

Predefined variables reference

Predefined [CI/CD variables](#) are available in every GitLab CI/CD pipeline.

Some variables are only available with more recent versions of [GitLab Runner](#).

You can **output the values of all variables available for a job** with a `script` command.

There are also a number of [variables you can use to configure runner behavior](#) globally or for individual jobs.

You should avoid **overriding** predefined variables, as it can cause the pipeline to behave unexpectedly.

[illegible]

CI_COMMIT_TITLE	all	The title of the commit. The full first line of the message.
CI_CONCURRENT_ID	11.10	The unique ID of build execution in a single executor.
CI_CONCURRENT_PROJECT_ID	11.10	The unique ID of build execution in a single executor and project.
CI_CONFIG_PATH	0.5	The path to the CI/CD configuration file. Defaults to <code>.gitlab-ci.yml</code> . Read-only inside a running pipeline.
CI_DEBUG_TRACE	1.7	<code>true</code> if debug logging (tracing) is enabled.
CI_DEFAULT_BRANCH	all	The name of the project's default branch.
CI_DEPENDENCY_PROXY_GROUP_IMAGE_PREFIX	all	The top-level group image prefix for pulling images through the Dependency Proxy.
CI_DEPENDENCY_PROXY_DIRECT_GROUP_IMAGE_PREFIX	all	The direct group image prefix for pulling images through the Dependency Proxy.
CI_DEPENDENCY_PROXY_PASSWORD	all	The password to pull images through the Dependency Proxy.
CI_DEPENDENCY_PROXY_SERVER	all	The server for logging in to the Dependency Proxy. This is equivalent to <code>\$CI_SERVER_HOST:\$CI_SERVER_PORT</code> .
CI_DEPENDENCY_PROXY_USER	all	The username to pull images through the Dependency Proxy.
CI_DEPLOY_FREEZE	all	Only available if the pipeline runs during a deploy freeze window . <code>true</code> when available.
CI_DEPLOY_PASSWORD	all	The authentication password of the GitLab Deploy Token , if the project has one.
CI_DEPLOY_USER	all	The authentication username of the GitLab Deploy Token , if the project has one.
CI_DISPOSABLE_ENVIRONMENT	10.1	Only available if the job is executed in a disposable environment (something that is created only for this job and disposed of /destroyed after the execution - all executors except <code>shell</code> and <code>ssh</code>). <code>true</code> when available.
CI_ENVIRONMENT_NAME	all	The name of the environment for this job. Available if <code>environment:name</code> is set.
CI_ENVIRONMENT_SLUG	all	The simplified version of the environment name, suitable for inclusion in DNS, URLs, Kubernetes labels, and so on. Available if <code>environment:name</code> is set. The slug is truncated to 24 characters .
CI_ENVIRONMENT_URL	all	The URL of the environment for this job. Available if <code>environment:url</code> is set.
CI_ENVIRONMENT_ACTION	all	The action annotation specified for this job's environment. Available if <code>environment:action</code> is set. Can be <code>start</code> , <code>prepare</code> , or <code>stop</code> .
CI_ENVIRONMENT_TIER	all	The deployment tier of the environment for this job.
CI_GITLAB_FIPS_MODE	all	The configuration setting for whether FIPS mode is enabled in the GitLab instance.

CI_HAS_OPEN_REQUIREMENTS	all	Only available if the pipeline's project has an open requirement . <code>true</code> when available.
CI_JOB_ID	all	The internal ID of the job, unique across all jobs in the GitLab instance.
CI_JOB_IMAGE	12.9	The name of the Docker image running the job.
CI_JOB_JWT	all	A RS256 JSON web token to authenticate with third party systems that support JWT authentication, for example HashiCorp's Vault .
CI_JOB_JWT_V1	all	The same value as <code>CI_JOB_JWT</code> .
CI_JOB_JWT_V2	all	alpha: A newly formatted RS256 JSON web token to increase compatibility. Similar to <code>CI_JOB_JWT</code> , except the issuer (<code>iss</code>) claim is changed from <code>gitlab.com</code> to <code>https://gitlab.com</code> , <code>sub</code> has changed from <code>job_id</code> to a string that contains the project path, and an <code>aud</code> claim is added. Format is subject to change. Be aware, the <code>aud</code> field is a constant value. Trusting JWTs in multiple relying parties can lead to one RP sending a JWT to another one and acting maliciously as a job .
CI_JOB_MANUAL	all	<code>true</code> if a job was started manually.
CI_JOB_NAME	0.5	The name of the job.
CI_JOB_STAGE	0.5	The name of the job's stage.
CI_JOB_STATUS	13.5	The status of the job as each runner stage is executed. Use with <code>after_script</code> . Can be <code>success</code> , <code>failed</code> , or <code>canceled</code> .
CI_JOB_TOKEN	1.2	A token to authenticate with certain API endpoints . The token is valid as long as the job is running.
CI_JOB_URL	0.5	The job details URL.
CI_JOB_STARTED_AT	all	The UTC datetime when a job started, in ISO 8601 format.
CI_KUBERNETES_ACTIVE	all	Only available if the pipeline has a Kubernetes cluster available for deployments. <code>true</code> when available.
CI_NODE_INDEX	all	The index of the job in the job set. Only available if the job uses <code>parallel</code> .
CI_NODE_TOTAL	all	The total number of instances of this job running in <code>parallel</code> . Set to <code>1</code> if the job does not use <code>parallel</code> .
CI_OPEN_MERGE_REQUESTS	all	A comma-separated list of up to four merge requests that use the current branch and project as the merge request source. Only available in branch and merge request pipelines if the branch has an associated merge request. For example, <code>gitlab-org/gitlab!333,gitlab-org/gitlab-foss!11</code> .
CI_PAGES_DOMAIN	all	The configured domain that hosts GitLab Pages.
CI_PAGES_URL	all	The URL for a GitLab Pages site. Always a subdomain of <code>CI_PAGES_DOMAIN</code> .

