netDEF
Github App Setup

Introduction

Documentation on how to activate a server that allows creating communication between Bamboo CI and Github without using the webhook and still manages environment usage, like avoiding CI spam and collecting metrics.

Gems

All gems must be installed via the debian package (apt-get install)

- ruby-sinatra
- ruby-octokit
- ruby-netrc
- ruby-jwt
- ruby-json
- ruby-sidekiq
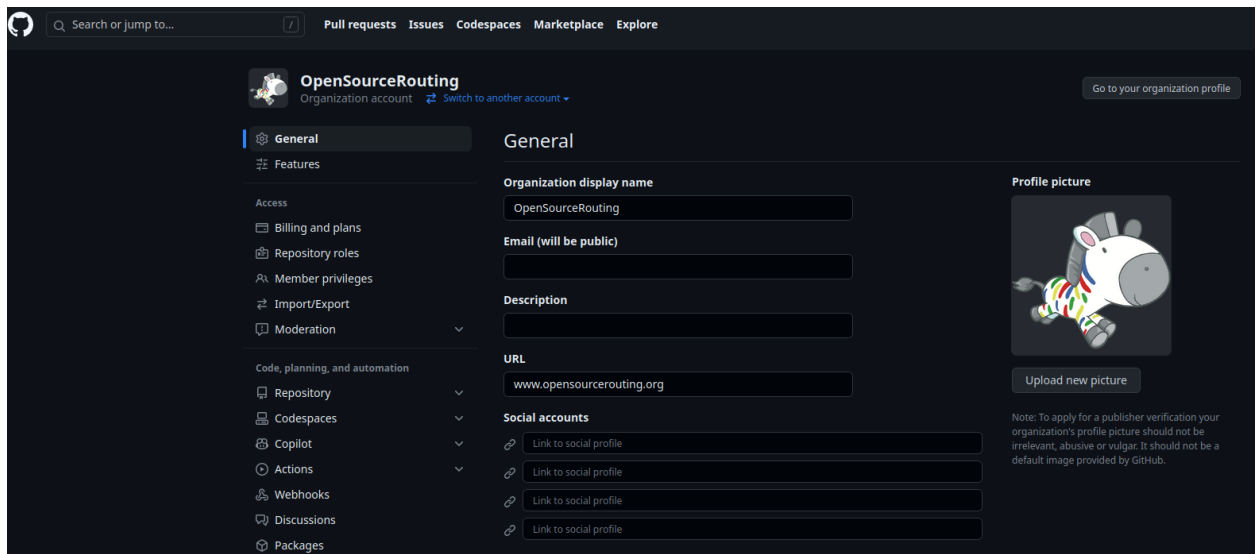- ruby-sidekiq-cron
- ruby-activerecord
- puma
- ruby-dotenv

Applications

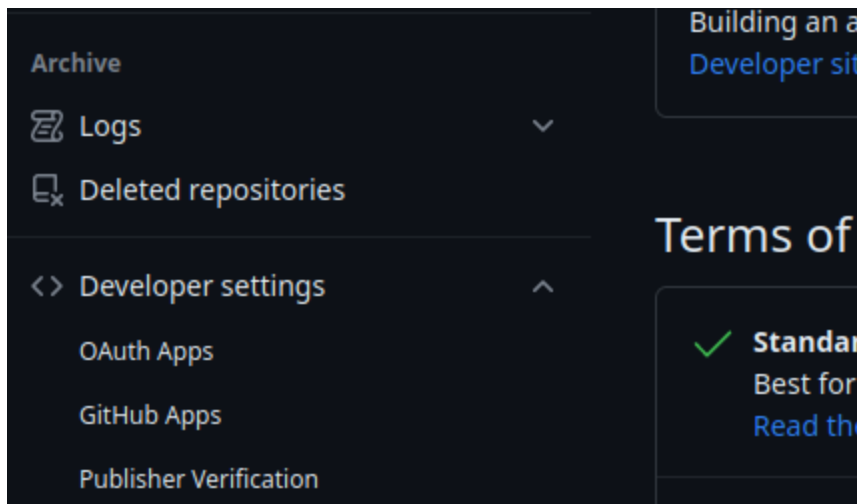- Redis - package redis
- PostgreSQL
- Git
- Ruby 3.0
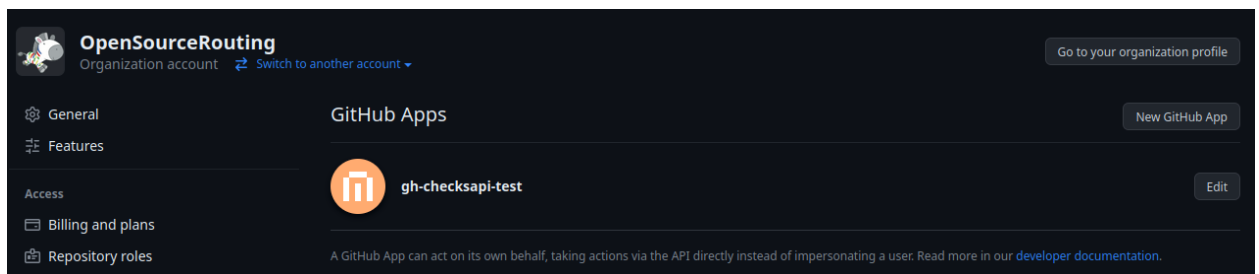
GitHub Application

How to create a new application.

