

GitHub Actions Cheatsheet

Workflow Syntax

name: workflow_name
Define workflow name

on: [push, pull_request]
Specify events that trigger workflow

jobs: job_id: runs-on: ubuntu-latest
Define job and runner

steps: - uses: actions/checkout@v2
Checkout repository code

run: command
Execute shell command

Workflow Commands

::set-output name=key::value
Set output parameter

::add-path::/path/to/dir
Add directory to PATH

::add-mask::value
Mask a value in logs

::error file=file,line=line,col=col::message
Create error annotation

::warning file=file,line=line,col=col::message
Create warning annotation

Environment Variables

\${{ github.event_name }}
Name of the event that triggered workflow

\${{ github.sha }}
Commit SHA

\${{ github.ref }}
Git ref (e.g., refs/heads/main)

\${{ github.repository }}
Repository name with owner

\${{ secrets.SECRET_NAME }}
Access repository secrets

CLI Commands

gh workflow list
List workflows

gh workflow view [workflow]
View workflow details

gh workflow run [workflow]
Run a workflow

gh workflow disable [workflow]
Disable a workflow

gh workflow enable [workflow]
Enable a workflow

Testing Locally

act
Run GitHub Actions locally using nektos/act

act push
Run push event workflows

act pull_request
Run pull request event workflows

act -j job_id
Run specific job