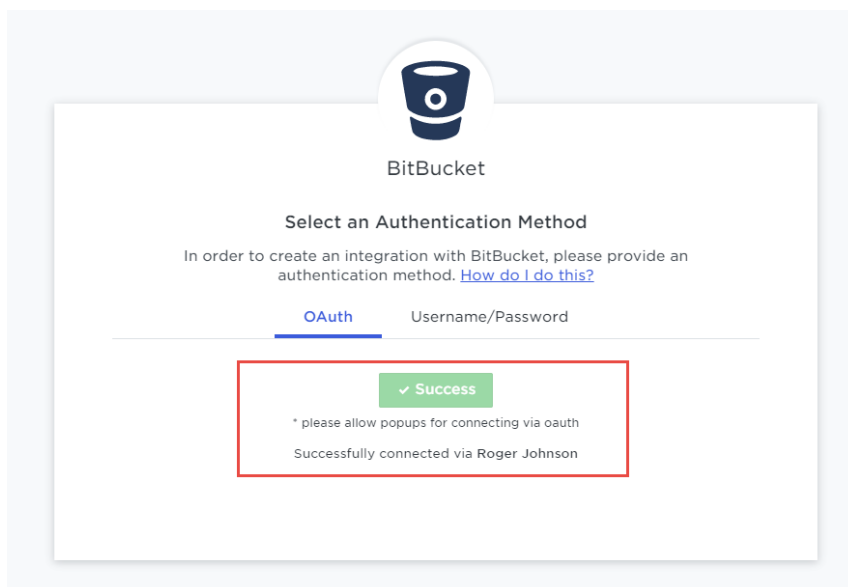


5. If you're already logged into your BitBucket account, a pop-up will appear prompting you to confirm access.

Note: If you're not already logged in, you'll be prompted to log in and authorize the connection.



6. If the connection was successful you'll see the following message:



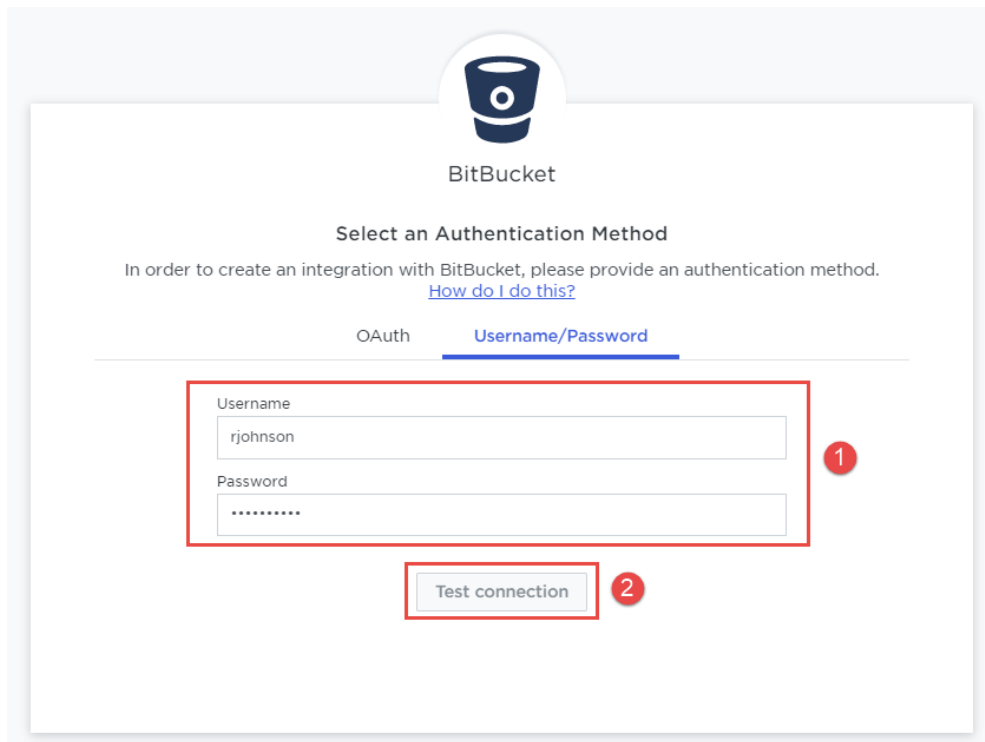
7. Once you have successfully connected, proceed to the [Finishing up](#) section of this article to complete the integration process.

