

1 Login buildkite, <https://buildkite.com/>

Start your Buildkite Trial

Lightning fast testing and delivery for all your software projects

Why try Buildkite?

- Build on any language, source code tool, platform
- Keep your secrets on your infrastructure
- Get better insights about your tests
- Work in a UI crafted for engineers

Your full name

Your organization name

Your work email address

Create a password

Get Started

buildkite.com

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Features Screencasts Case Studies

Pricing About Login **Start Trial**

Lightning fast testing and delivery for all your software projects

Buildkite is a platform for running fast, secure, and scalable continuous integration pipelines on your own infrastructure.



2 Use docker as a agent to run pipeline

buildkite.com/organizations/1232/agents#setup-docker

1232 Pipelines Agents 0 Users Settings

Agent Quick Start Guides

Ubuntu Debian RH/CentOS FreeBSD Docker macOS Windows Linux/Other AWS

Start an agent with the **official image** based on Alpine Linux:

```
docker run -e BUILDKITE_AGENT_TOKEN="4a84fe2cabd4df10ec39e9c8a47d935f62e7bb583148de9856" buildkite/agent
```

A much larger Ubuntu-based image is also available:

```
docker run -e BUILDKITE_AGENT_TOKEN="4a84fe2cabd4df10ec39e9c8a47d935f62e7bb583148de9856" buildkite/agent
```

Alternatively all our installers are capable of running your builds within isolated Docker containers. Install the relevant agent for your system.

See the [Docker docs](#) for more details.

Filter agents...

No agents connected

Agent Token

Your Buildkite agent token and start new Buildkite agent documentation

Reveal Agent

```
com.docker.cli
fangfang.bai@FangfangdeMacBook-Pro workspace % git clone git@github.com:tianm2009/sqs-sample.git
Cloning into 'sqs-sample'...
remote: Enumerating objects: 37, done.
remote: Counting objects: 100% (37/37), done.
remote: Compressing objects: 100% (26/26), done.
remote: Total 37 (delta 1), reused 33 (delta 0), pack-reused 0
Receiving objects: 100% (37/37), 55.46 KiB | 11.00 KiB/s, done.
Resolving deltas: 100% (1/1), done.
fangfang.bai@FangfangdeMacBook-Pro workspace % pwd
/Users/fangfang.bai/workspace
fangfang.bai@FangfangdeMacBook-Pro workspace % docker run -e BUILDKITE_AGENT_TOKEN="961462298f8e5a604435e7343c2e5f65f4ec1ef815752805a1" buildkite/agent

Unable to find image 'buildkite/agent:latest' locally
latest: Pulling from buildkite/agent
188c0c94c7c5: Pull complete
a82f4dd060bd: Pull complete
9817d98d4763: Pull complete
95cc1ea93f11: Pull complete
5fe87b26d9ae: Pull complete
fb462ae424cb: Pull complete
Digest: sha256:798c0fca06f5af9c866d1b9d43256dd8758da5f4345ee82c6dbc71b8d3ec33142
Status: Downloaded newer image for buildkite/agent:latest

https://buildkite.com/agent

2021-02-25 06:29:09 NOTICE Starting buildkite-agent v3.26.0 with PID: 8
```

3 When docker run success will show the agents number is 1

buildkite.com/1232/fafafa?welcome=true

1232 Pipelines Agents 1 Users Settings

1232 / fafafa

All Builds Edit Steps Pipeline Settings New Build

Now get ready to run your first build

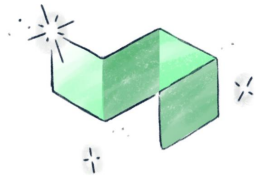
You can trigger a build using the New Build button above, or via the [REST API](#), for example:


```
curl -H "Authorization: Bearer $TOKEN" "https://api.buildkite.com/v2/organizations/1232/pipelines/fafafa/builds" \
  -X "POST" \
  -F "commit=HEAD" \
  -F "branch=master" \
  -F "message=First build :rocket:"
```


4 Create pipeline, remove previous -> command, and add repository


Create your first pipeline


Pipelines are how you automate your builds, tests and deployments. Choose a repository provider to get started ✨



 **GitHub**
Includes GitHub Enterprise

 **Bitbucket**
Includes Bitbucket Server

 **GitLab**
Includes GitLab Community/Enterprise Edition

 **Other provider (manual configuration)**
Support for any other Git provider

Buildkite can use any Git repository provider, but you will need to start builds from the Buildkite dashboard or use our APIs.

Create pipeline

New Pipeline

Name — Required
Pipeline5
The name for the pipeline

Description
tiantian2
The description for the pipeline (supports :emoji:)

Git Repository URL — Required
https://github.com/bffang/simple-buildkite-demo.git
The repository your agents will use to checkout your code.

