**GitHub Admin Helpful Links**

**GHEC:** <https://docs.github.com/en/github>

**GHES:** <https://docs.github.com/en/enterprise-server/admin/configuration/configuring-your-enterprise/about-enterprise-configuration>

**GHAE:** <https://docs.github.com/en/github-ae@latest/admin/overview/about-github-ae>

**Enterprise, org, personal accounts and repos:** <https://docs.github.com/en/get-started/learning-about-github/access-permissions-on-github>

**Org permissions:** <https://docs.github.com/en/organizations/managing-peoples-access-to-your-organization-with-roles/permission-levels-for-an-organization>

**Roles in teams:** <https://docs.github.com/en/organizations/managing-peoples-access-to-your-organization-with-roles/giving-team-maintainer-permissions-to-an-organization-member>

<https://docs.github.com/en/github/administering-a-repository/managing-repository-settings/setting-repository-visibility>

<https://docs.github.com/en/organizations/managing-access-to-your-organizations-repositories/repository-permission-levels-for-an-organization#repository-access-for-each-permission-level%5C>

<https://docs.github.com/en/github/administering-a-repository/managing-repository-settings/managing-teams-and-people-with-access-to-your-repository>

<https://docs.github.com/en/billing/managing-billing-for-github-actions/about-billing-for-github-actions#per-minute-rates>

<https://github.com/orgs/github/projects/4247/views/1>

<https://github.blog/>

<https://github.blog/changelog>

<https://github.com/github/safe-settings>

<https://opensource.guide/>

<https://octokit.github.io/rest.js/v18>

**REST API:**

<https://docs.github.com/en/rest/overview/resources-in-the-rest-api#root-endpoint>

**GraphQL API:**

<https://docs.github.com/en/graphql/guides/forming-calls-with-graphql#the-graphql-endpoint>

**Tokens:**

- <https://github.blog/changelog/2021-03-31-authentication-token-format-updates-are-generally-available/>

- <https://github.blog/2021-04-05-behind-githubs-new-authentication-token-formats/>

**Personal Access Token (PAT):**

- <https://docs.github.com/en/github/authenticating-to-github/creating-a-personal-access-token>

- <https://docs.github.com/en/developers/apps/scopes-for-oauth-apps>

**OAuth:**

- <https://docs.github.com/en/developers/apps/creating-an-oauth-app>

- <https://docs.github.com/en/developers/apps/authorizing-oauth-apps>

**GitHub Actions:**

- <https://docs.github.com/en/developers/apps/differences-between-github-apps-and-oauth-apps>

- <https://docs.github.com/en/actions/reference/authentication-in-a-workflow>

- <https://docs.github.com/en/actions/learn-github-actions/security-hardening-for-github-actions#considering-cross-repository-access>

- <https://docs.github.com/en/developers/apps/identifying-and-authorizing-users-for-github-apps>

**GitHub Apps:**

- <https://docs.github.com/en/developers/apps/creating-a-github-app>

- <https://docs.github.com/en/developers/apps/authenticating-with-github-apps>

- <https://docs.github.com/en/rest/reference/apps#create-an-installation-access-token-for-an-app>

- <https://github.com/marketplace/actions/action-github-app-token>

**GitHub Docs - Enforcing Actions policies in your enterprise:**

<https://docs.github.com/en/github/setting-up-and-managing-your-enterprise/setting-policies-for-organizations-in-your-enterprise-account/enforcing-github-actions-policies-in-your-enterprise-account>

**GitHub Docs - Enforcing Actions policies in your organizations:**

<https://docs.github.com/en/organizations/managing-organization-settings/disabling-or-limiting-github-actions-for-your-organization>

**GitHub Docs - Enforcing Actions policies in your repositories:**

<https://docs.github.com/en/github/administering-a-repository/managing-repository-settings/disabling-or-limiting-github-actions-for-a-repository>

**Shared workflows docs:**

<https://docs.github.com/en/actions/learn-github-actions/sharing-workflows-with-your-organization>

