



# GitLab Cloud setup

Tags: **Flow**

You can create a Gitlab Cloud integration with Flow through OAuth or access token.

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

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Who can use this?

Core  
✓

Plus  
✓

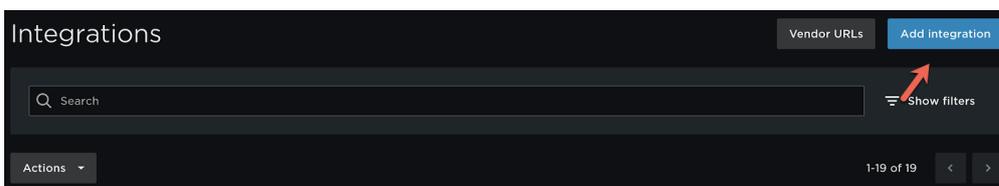
## Git host permission requirements

Flow only requires read access to your repositories. This permission is needed to process the metadata used to generate our reports. In order to use all services and webhooks when integrating with Flow, the service account must be a **maintainer** or **owner** at the project and repository level. If you don't want to enable webhooks, then the minimum permission needed in GitLab is **reporter** at the project and repository level.

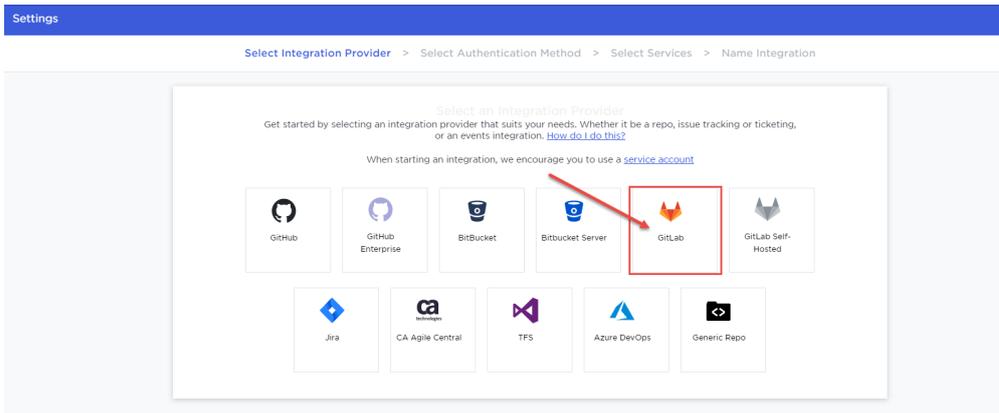
## Connect via OAuth

Connecting via OAuth is the fastest and easiest method to connect your repos.

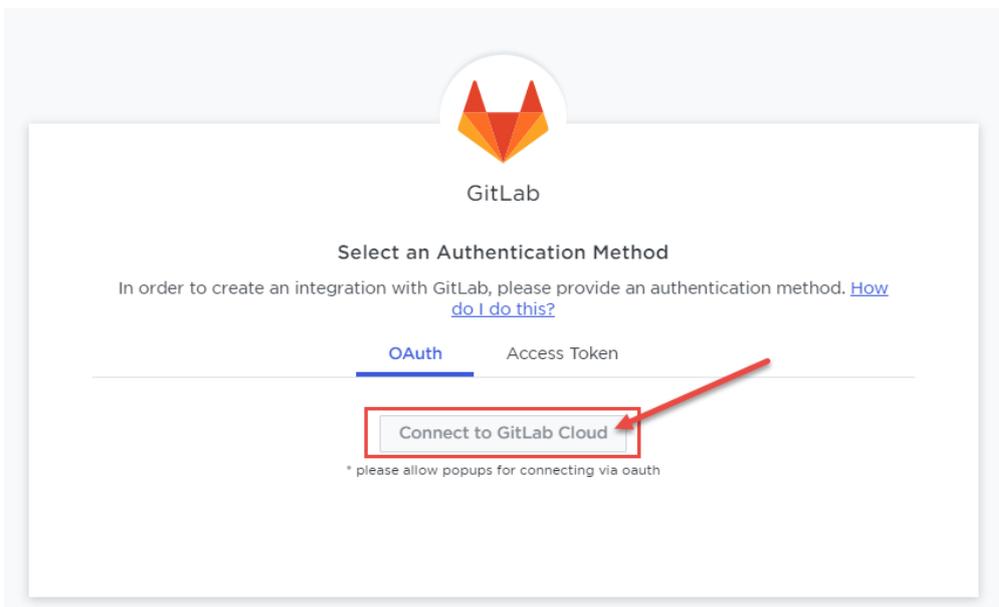
1. Click **Settings** in the top navigation. In the left navigation under **Integrations**, click **Integrations**.
2. Click **Add Integration** in the top right corner of your Integrations page.