Environment Variables

Separate each variable with a new line, in the format `FOO=bar`. Individual steps can override these values.
Pipeline secrets should not be stored as environment variables.

Steps — Required
Run script or command Add

Run script or command

Wait for previous steps to pass

Wait and block pipeline

Read steps from repository

Clone

Remove

Agent Targeting Rules ✓
Environment Variables ✓
Branch Filtering ✓
Automatic Artifact Uploading ✓
Automatic Timeout ✓

5 The process of create pipeline

n/faa/sasa/settings/setup/github?setup=true

idea vi liquibase Docker Hub https://docs.aws... OpenAPI OpenAPI-english Git - Book aws zuoye TimeCard 使用 kubectl f

faa Pipelines Agents Users Settings My Builds Help

GitHub Webhook Setup

Follow the instructions below to integrate Buildkite with your GitHub repository to automatically create new builds when you push new code.

[Skip Webhook Setup](#)

- Visit your repository's **Webhooks** settings:
<https://github.com/bffang/simple-buildkite-demo/settings/hooks>
If you don't have permission to see this page, you'll need to get your repository admin to do this step.
- Click the **Add webhook** button.
- Copy and paste the following into the **Payload URL** field:
`https://webhook.buildkite.com/deliver/704ac841f69d8bb30bc32b614cea7c733c52f725110306554e`
- Ensure **Content type** is: **application/json**.
- Check **Let me select individual events**, and the following events:
 - Deployments**
 - Pull Requests**
 - Pushes**

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

`https://webhook.buildkite.com/deliver/xyz`

Content type

application/json

Secret

☐ Send me **everything**.

☒ Let me select individual events.

☐ **Check runs**

Check run created from the API.

☐ **Commit comments**

Commit or diff commented on.

☐ **Branch or tag deletion**

Branch or tag deleted.

☐ **Deployment statuses**

Deployment status updated from the API.

☐ **Wiki**

Wiki page updated.

☐ **Issues**

Issue opened, edited, closed, reopened, assigned, unassigned, labeled, unlabeled, milestoned, or demilestoned.

☐ **Collaborator add, remove, or changed**

Collaborator added to, removed from, or has changed permissions for a repository.

☐ **Page builds**

Pages site built.

☐ **Project cards**

Project card created, updated, or deleted.

☐ **Visibility changes**

Repository changes from private to public.

☐ **Pull request reviews**

Pull request review submitted, edited, or dismissed.

☒ **Pushes**

Git push to a repository.

☐ **Check suites**

Check suite created from the API.

☐ **Branch or tag creation**

Branch or tag created.

☒ **Deployments**

Repository deployed.

☐ **Forks**

Repository forked.

☐ **Issue comments**

Issue comment created, edited, or deleted.

☐ **Labels**

Label created, edited or deleted.

☐ **Milestones**

Milestone created, closed, opened, edited, or deleted.

☐ **Projects**

Project created, updated, or deleted.

☐ **Project columns**

Project column created, updated, moved or deleted.

☒ **Pull requests**

Pull request opened, closed, reopened, edited, assigned, unassigned, review requested, review request removed, labeled, unlabeled, or synchronized.

☐ **Pull request review comments**

Pull request diff comment created, edited, or deleted.

☐ **Releases**

Release published in a repository.

☒ **Active**

We will deliver event details when this hook is triggered.

Add webhook

6. Click **Add webhook**. Now when you push a commit, open a Pull Request, or start a GitHub deployment a new build will be triggered on Buildkite.

7. If you'd like Buildkite to update the status of your pull requests you need to [connect your GitHub account](#).

Continue to Pipeline

6 Setting the pipeline

faa / SASA
SAS

All Builds ▾

Edit Steps

Pipeline Settings

There are no builds for this pipeline yet.

You can trigger a build using the New Build button above, or via the [REST API](#), for example:

```
curl -H "Authorization: Bearer $TOKEN" "https://api.buildkite.com/v2/organizations/faa/pipelines/sasa/builds" \
-X "POST" \
-F "commit=HEAD" \
-F "branch=master" \
-F "message=First build :rocket:"
```

You can also [setup a GitHub webhook](#) to automatically trigger builds when you push new code or submit a Pull Request.

faa / SASA
SAS

All Builds ▾

Edit Steps

Pipeline Settings

New Build

Pipeline Settings

General

Builds

GitHub

Schedules

Build Badges

Personal Email Settings

Repository Settings

Repository — Required

The repository your agents will use to checkout your code.

Save Repository

Branch Limiting

Limit which branches and tags cause new builds to be created, either via a code push or via the Builds REST API. Builds created with the "New Builds" button will ignore this setting.

