

# Fullstack Development

# Preflight project - deployment

Github Repo

# Local machine

# Clear your dev environment

- Remove all containers
- Remove volumes
  - `docker volume prune -a`
- Remove all image cache
  - `docker image prune -a`

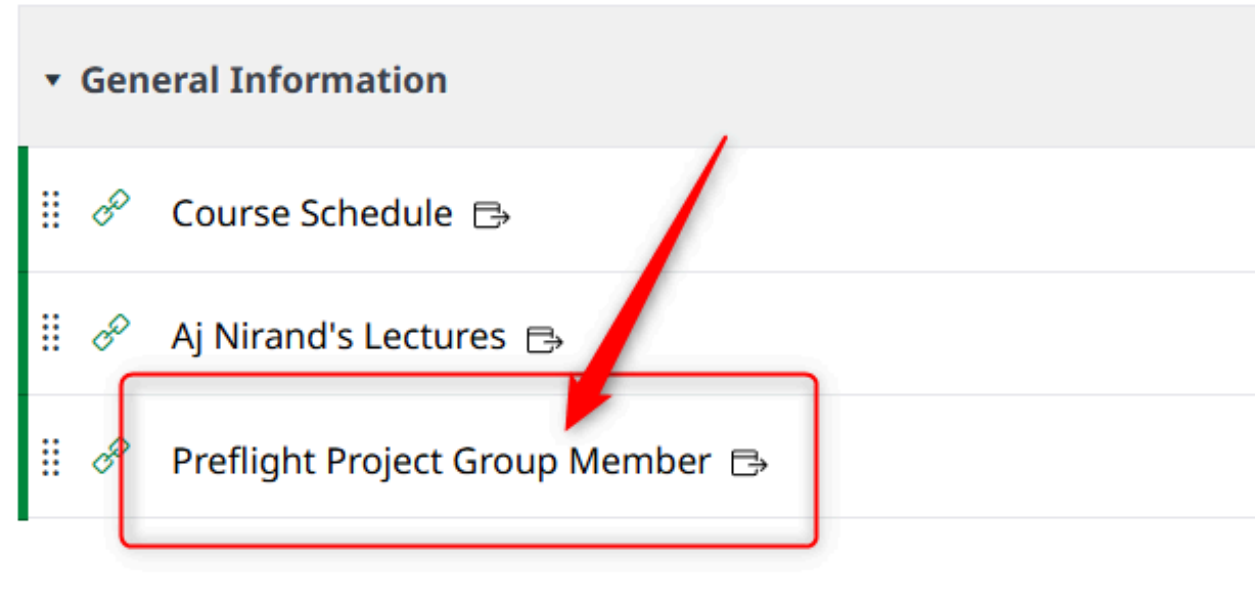
# Setup

- `git clone https://github.com/fullstack-68/pf-deploy.git`
  - *Better yet, fork and clone this repo*
- `cd pf-deploy`
- Make `.env` from `.env.example` (Make necessary changes.)
- Take care of `./_entrypoint/init.sh`
  - Windows: Make sure that you save with LF option.
  - Mac/Linux: `chmod +x ./\_entrypoint/init.sh`
- `docker compose up -d --force-recreate`

# Remote server

# Setup

- `ssh USERNAME@10.10.x.x`
- Repeat steps we just did on local machine
- Check log by `docker compose logs`



# CI/CD



# CI/CD

- Stands for *Continuous Integration and Continuous Delivery/Deployment*.
- Practice that aims to automate and streamline the process of `building`, `testing`, and `deploying` code.
- We will explore the automated *building and deploying* in this class.

# Setup

```
# Repository Variable
PROJECT_GROUP=gxx
IMAGE_NAME=DOCKERHUB_ACCOUNT/preflight-frontend

# Repository Secret
WEBHOOK_SECRET=
DISCORD_WEBHOOK=
DOCKERHUB_USERNAME=
DOCKERHUB_TOKEN=
```

# Discord Webhook

Engagement

Boost Perks

EXPRESSION

Emoji

Stickers

Soundboard

PEOPLE

Members

Roles

Invites

Access

APPS

Integrations

App Directory



## Integrations > Webhooks



ESC

Webhooks are a simple way to post messages from other apps and websites into Discord using internet magic.  
[Learn more](#), or try [building one yourself](#).

New Webhook

### Posting To #General



Spidey Bot


Created on Jun 30, 2025 by nnnpooH



# Dockerhub Token

[Personal access tokens](#) / New access token

## Create access token

A personal access token is similar to a password except you can have many tokens and revoke access to each one at any time. [Learn more](#) 

Access token description

Github Action

Expiration date

None



Optional

Access permissions

Read & Write



Read & Write tokens allow you to push images to any repository managed by your account.