3. On the following page, select GitLab from the Integration Provider list.



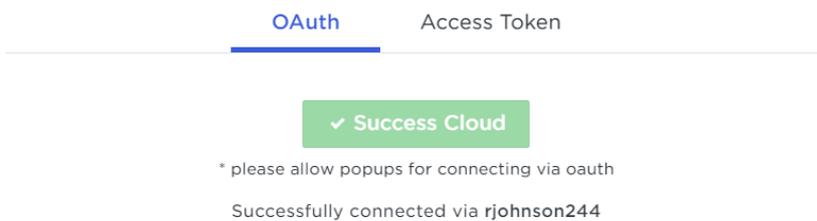
4. Under the **OAuth** tab, click Connect to **GitLab**.



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

**Note:** If you are not already logged in, you will be prompted to login and authorize the connection.

6. If the connection was successful you will receive a success message.



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

# Connect via personal access token

To connect via a personal access token, use the Access Token authentication method.

1. In GitLab, navigate to your Access Tokens page. For information on personal access tokens, and where to find Access Tokens page, see [Gitlab's help document \(opens in new tab\)](#).
2. On the Personal Access Tokens page, fill out the following information:
  - **Name:** Give the PAT a unique name so you can identify what it is being used for.
  - **Expires at:** This is optional. Note that if the PAT expires before you update it, Flow will not be able to continue to update and process your data.
  - **Scopes:** The minimum scopes needed are:
    - `api`
    - `Read_user`
3. Click **Create personal access token**.

User Settings > Access Tokens

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### Personal Access Tokens

You can generate a personal access token for each application you use that needs access to the GitLab API.

You can also use personal access tokens to authenticate against Git over HTTP. They are the only accepted password when you have Two-Factor Authentication (2FA) enabled.

### Add a personal access token

Pick a name for the application, and we'll give you a unique personal access token.