Branch Filter Pattern

Separate each branch with a space, for example: `main stable-* !unstable`. For more examples see the [branch configuration guide](#)

☐ Trigger builds on deployments

Creates a new build whenever a deployment is created with the [GitHub Deployments API](#).

☐ Trigger builds on fork

Creates a new build whenever the GitHub repository is forked.

☐ Disable all GitHub activity

Disables all build and status updates based on GitHub activity.

Save GitHub Settings

GitHub Setup Instructions

7 How to find the webhook's URL

The webhook's payload url is :

<https://webhook.buildkite.com/deliver/704ac841f69d8bb30bc32b614cea7c733c52f725110306554e>

buildkite.com/faa/sasa/settings/setup/github

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[Back to the Pipeline](#)

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Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. You can also specify which data format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information can be found in [our developer documentation](#).

Payload URL *

`https://webhook.buildkite.com/deliver/xyz`

Content type

application/json

8 The pipeline show in following picture

buildkite.com/faa

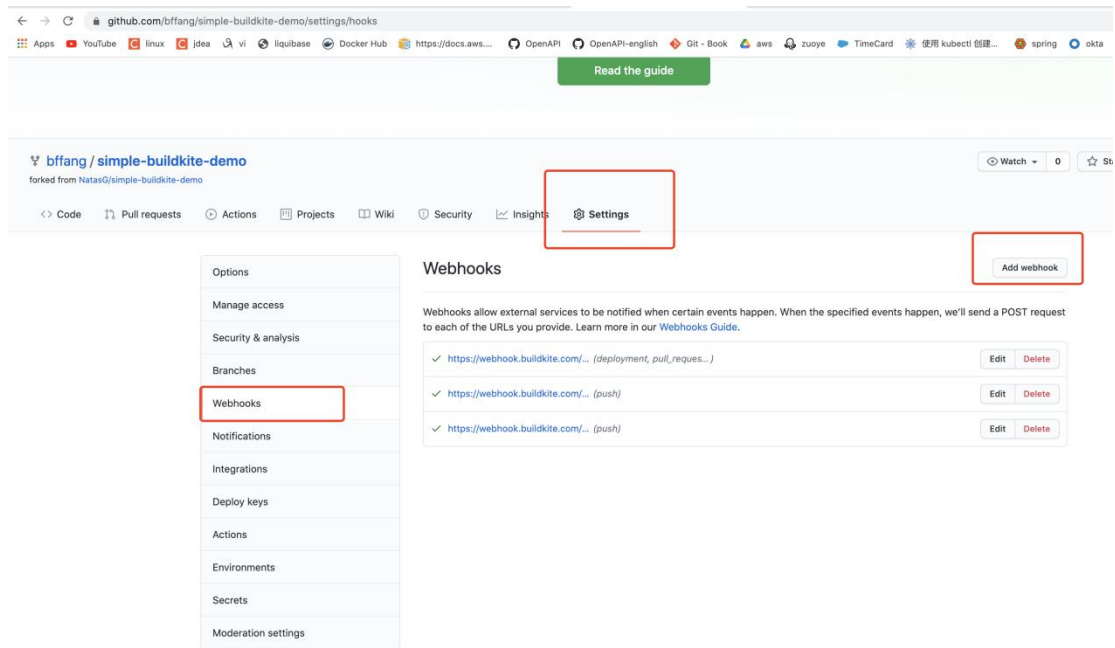
YouTube linux idea vi liquibase Docker Hub https://docs.aws... OpenAPI OpenAPI-english Git - Book aws zuoye TimeCard 使用 kubect! 创建... spri