<https://cli.github.com/>

<https://desktop.github.com/>

<https://skills.github.com/>

<https://github.blog/2022-06-09-introducing-entitlements-githubs-open-source-identity-and-access-management-solution/>

<https://docs.github.com/en/repositories/managing-your-repositorys-settings-and-features/customizing-your-repository/about-code-owners>

<https://git-scm.com/docs/git-rebase>

<http://git-school.github.io/visualizing-git/>

<https://learn.microsoft.com/en-us/users/githubtraining/collections/mom7u1gzjdxw03>

<https://learn.microsoft.com/en-us/users/githubtraining/collections/n5p4a5z7keznp5>

<https://learn.microsoft.com/en-us/users/githubtraining/collections/rqymc6yw8q5rey>

**GitHub Developer**

<https://githubtraining.github.io/training-manual/#/01_getting_ready_for_class>

**Actions**

GitHub Actions workflow syntax: <https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions>

**GitHub Docs - Workflow syntax for events:**

<https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions#on>

GitHub Docs - Webhook events: [https://docs.github.com/en/actions/reference/events-that-trigger-workflows#webhook-events](https://docs.github.com/en/actions/reference/events-that-trigger-workflows" \l "webhook-events)

GitHub Docs - Webhook event payloads: <https://docs.github.com/en/developers/webhooks-and-events/webhooks/webhook-events-and-payloads>

See this page to get familiar with the cron syntax: <https://crontab.guru/>

GitHub Docs - Workflow syntax for scheduled events:

<https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions#onschedule>

GitHub Docs - Scheduled events: <https://docs.github.com/en/actions/reference/events-that-trigger-workflows#schedule>

workflow\_dispatch

Trigger a workflow via the GUI, the GitHub API, and/or the GitHub CLI, see

<https://docs.github.com/en/actions/managing-workflow-runs/manually-running-a-workflow>

You can define a set of input parameters that can be accessed by the workflow, see

<https://docs.github.com/en/actions/reference/events-that-trigger-workflows#workflow_dispatch>

Use this event to trigger a specific workflow. To trigger multiple workflows manually, see repository\_dispatch

repository\_dispatch

Trigger a workflow, or multiple workflows in a repository, using the GitHub API

You can define a custom API payload that can be accessed by the workflow, see

<https://docs.github.com/en/rest/reference/repos#create-a-repository-dispatch-event>

GitHub Docs - Manual events: <https://docs.github.com/en/actions/reference/events-that-trigger-workflows#manual-events>

GitHub Docs - workflow\_dispatch API: <https://docs.github.com/en/rest/reference/actions#create-a-workflow-dispatch-event>

GitHub CLI - trigger a workflow\_dispatch event: <https://cli.github.com/manual/gh_workflow_run>

GitHub Docs - Workflow syntax for runners: <https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions#jobsjob_idruns-on>

GitHub Docs - Using GitHub-hosted runners: <https://docs.github.com/en/actions/using-github-hosted-runners>

GitHub Docs - Using self-hosted runners: <https://docs.github.com/en/actions/hosting-your-own-runners>

**GitHub Hosted Runners:**

The IP addresses change frequently, for a list of (current) IPs, see [https://api.github.com/meta (see “actions” key)](https://api.github.com/meta%20(see%20“actions”%20key))

GitHub Docs - About GitHub-hosted runners: <https://docs.github.com/en/actions/using-github-hosted-runners/about-github-hosted-runners>

GitHub Docs - Customizing GitHub-hosted runners: <https://docs.github.com/en/actions/using-github-hosted-runners/customizing-github-hosted-runners>

List of pre-installed software on GitHub-hosted runners: <https://github.com/actions/virtual-environments>

GitHub Docs - Billing for GitHub Actions: <https://docs.github.com/en/billing/managing-billing-for-github-actions/about-billing-for-github-actions>