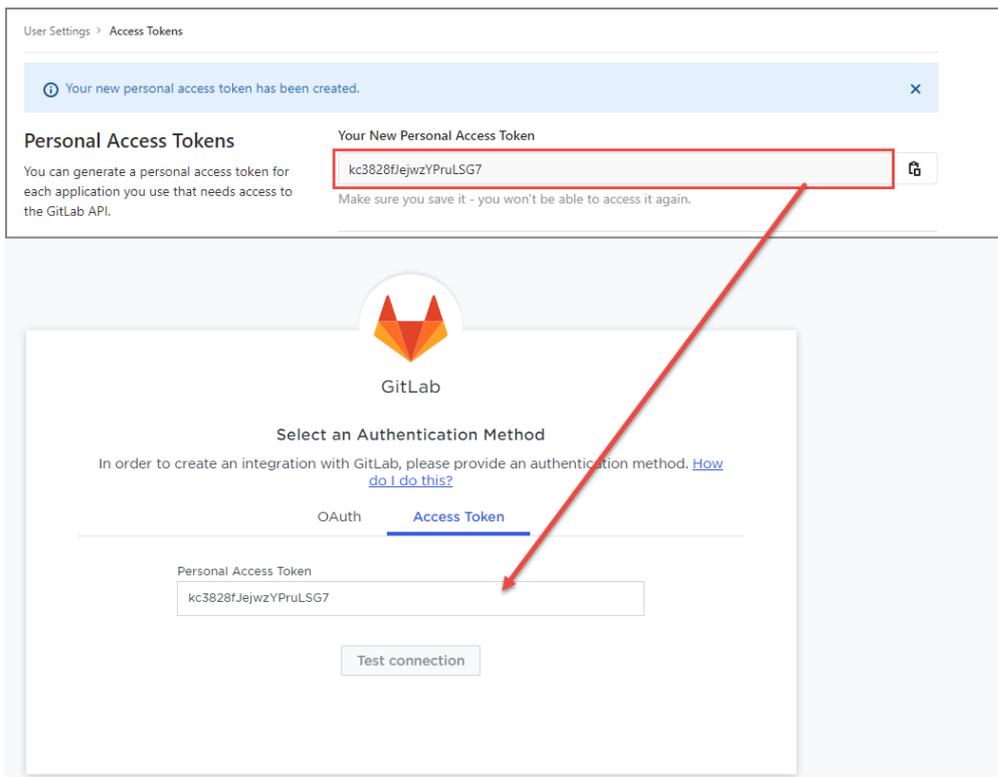
**Name**

**Expires at**

**Scopes**

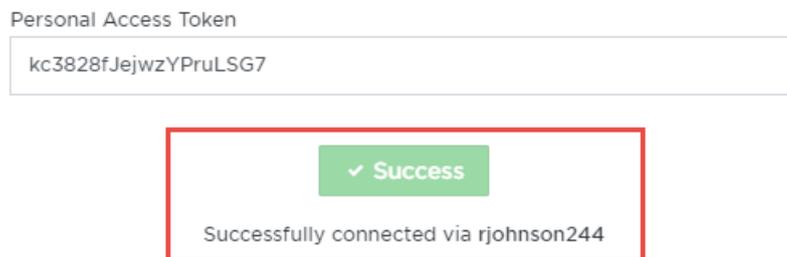
- api**  
Grants complete read/write access to the API, including all groups and projects, the container registry, and the package registry.
- read\_user**  
Grants read-only access to the authenticated user's profile through the /user API endpoint, which includes username, public email, and full name. Also grants access to read-only API endpoints under /users.
- read\_repository**  
Grants read-only access to repositories on private projects using Git-over-HTTP or the Repository Files API.
- write\_repository**  
Grants read-write access to repositories on private projects using Git-over-HTTP (not using the API).
- read\_registry**  
Grants read-only access to container registry images on private projects.

4. Copy your access token into the access token field in Flow.



5. Click **Test connection**.

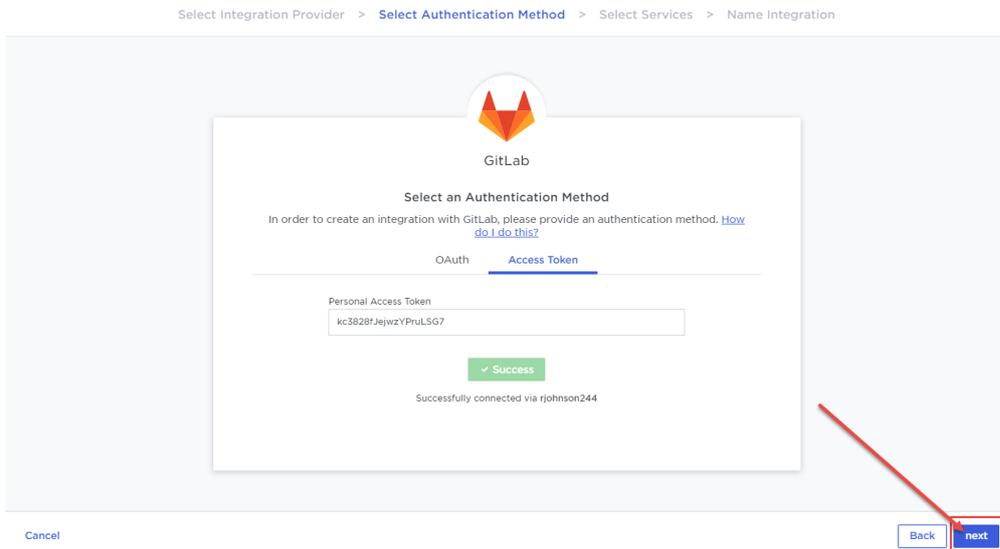
6. If the connection was successful you will receive a success message.