Cancel

Generate

# Test `cpe_sever` Webhook

Send `POST` request

- <https://fs-webhook.iecmu.com/hooks/test>
- Body

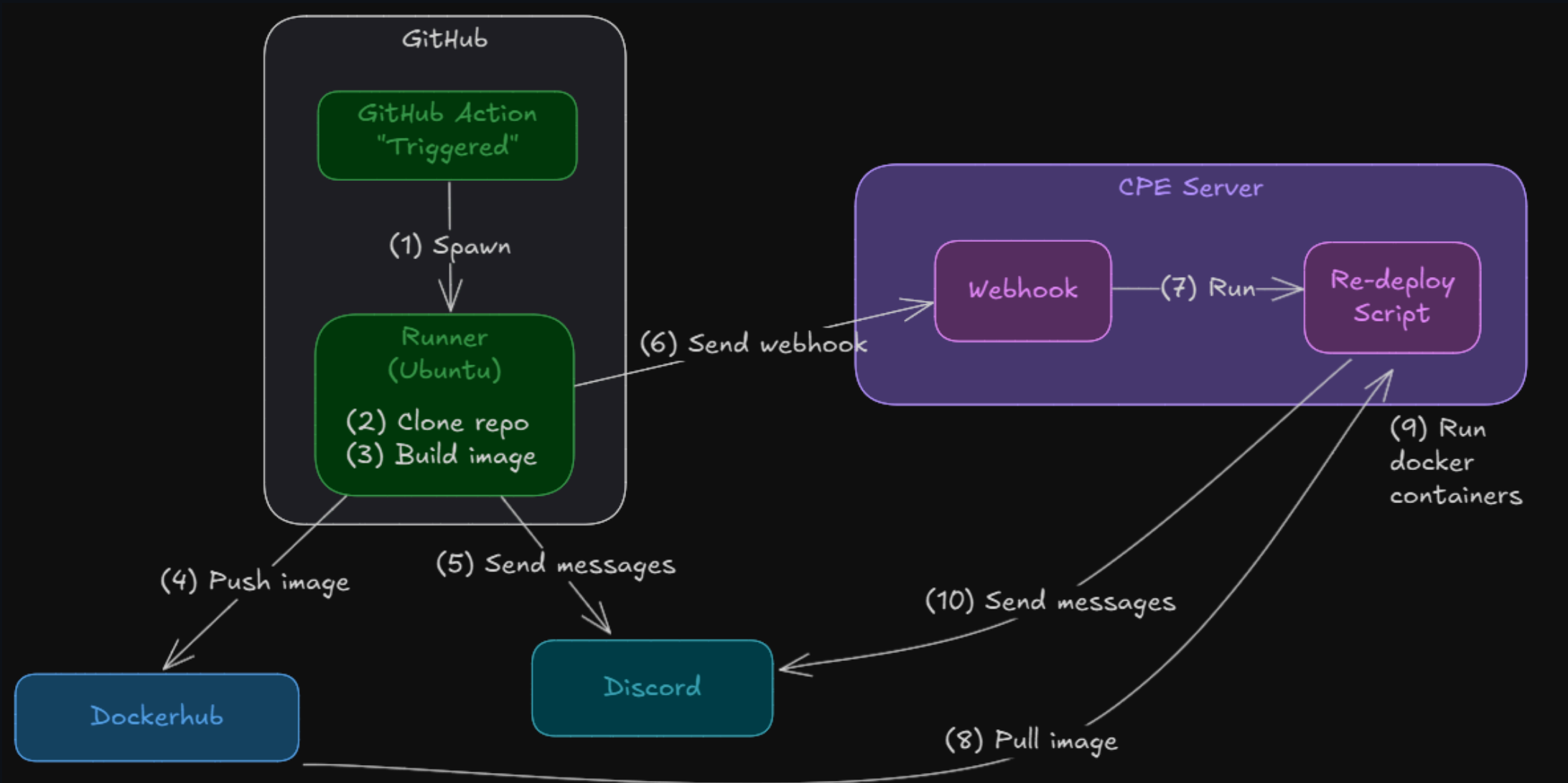
```
{
  "data": {
    "project_group": PROJECT_GROUP,
    "discord_webhook": DISCORD_WEBHOOK",
    "webhook_secret": WEBHOOK_SECRET
  }
}
```

# Test GibHub Action

- Create secret and variables.
- Create test [workflow](#).
- Run test workflow.

# Actual CI/CD

- Use this [workflow](#)





# Behind the Server

- `Webhook` config
- `redploy` script

# Recap

Topic	Stack
Language	TypeScript
DB	PostgreSQL / Drizzle ORM
Backend	Express
Frontend	Reac / Vite
Testing	Cypress
Deployment	Docker / Nginx
CI/CD	GiHub Action

# Congratulations!

| Now go and make awesome apps!