Context Overview

Context Name	Description
github	Information about the workflow run
env	Environment variables set in a workflow, job, or step
job	Information about the currently executing job
steps	Information about the steps that have been run in this job
runner	Information about the runner that is running the current job
secrets	Enables access to secrets
strategy	Enables access to the configured strategy parameters and information about the current job. Strategy parameters include fail-fast, job-index, job-total, and max-parallel
matrix	Enables access to the matrix parameters you configured for the current job. For example, if you configure a matrix build with the os and node versions, the matrix context object includes the os and node versions of the current job

Context Overview (cont)

needs	Enables access to the outputs of all jobs that are defined as a dependency of the current job
inputs	Enables access to the inputs of reusable workflow

Taken from htttps://docs.github.com/en/actions/learn-github-actions/contexts

Access context information

Index syntax:	Example: github['sha']
Property dereference syntax:	Example: github.sha

Note that in order to use property dereference syntax, property name must:	--> Start with `a-Z` or `_`	--> Be followed by `a-Z`, `0-9` or `_`

Taken from https://docs.github.com/en/actions/learn-github-actions/contexts

Default Environment Variables

Environment Variable	Description
CI	Always `true`
GITHUB _WO RKFL OW	Name of the workflow

Default Environment Variables (cont)

GITHUB _RUN_ID	Unique number for each run within a repository. This number does not change if you re-run the workflow run.
GITHUB _RU N_N UMB ER	Unique number for each run of a particular workflow in a repository. This number begins at 1 for the workflow's first run, and increments with each new run. This number does not change if you re-run the workflow run.
GITHUB JOB	The job_id of the current job
GITHUB _ACTION	Unique identifier (id) of the action

Default Environment Variables (cont)

GITHUB _AC TIONS	Always set to `true` when GitHub Actions is running the workflow. You can use this variable to differentiate when tests are being run locally or by GitHub Actions
GITHUB _ACTOR	The name of the person or app that initiated the workflow
GITHUB _RE POS IT ORY	The owner and repository name
GITHUB _EV ENT _N AME	The name of the webhook event that triggered the workflow
GITHUB _EV ENT _P ATH	The path of the file with the complete webhook event payload

`GITHUB_ACTION_PATH`	The path where your action is located. You can use this path to access files located in the same repository as your action. This variable is only supported in composite actions
`GITHUB_WORKSPACE`	The GitHub workspace directory path, initially empty. For example /home/-runner/work/my-repo-n-ame/my-repo--name. The actions/checkout action will check out files, by default a copy of your repository within this directory
`GITHUB_SHA`	The commit SHA that triggered the workflow

Default Environment Variables (cont)	
`GITHUB_REF`	The branch or tag ref that triggered the workflow. For example, refs/heads/feature-branch-1. If neither a branch or tag is available for the event type, the variable will not exist
`GITHUB_REF_NAME`	The branch or tag name that triggered the workflow run
`GITHUB_REF_PROTECTED`	`true` if branch protections are configured for the ref that triggered the workflow run
`GITHUB_REF_TYPE`	The type of ref that triggered the workflow run. Valid values are `branch` or `tag`
`GITHUB_HEAD_REF`	Only set for pull request events. The name of the head branch
`GITHUB_BASE_REF`	Only set for pull request events. The name of the base branch
`GITHUB_SERVER_URL`	Returns the URL of the GitHub server. For example: `https://github.com`
`GITHUB_API_URL`	Returns the API URL. For example: `https://api.github.com`

Default Environment Variables (cont)	
`GITHUB_GRAPHQL_URL`	Returns the GraphQL API URL. For example: `https://api.github.com/graphql`
`RUNNER_NAME`	The name of the runner executing the job
`RUNNER_OS`	The operating system of the runner executing the job. Possible values are `Linux`, `Windows`, or `macOS`
`RUNNER_ARCH`	The architecture of the runner executing the job. Possible values are `X86`, `X64`, `ARM`, and `ARM64`
`RUNNER_TEMP`	The path to a temporary directory on the runner. This directory is emptied at the beginning and end of each job. Note that files will not be removed if the runner's user account does not have permission to delete them.
`RUNNER_TOOL_CACHE`	The path to the directory containing preinstalled tools for GitHub-hosted runners