

Integrate with GitHub Webhook

Webhook allow external services to be notified when certain events happen within your repository. When the specified events happen we'll send a POST request to each of the URLs you provide.

We will create a new item and then use our own GitHub codes to trigger the build. We will see that when we change our GitHub codes, the build will automatically start without waiting. When our code changes, GitHub's Webhook will tell Jenkins that the code is changed, so the build will occur immediately.

1. Create a new item
2. You can enter the GitHub project.

GeneralSource Code ManagementBuild TriggersBuild EnvironmentBuildPost-build Actions

Description

[Plain text] Preview

Discard old builds

GitHub project

Project urlhttps://github.com/walter-cw/hello-world

Advanced...

This build requires lockable resources

This project is parameterized

Throttle builds

Disable this project

Execute concurrent builds if necessary

Save

Apply

Advanced...

Enter Github

3. Check the GitHub Project from Source Control Management then enter your GitHub repository URL.

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Description

[Plain text] Preview

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Advanced...

This build requires lockable resources

This project is parameterized

Throttle builds

Disable this project

Execute concurrent builds if necessary

Save

Apply

Advanced...

Github Repo Source

4. Then from Build Triggers click on GitHub hook trigger for GITScm polling

Build Triggers

Trigger builds remotely (e.g., from scripts)

Build after other projects are built

Build periodically

GitHub Branches

GitHub Pull Requests

GitHub hook trigger for GITScm polling

Poll SCM

Github hook trigger

4. You can add build steps. But for this example, we want to show you how to trigger GitHub Webhook. So we will not add build command. After that please click on **apply** and **save**

GeneralSource Code ManagementBuild TriggersBuild EnvironmentBuildPost-build Actions

Delete workspace before build starts

Use secret text(s) or file(s)

Abort the build if it's stuck

Add timestamps to the Console Output

Create Delivery Pipeline version

Inspect build log for published Gradle build scans

With Ant

Build

Add build step

Post-build Actions

Add post-build action

Save

Apply

Apply and Save

5. Go to your GitHub repository page then click on Settings.

walter-cw / hello-world

Unwatch1Star0Fork0

Code

Issues

Pull requests

Actions

Projects

Wiki

Security

Insights

Settings

Test for educational purposes.

Manage topics

4 commits

1 branch

0 packages

0 releases

2 contributors

Search master

New pull request

Create new file

Upload files

Find file

Clone or download

walter-cw say hello to Jenkins!

Latest commit 6ee4d99 2 days ago

hello-world.py

say hello to Jenkins!

2 days ago

Help people interested in this repository understand your project by adding a README.

Add a README

Github Settings

6. You will see Webhooks from settings menu. Click on Webhooks.

walter-cw / hello-world

Unwatch1Star0Fork0

Options

Manage access

Branches

Webhooks

Notifications

Integrations

Deploy keys

Secrets

Actions

Moderation

Interaction limits

Settings

Repository namehello-worldRename

Template repository

Template repositories let users generate new repositories with the same directory structure and files. Indicate if walter-cw/hello-world can be used as a template for creating other repositories.

Social preview

Upload an image to customize your repository's social media preview. Images should be at least 640x320px (1280x640px for best display).

Download template

Webhooks

7. Click on Add webhook.

walter-cw / hello-world

Unwatch1Star0Fork0

Options

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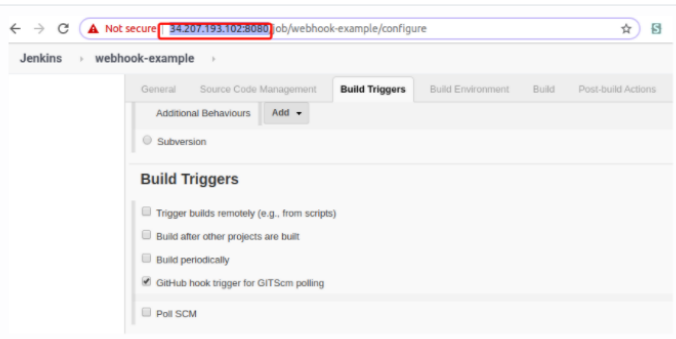
Webhooks

Add webhook

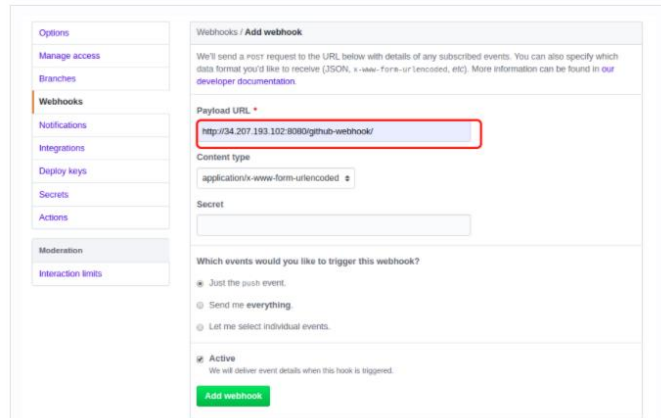
Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

Add Webhooks

8. Copy to your Jenkins URL and paste into **Payload URL** section. Be careful, you can't use localhost:8080. But you can use your EC2 machine's Jenkins URL. You must add **/github-webhook/** at the end of your URL. Then click on **Add Webhook**

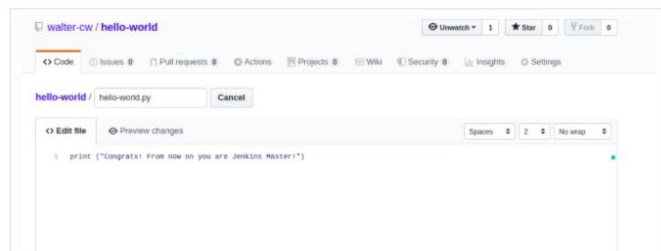


Take Jenkins URL



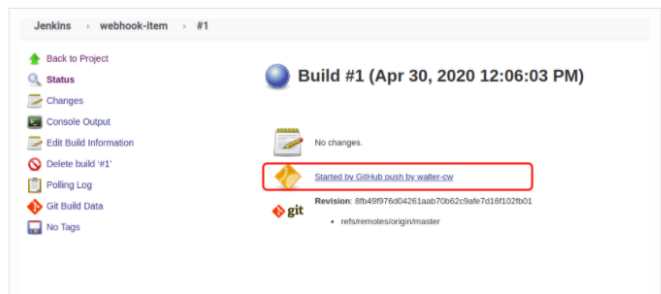
Write URL to Payload URL

9. Go back to your repository and make changes at your code (make commit).



Edit your code

10. When you change your repository, Github webhook understands the changes and immediately tells your Jenkins to update the project. Then Jenkins will automatically start a new build. You will see that the build is started by GitHub.



New Build Console Output

