

GitHub Actions

1. First create new repository on github or use exiting repository. I created new instalation for laravel app, and push to github.

Then we are going to create new **github workflow** open you repository and navigate to **actions** and chooes you **workflow** based on application type.

Create workflow.yml file with the folowing content. Ad Commit directly to the **main** branch.

```
name: Laravel

on:
  push:
    branches: [ "main" ]

jobs:
  laravel-tests:
    runs-on: ubuntu-latest

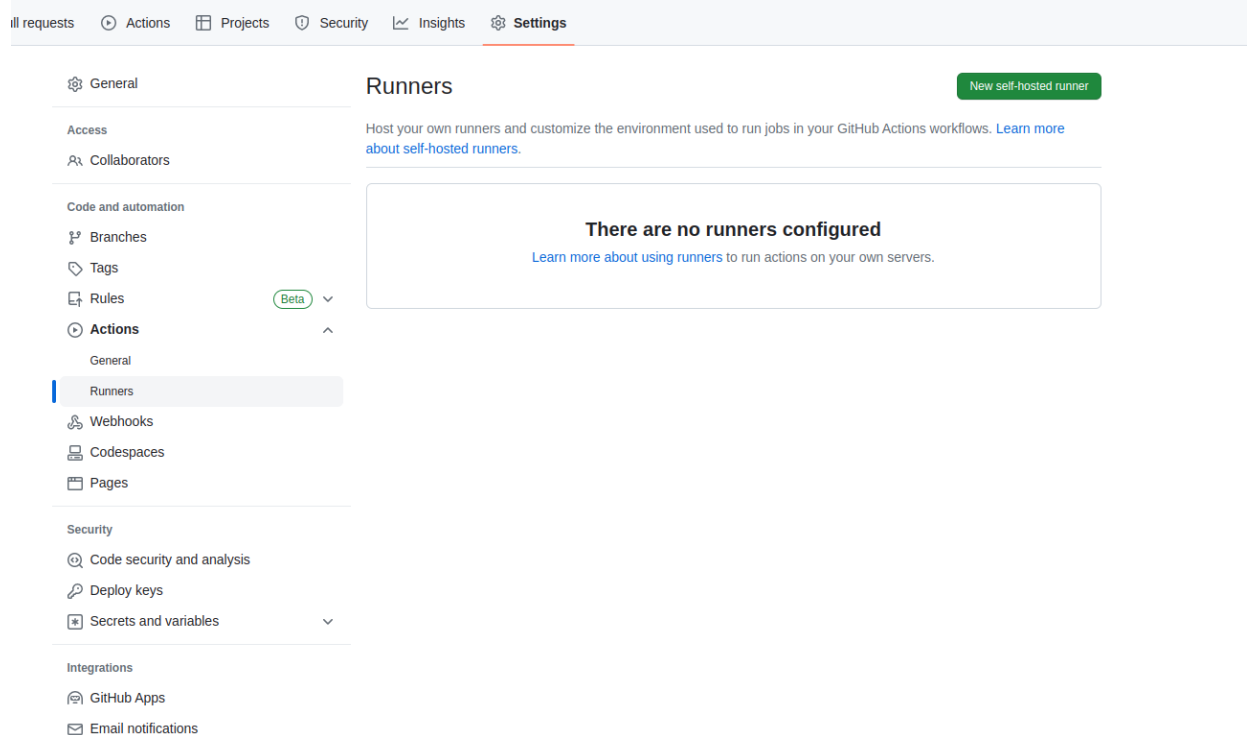
    steps:
      - uses: actions/checkout@v3
      - name: Copy .env
        run: php -r "file_exists('.env') || copy('.env.example', '.env');"
      - name: Install Dependencies
        run: composer install -q --no-ansi --no-interaction --no-scripts --no-progress --prefer-dist
      - name: Generate key
        run: php artisan key:generate
      - name: Directory Permissions
        run: chmod -R 777 storage bootstrap/cache
```

Workflow file for this run

.github/workflows/laravel.yml at 21043f8

```
1  name: Laravel
2
3  on:
4    push:
5      branches: [ "main" ]
6
7  jobs:
8    laravel-tests:
9      runs-on: ubuntu-latest
10
11     steps:
12       - uses: actions/checkout@v3
13       - name: Copy .env
14         run: php -r "file_exists('.env') || copy('.env.example', '.env');"
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18         run: php artisan key:generate
19       - name: Directory Permissions
20         run: chmod -R 777 storage bootstrap/cache
21
22
23
```

2. We have to **Create self-hosted runner** navigate to settings / actions and click Runners from left side menu, and then click on the button **New self-hosted runner** to create runner for the app.



The screenshot shows the GitHub Settings interface. The top navigation bar includes links for all requests, Actions, Projects, Security, Insights, and Settings. The left sidebar lists various settings categories: General, Access, Collaborators, Code and automation (with sub-items like Branches, Tags, Rules, Actions, and Runners), Webhooks, Codespaces, Pages, Security (with sub-items like Code security and analysis, Deploy keys, and Secrets and variables), and Integrations (with sub-items like GitHub Apps and Email notifications). The 'Runners' option under 'Code and automation' is highlighted. The main content area is titled 'Runners' and contains a message: 'There are no runners configured' with a link to 'Learn more about using runners'. A green button labeled 'New self-hosted runner' is located in the top right corner of the Runners section.

Choose your OS and run the following commands on your VPS/localhost to create new runner
! github action

Download

```
# Create a folder
$ mkdir actions-runner && cd actions-runner# Download the latest runner package
$ curl -o actions-runner-linux-x64-2.303.0.tar.gz -L https://github.com/actions/runner/releases/download/v2.903.0/actions-runner-linux-x64-2.303.0.tar.gz# Optional: Validate the hash
$ echo "e4a9fb721c1a156eb5d5333232d0cd62e06bec2fd2b321600e85ac914a9cc73actions-runner-linux-x64-2.303.0.tar.gz" | shasum -a 256 -c# Extract the installer
$ tar xzf ./actions-runner-linux-x64-2.303.0.tar.gz
```

Configure

```
# Create the runner and start the configuration experience
$ ./config.sh --url https://github.com/darevski1/happy_card --token ADT6VXPPE5ASDASDASD3EI6QMU# Last step, run it!
$ ./run.sh
```