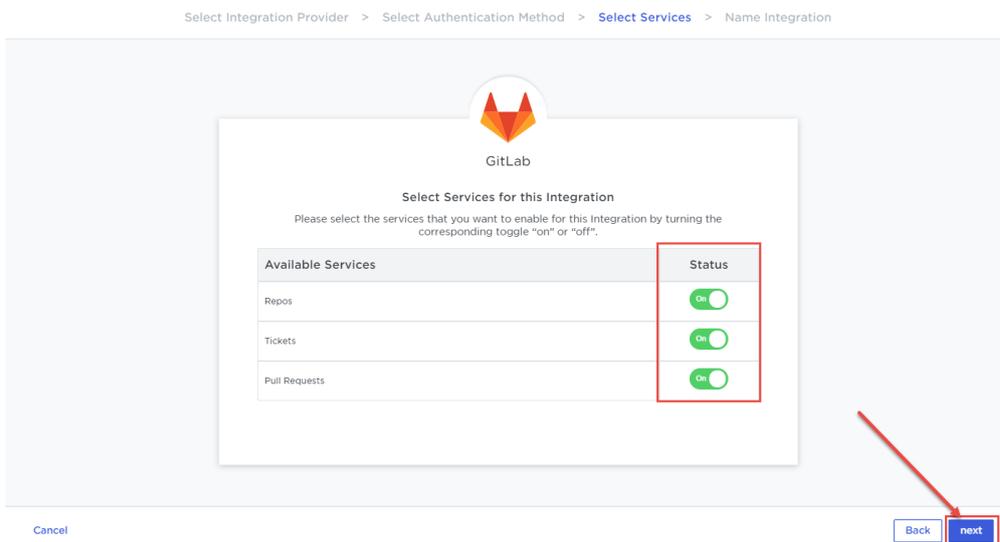
## Finishing up

Once you have a successful connection, you can finalize your integration and begin importing repos.

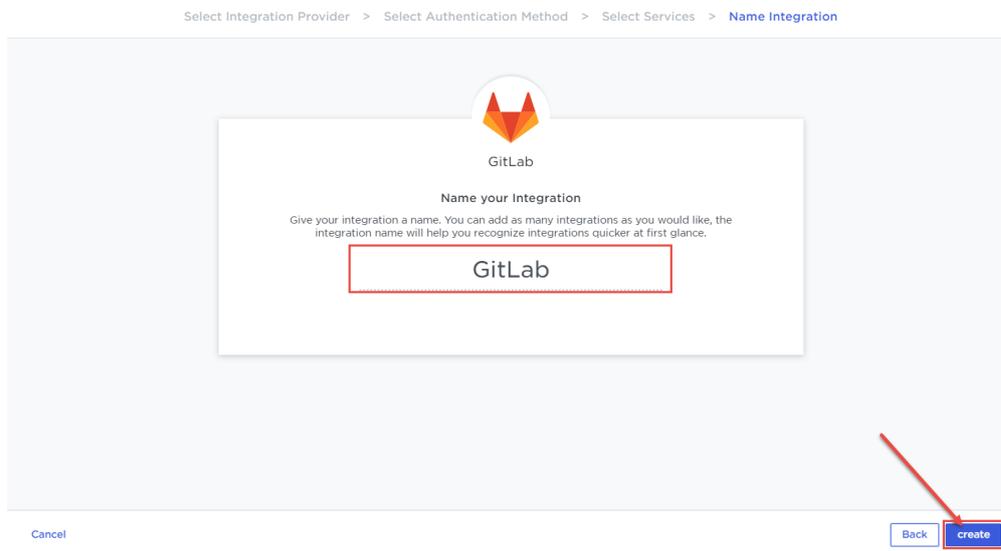
1. Click **Next**.



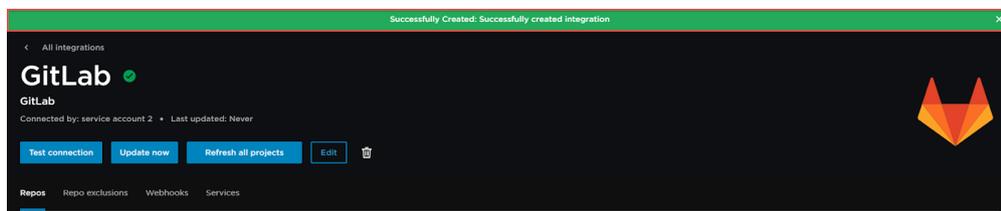
2. On the next screen, select the services you want turned on for this integration. Selecting all three services allows Flow to ingest ticket data, PR data, and repo data. You can turn services **on** and **off** at any time. Click **Next**.



3. Name your integration so you can identify the account. Click **Create**.



You have successfully created a new cloud integration.



From the Groups column on the Repo tab, you can view what groups of repos Flow can access. If any groups are missing, double check your GitLab permissions.

Click the repo import page link to begin importing repos.

Learn more about [managing integrations](#).

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