

GitHub Actions

Running workflows from you GitHub repositories

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Workflows are custom automated processes that you can set up in your repository to build, test, package, release, or deploy any project on GitHub. With workflows you can automate your software development life cycle with a wide range of tools and services.

- You can create more than one workflow in a repository. You must store workflows in the `.github/workflows` directory in the root of your repository.
- You need to configure workflows using YAML syntax, and save them as workflow files in your repository. Once you've successfully created a YAML workflow file and triggered the workflow, you will see the build logs, tests results, artifacts, and statuses for each step of your workflow.

Workflow syntax for GitHub Actions

Workflow example

```
name: Greet Everyone
# This workflow is triggered on pushes to the repository.
on: [push]

jobs:
  build:
    # Job name is Greeting
    name: Greeting
    # This job runs on Linux
    runs-on: ubuntu-latest
    steps:
      # This step uses GitHub's hello-world-javascript-action:
      - name: Hello world
        uses: actions/hello-world-javascript-action@v1
        with:
```

You can configure a workflow to start once:

- An event on GitHub occurs, such as when someone pushes a commit to a repository or when an issue or pull request is created.
- A scheduled event begins.
- An external event occurs. (Webhooks)

```
# Trigger on push
```

```
on: push
```

```
# Trigger the workflow on push or pull request
```

```
on: [push, pull_request]
```

```
on:  
  schedule:  
    - cron: '0 * * * *'
```

- Windows Server 2019
- Ubuntu 18.04
- macOS Catalina 10.15

`runs-on: ubuntu-latest`

Define your build environment

```
strategy:  
  matrix:  
    node-version: [12.x]
```

- Example

You can use all commands that you can use in a Linux shell

GitHub Marketplace

Use secrets for sensitive configuration data

[Options](#)

[Collaborators](#)

[Branches](#)

[Webhooks](#)

[Notifications](#)

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[Deploy keys](#)

Secrets

[Actions](#)

Moderation

[Interaction limits](#)

Secrets

Secrets are environment variables that are **encrypted** and only exposed to sel **collaborator** access to this repository can use these secrets in a workflow.

Secrets are not passed to workflows that are triggered by a pull request from a

 ACCESS_TOKEN

 GIT_AUTHOR_EMAIL

 GIT_AUTHOR_NAME

[Add a new secret](#)

Thank you...