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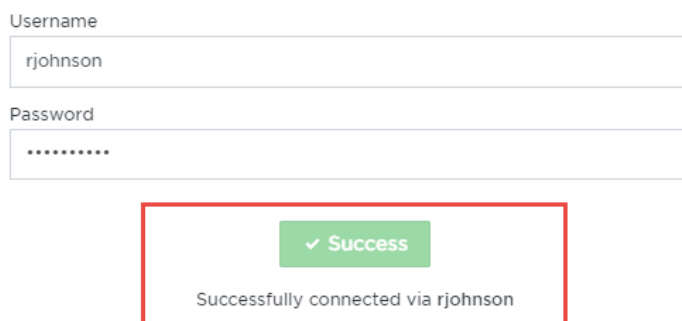
Connect via username and password

To connect via your BitBucket username and password, follow these steps:

1. Input your username and password, then click Test connection.



2. If the connection was successful, you'll see the following message:



Two-factor authentication

Currently, two factor authentication is not supported via username and password logins.

If you try and connect via two factor authentication, you'll see the following message:



Two-factor authentication is enabled. Please use a personal access token or app password to continue.

If your account has two-factor authentication enabled, you'll need to use an app password as your password.

To set up an app password for your service account:

1. Navigate to your BitBucket settings
2. Click **app passwords**

3. Select the following permissions:

- Account: Read
- Repositories: Read
- Pull requests: Read
- Issues: Read

These permissions allow Flow to use all services and webhooks.

The screenshot shows the 'Add app password' configuration page in BitBucket. On the left sidebar, the 'App passwords' option is highlighted with a red box. The main content area is titled 'Add app password' and includes a 'Details' section with a 'Label' input field (marked with a red '1'). Below this is a 'Permissions' section with several categories and their respective permissions:

- Account:** Email, Read, Write
- Team membership:** Read, Write
- Projects:** Read, Write
- Repositories:** Read, Write, Admin, Delete
- Pull requests:** Read, Write
- Issues:** Read, Write
- Wikis:** Read and write (marked with a red '2')
- Snippets:** Read, Write
- Webhooks:** Read and write
- Pipelines:** Read, Write, Edit variables

At the bottom of the page, there are 'Create' and 'Cancel' buttons (marked with a red '3').

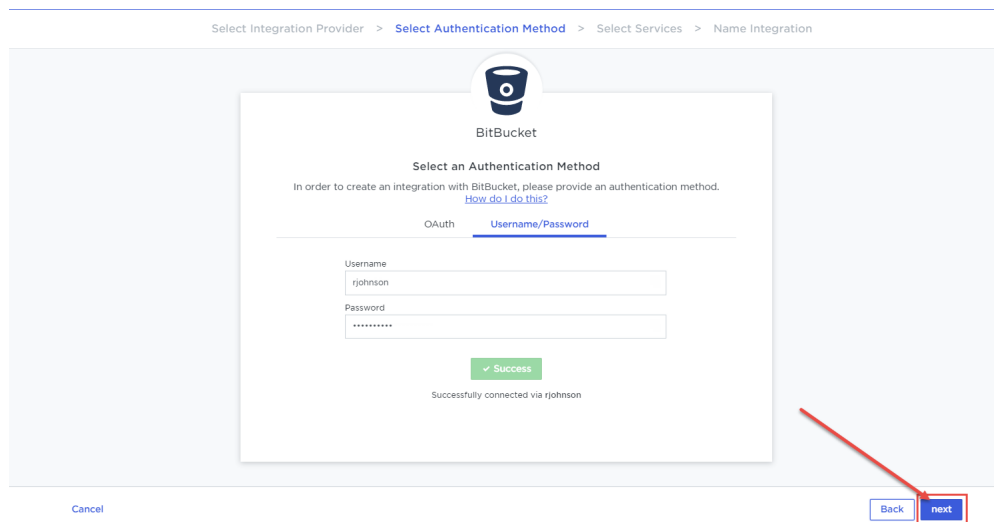
Once complete, click **Create**. You may now use the newly created app password in the Password field in Flow.