GitHub Docs - Usage limits for GitHub-hosted runners: <https://docs.github.com/en/actions/reference/usage-limits-billing-and-administration#usage-limits>

GitHub Docs - About self-hosted runners: <https://docs.github.com/en/actions/hosting-your-own-runners/about-self-hosted-runners>

GitHub Docs - Self-hosted runners usage limits: <https://docs.github.com/en/actions/reference/usage-limits-billing-and-administration#usage-limits>

GitHub Docs - Adding self-hosted runners: <https://docs.github.com/en/actions/hosting-your-own-runners/adding-self-hosted-runners>

GitHub Docs - Using a proxy with self-hosted runners: <https://docs.github.com/en/actions/hosting-your-own-runners/using-a-proxy-server-with-self-hosted-runners>

GitHub Docs - Using self-hosted runners in a workflow: <https://docs.github.com/en/actions/hosting-your-own-runners/using-self-hosted-runners-in-a-workflow>

GitHub Docs - Manage access to runners using groups: <https://docs.github.com/en/actions/hosting-your-own-runners/managing-access-to-self-hosted-runners-using-groups>

**GitHub Docs - Workflow syntax for steps:** <https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions#jobsjob_idsteps>

GitHub Docs - Essential features of GitHub Actions: <https://docs.github.com/en/actions/learn-github-actions/essential-features-of-github-actions>

Example permissions syntax: <https://github.blog/changelog/2021-04-20-github-actions-control-permissions-for-github_token/>

Workflow syntax: <https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions>

Functions: <https://docs.github.com/en/actions/reference/context-and-expression-syntax-for-github-actions#format>

Environment docs - <https://docs.github.com/en/actions/reference/environments>

Workflow syntax - <https://docs.github.com/en/actions/reference/workflow-syntax-for-github-actions#jobsjob_idenvironment>

GitHub Docs - Deployment API: <https://developer.github.com/v3/repos/deployments/>

GitHub Docs - Secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets>

Environment secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets#creating-encrypted-secrets-for-an-environment>

Repository secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets#creating-encrypted-secrets-for-a-repository>

Organization secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets#creating-encrypted-secrets-for-an-organization>

GitHub Docs - Secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets>

Environment secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets#creating-encrypted-secrets-for-an-environment>

Repository secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets#creating-encrypted-secrets-for-a-repository>

Organization secrets: <https://docs.github.com/en/actions/reference/encrypted-secrets#creating-encrypted-secrets-for-an-organization>

GITHUB\_TOKEN: <https://docs.github.com/en/actions/reference/authentication-in-a-workflow>

GitHub Docs - Caching dependencies to speed up workflows:

<https://docs.github.com/en/actions/guides/caching-dependencies-to-speed-up-workflows>

GitHub Action - actions/cache: <https://github.com/actions/cache>

Creating Actions: <https://docs.github.com/en/actions/creating-actions>

Metadata syntax: <https://docs.github.com/en/actions/creating-actions/metadata-syntax-for-github-actions>

JavaScript/Typescript Actions: <https://docs.github.com/en/actions/creating-actions/creating-a-javascript-action>

<https://github.com/ActionsDesk/ps-typescript-template>

Docker Action: <https://docs.github.com/en/actions/creating-actions/creating-a-docker-container-action>

Composite run step: <https://docs.github.com/en/actions/creating-actions/creating-a-composite-run-steps-action>

REST libraries: <https://docs.github.com/en/rest/overview/libraries>

GraphQL API: <https://docs.github.com/en/graphql>

JS Octokit documentation: <https://octokit.github.io/rest.js/v18>

GitHub-hosted runners docs: <https://docs.github.com/en/actions/using-github-hosted-runners>

GitHub-hosted runner virtual environments: https://github.com/actions/virtual-environments

Self-hosted runner docs: <https://docs.github.com/en/actions/hosting-your-own-runners>

<https://github.com/github/super-linter>