1. Access account Settings

2. Click at "Developer settings"

3. Select GitHub Apps

4. Click at "New GitHub App"

5. Fill the form

Register new GitHub App

GitHub App name *

The name of your GitHub App.

| Write | Preview | | 📝 Markdown supported |

This is displayed to users of your GitHub App

Homepage URL *

The full URL to your GitHub App's website.

Identifying and authorizing users
The full URL to redirect to after a user authorizes an installation.

Add Callback URL

6. Set Webhook URL

Webhook

☑ **Active**
    We will deliver event details when this hook is triggered.

Webhook URL *

https://ci1.netdef.org/githubcheck

Events will POST to this URL. Read our webhook documentation for more information.

Webhook secret (optional)

Read our webhook secret documentation for more information.

SSL verification
🔒 By default, we verify SSL certificates when delivering payloads.

⦿ **Enable SSL verification**   ○ Disable (not recommended)

7. Set permissions

Permissions

User permissions are granted on an individual user basis as part of the User authorization flow.
Read our permissions documentation for information about specific permissions.

Repository permissions   ›
Repository permissions permit access to repositories and related resources.

Organization permissions   ›
Organization permissions permit access to organization related resources.

Account permissions   ›
These permissions are granted on an individual user basis as part of the User authorization flow.

8. Configure Repository Permissions

a. Checks - read and write

Repository permissions [2 Selected]   ⌄
Repository permissions permit access to repositories and related resources.

Actions ⓘ   [Access: No access ▾]
Workflows, workflow runs and artifacts.

Administration ⓘ   [Access: No access ▾]
Repository creation, deletion, settings, teams, and collaborators.

Checks ⓘ   [Access: Read and write ▾]
Checks on code.

b. Discussions - read and write

Deployments ⓘ   [Access: No access ▾]
Deployments and deployment statuses.

Discussions ⓘ   [Access: Read and write ▾]
Discussions and related comments and labels.

Environments ⓘ   [Access: No access ▾]
Manage repository environments.

Issues ⓘ   [Access: No access ▾]
Issues and related comments, assignees, labels, and milestones.

Merge queues ⓘ   [Access: No access ▾]
Manage a repository's merge queues

c. Issues - read and write

Discussions ⓘ   [Access: Read and write ▾]
Discussions and related comments and labels.

Environments ⓘ   [Access: No access ▾]
Manage repository environments.

Issues ⓘ   [Access: Read and write ▾]
Issues and related comments, assignees, labels, and milestones.

Merge queues ⓘ   [Access: No access ▾]
Manage a repository's merge queues

Metadata ⓘ (mandatory)   [Access: Read-only ▾]
Search repositories, list collaborators, and access repository metadata.

d. Pull Requests - read and write

Projects ⓘ
Manage classic projects within a repository.

Access: No access ▾

Pull requests ⓘ
Pull requests and related comments, assignees, labels, milestones, and merges.

Access: Read and write ▾

Repository security advisories ⓘ
View and manage repository security advisories.

Access: No access ▾

Secret scanning alerts ⓘ
View and manage secret scanning alerts.

Access: No access ▾

Secrets ⓘ
Manage Actions repository secrets.

Access: No access ▾

9. Set "Subscribe to events"

Subscribe to events

Based on the permissions you've selected, what events would you like to subscribe to?

☐ **Meta** ⓘ
When this App is deleted and the associated hook is removed.

☑ **Check suite** ⓘ
Check suite is requested, rerequested, or completed.

☑ **Discussion comment** ⓘ
Discussion comment created, edited, or deleted.

☐ **Issues** ⓘ
Issue opened, edited, deleted, transferred, pinned, unpinned, closed, reopened, assigned, unassigned, labeled, unlabeled, milestoned, demilestoned, locked, or unlocked.

☐ **Merge queue entry** ⓘ
Merge Queue entry added

☑ **Pull request** ⓘ
Pull request assigned, auto merge disabled, auto merge enabled, closed, converted to draft, demilestoned, dequeued, edited, enqueued, labeled, locked, milestoned, opened, ready for review, reopened, review request removed, review requested, synchronized, unassigned, unlabeled, or unlocked.

☐ **Security advisory** ⓘ
Security advisory published, updated, or withdrawn.

☑ **Check run** ⓘ
Check run is created, requested, rerequested, or completed.

☐ **Discussion** ⓘ
Discussion created, edited, closed, reopened, pinned, unpinned, locked, unlocked, transferred, answered, unanswered, labeled, unlabeled, had its category changed, or was deleted.

☑ **Issue comment** ⓘ
Issue comment created, edited, or deleted.

☐ **Label** ⓘ
Label created, edited or deleted.