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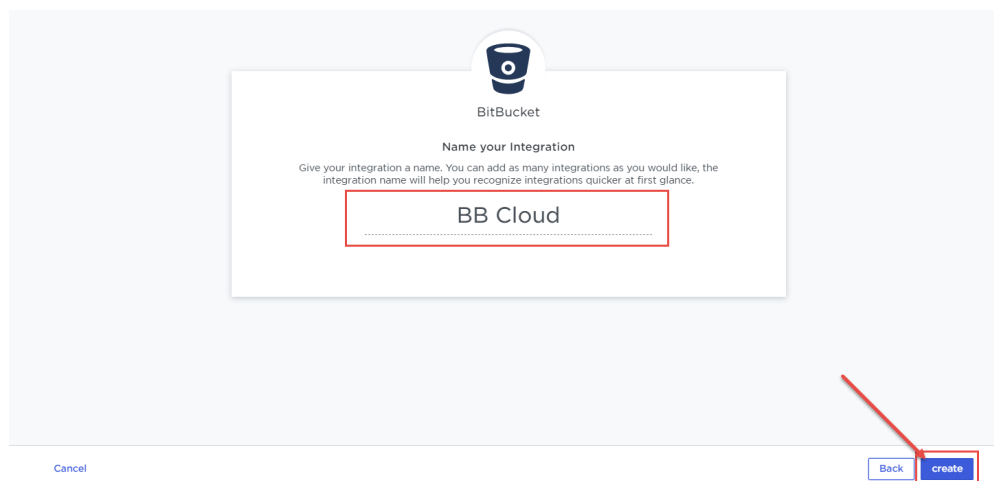
Finishing up

Once you have a successful connection, you can finalize your integration and begin importing repos as outlined below:

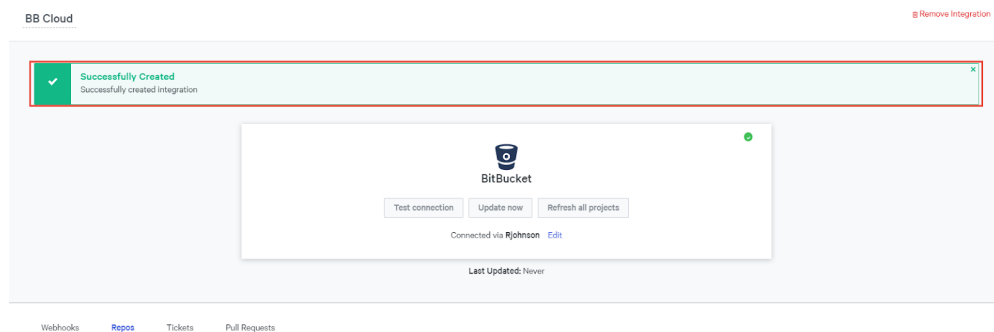
1. Click **Next** from the BitBucket Authentication Method screen.



2. On the next screen, select the services you want turned **on**. Then click **Next**. Leaving all three services **on** allows Flow to ingest ticket data, pull request data, and repo data. You can turn services **on** and **off** at any time.
3. Name your integration so you can identify the connected account. Then click **Create**.



4. Once you've successfully created a new BitBucket cloud integration, you'll see the below message.



5. If you see all the appropriate groups and projects under the **Repos** tab, Flow has the correct access to any repos associated with these projects. To begin importing repos, click the **repo import page** link.

Webhooks **Repos** Tickets Pull Requests

Repo Project Settings

Basic **Advanced**

Here you will find all of the projects that you are able to import from this integration. You can configure if repos from a project will be automatically imported and whether the repos for a project are available to import. For more granular options, click the **Advanced** tab.

To import repos, go to the [repo import page](#).

Search

Results: 20 1-2 of 2

Group	Auto import	Show in repos page
CompanyName	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Roger Johnson	<input type="checkbox"/>	<input checked="" type="checkbox"/>

To learn more about managing your new integration settings, see [Managing integrations](#).

If you need help, please contact [Pluralsight Support](#).