Consuming GitHub Actions Workflows

Locate a Workflow, It's Logs, and Artifacts

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Module Steps

Creating a workflow to build a deploy code

Break out deployment job into a reusable workflow in a shared repository

Create a starter workflow template for projects teams to use

Course Introduction

Creating a workflow to build a deploy code

Break out deployment job into a reusable workflow in a shared repository

Create a starter workflow template for projects teams to use

Create Source Code and GitHub Repo

Disabling vs Deleting Workflows

Disabling a Workflow

Temporarily stop a workflow from being triggered

Stop consuming workflow minutes

Workflow may be impacted by external services that are down

Scheduled workflows on forked public repos disabled automatically

Downloading Workflow Artifacts

Describe How to Use an Organization’s Templated Workflow

Avoiding Duplication by Using Reusable Workflows

Avoiding Duplication

Reusable Workflows

Composite Actions

Starter Workflows

Reusable Workflow: Called Workflow

```
on:
  workflow_call
```

Reusable Workflow: Called Workflow

SHA, Release Tag or Branch Name

```
jobs:
  call-workflow-1-in-local-repo:
    uses: owner-name/reponame/.github/workflows/workflow-name.yml@172239021f7ba04fe7327647b213799853a9eb89
  call-workflow-2-in-local-repo:
    uses: ./.github/workflows/workflow-name.yml
  call-workflow-in-another-repo:
    uses: owner-name/another-repo/.github/workflows/workflow-name.yml@v1
```

Reusable Workflow: Called Workflow

```
jobs:
  call-workflow-1-in-local-repo:
    uses: owner-name/reponame/.github/workflows/workflow-name.yml@
  call-workflow-2-in-local-repo:
    uses: ./.github/workflows/workflow-name.yml
  call-workflow-in-another-repo:
    uses: owner-name/another-repo/.github/workflows/workflow-name.yml@v1
```

SHA, Release Tag or Branch Name

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Reusable Workflow: Called Workflow

Same repo as caller

```
jobs:
  call-workflow-1-in-local-repo:
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  call-workflow-2-in-local-repo:
    uses: ./.github/workflows/workflow-name.yml
  call-workflow-in-another-repo:
    uses: owner-name/another-repo/.github/workflows/workflow-name.yml@v1
```
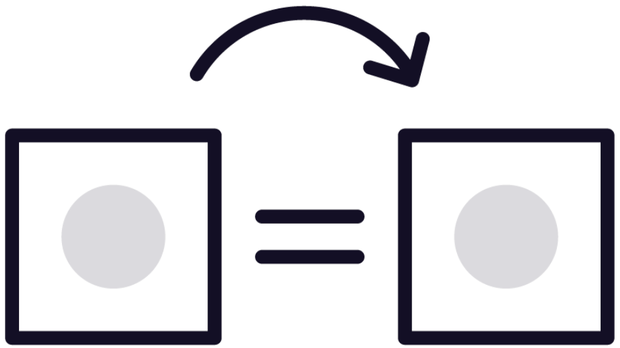

Starter Workflows

Organization Starter Workflows



Workflow Templates

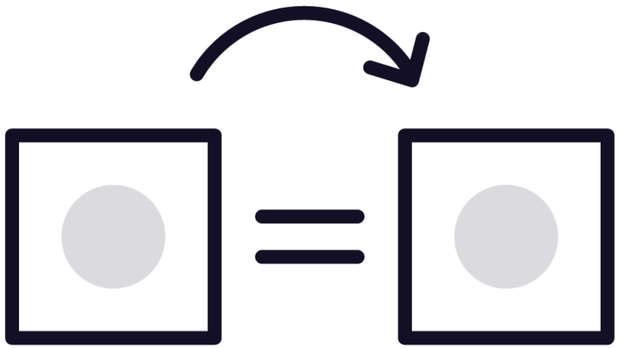
GitHub provided

- Recommended based on repo code
- Deployment (CD)
- Continuous Integration (CI)
- Security (code scanning)

Create for your organization

- Promote consistency and best practice

Organization Starter Workflows



Stored in public .github repository

.github/workflow-tempates

Create in public repositories

Private repositories require GitHub Enterprise Cloud

Up Next:

Interpret the Effects of a Workflow