☐ **Milestone** ⓘ
Milestone created, closed, opened, edited, or deleted.

☐ **Public** ⓘ
Repository changes from private to public.

☐ **Pull request review** ⓘ
Pull request review submitted, edited, or dismissed.

☑ **Pull request review comment** ⓘ
Pull request diff comment created, edited, or deleted.

☐ **Pull request review thread** ⓘ
A pull request review thread was resolved or unresolved.

10. Where can this GitHub App be installed?
    a. Select "Only on this account"
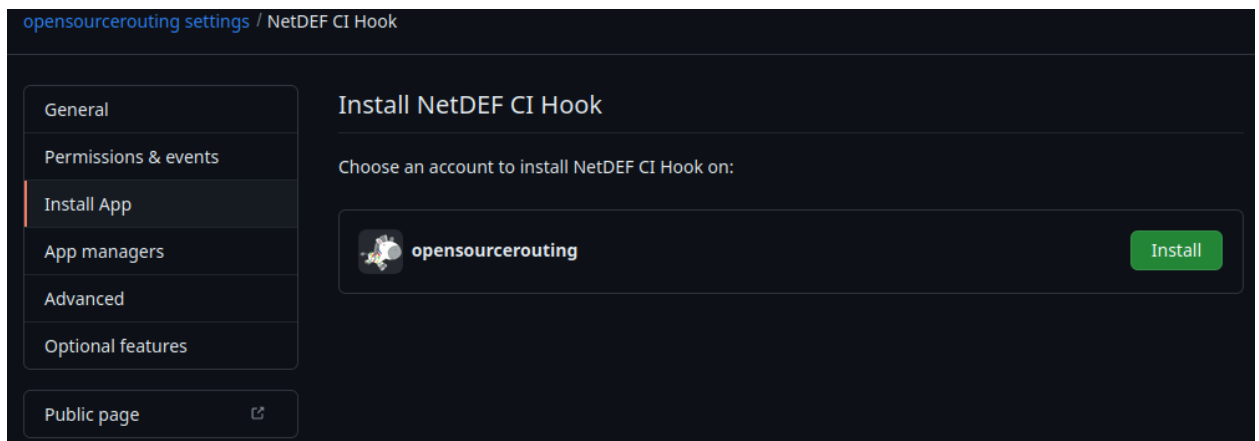11. Create app

12. Your app general page
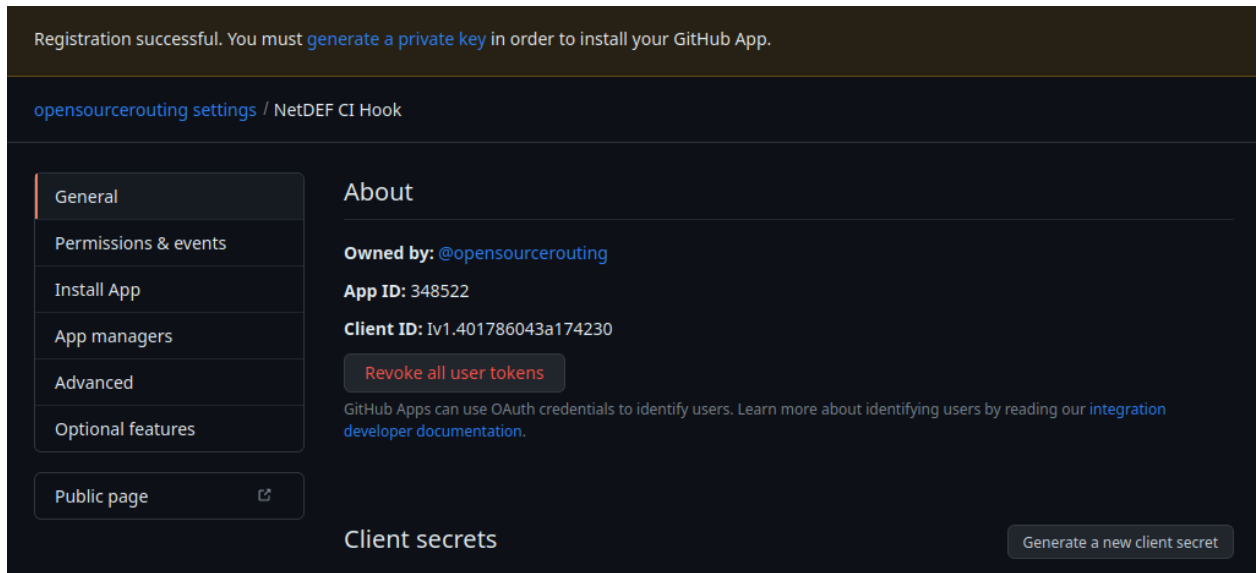
13. Generate a new client secret
    a.   This secret must be put at your service root directory
14. Enable SSL verification
15. Upload a logo if you have one
16. Select "Install App" tab

17. Check if already installed
18. Click at "Install"
19. Select "Only select repositories"

20. Select the repos

21. Click "Install'
22. Done