faa Pipelines Agents Users Settings My Builds Help fangfang

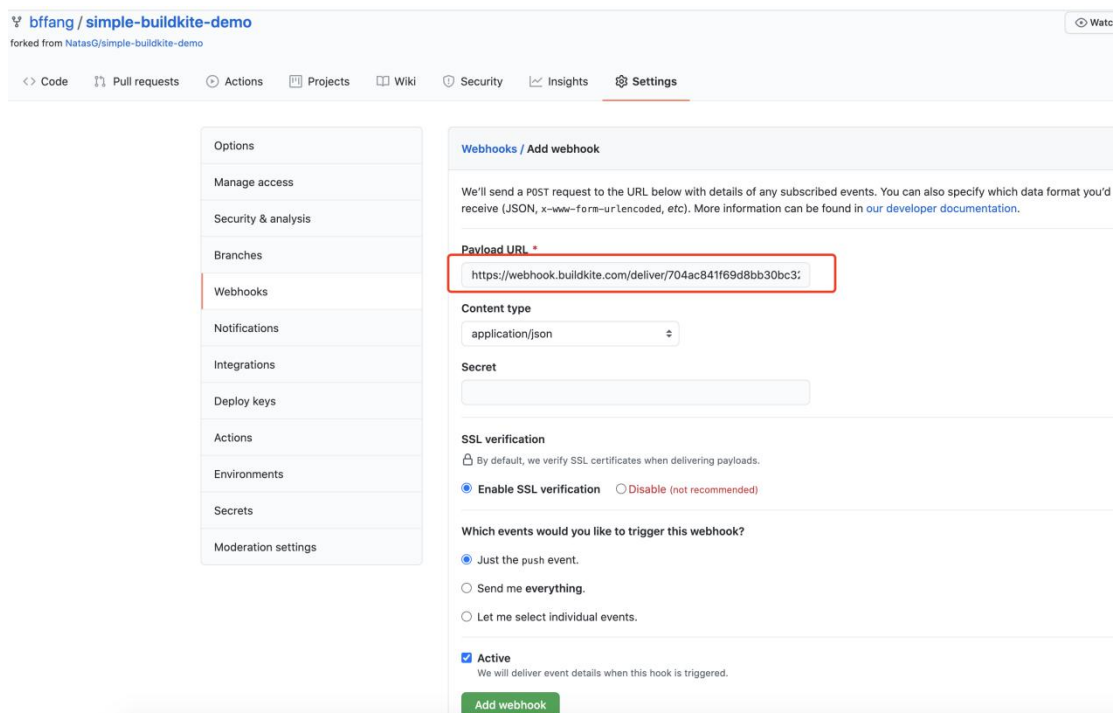
faa Filter

	master	Speed	Reliability	Builds	
Pipeline5 tiantian2					

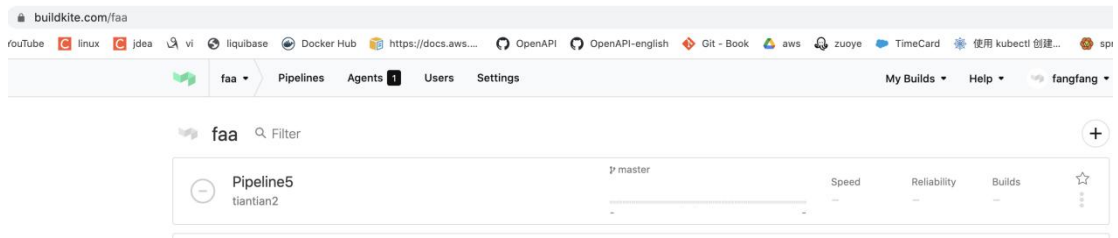
9 Setting the Webhooks at git



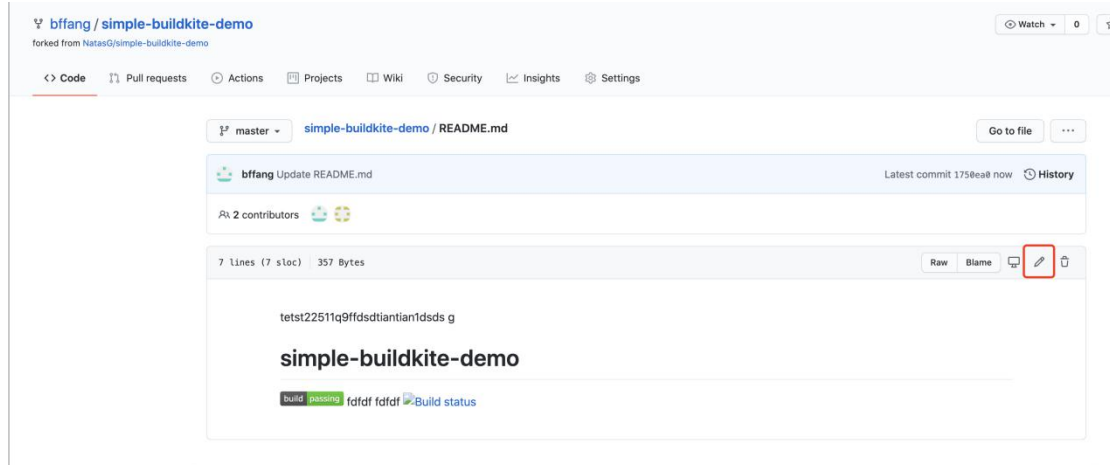
10 payload can use the above url, which is:
<https://webhook.buildkite.com/deliver/704ac841f69d8bb30bc32b614cea7c733c52f725110306554e>



11 Check the pipeline is create success



12 Change the coding and commit



13 Will automatic trigger the pipeline