CI_PIPELINE_ID	all	The instance-level ID of the current pipeline. This ID is unique across all projects on the GitLab instance.
CI_PIPELINE_IID	all	The project-level IID (internal ID) of the current pipeline. This ID is unique only within the current project.
CI_PIPELINE_SOURCE	all	How the pipeline was triggered. Can be push, web, schedule, api, external, chat, web ide, merge_request_event, external_pull_request_event, parent_pipeline, trigger, or pipeline. For a description of each value, see Common if clauses for rules , which uses this variable to control when jobs run.
CI_PIPELINE_TRIGGERED	all	true if the job was triggered .
CI_PIPELINE_URL	0.5	The URL for the pipeline details.
CI_PIPELINE_CREATED_AT	all	The UTC datetime when the pipeline was created, in ISO 8601 format.
CI_PROJECT_CONFIG_PATH	all	Removed in GitLab 14.0. Use CI_CONFIG_PATH.
CI_PROJECT_DIR	all	The full path the repository is cloned to, and where the job runs from. If the GitLab Runner builds_dir parameter is set, this variable is set relative to the value of builds_dir. For more information, see the Advanced GitLab Runner configuration .
CI_PROJECT_ID	all	The ID of the current project. This ID is unique across all projects on the GitLab instance.
CI_PROJECT_NAME	0.5	The name of the directory for the project. For example if the project URL is gitlab.example.com/group-name/project-1, CI_PROJECT_NAME is project-1.
CI_PROJECT_NAMESPACE	0.5	The project namespace (username or group name) of the job.
CI_PROJECT_PATH_SLUG	all	\$CI_PROJECT_PATH in lowercase with characters that are not a-z or 0-9 replaced with - and shortened to 63 bytes. Use in URLs and domain names.
CI_PROJECT_PATH	0.5	The project namespace with the project name included.
CI_PROJECT_REPOSITORY_LANGUAGES	all	A comma-separated, lowercase list of the languages used in the repository. For example ruby, javascript, html, css. The maximum number of languages is limited to 5. An issue proposes to increase the limit .
CI_PROJECT_ROOT_NAMESPACE	0.5	The root project namespace (username or group name) of the job. For example, if CI_PROJECT_NAMESPACE is root-group/child-group/grandchild-group, CI_PROJECT_ROOT_NAMESPACE is root-group.
CI_PROJECT_TITLE	all	The human-readable project name as displayed in the GitLab web interface.

CI_PROJECT_DESCRIPTION	all	The project description as displayed in the GitLab web interface.
CI_PROJECT_URL	0.5	The HTTP(S) address of the project.
CI_PROJECT_VISIBILITY	all	The project visibility. Can be internal, private, or public.
CI_PROJECT_CLASSIFICATION_LABEL	all	The project external authorization classification label .
CI_REGISTRY_IMAGE	0.5	The address of the project's Container Registry. Only available if the Container Registry is enabled for the project.
CI_REGISTRY_PASSWORD	all	The password to push containers to the project's GitLab Container Registry. Only available if the Container Registry is enabled for the project. This password value is the same as the CI_JOB_TOKEN and is valid only as long as the job is running. Use the CI_DEPLOY_PASSWORD for long-lived access to the registry
CI_REGISTRY_USER	all	The username to push containers to the project's GitLab Container Registry. Only available if the Container Registry is enabled for the project.
CI_REGISTRY	0.5	The address of the GitLab Container Registry. Only available if the Container Registry is enabled for the project. This variable includes a :port value if one is specified in the registry configuration.
CI_REPOSITORY_URL	all	The URL to clone the Git repository.
CI_RUNNER_DESCRIPTION	0.5	The description of the runner.
CI_RUNNER_EXECUTABLE_ARCH	10.6	The OS/architecture of the GitLab Runner executable. Might not be the same as the environment of the executor.
CI_RUNNER_ID	0.5	The unique ID of the runner being used.
CI_RUNNER_REVISION	10.6	The revision of the runner running the job.
CI_RUNNER_SHORT_TOKEN	12.3	The runner's unique ID, used to authenticate new job requests. In GitLab 14.9 and later, the token contains a prefix, and the first 17 characters are used. Prior to 14.9, the first eight characters are used.
CI_RUNNER_TAGS	0.5	A comma-separated list of the runner tags.
CI_RUNNER_VERSION	10.6	The version of the GitLab Runner running the job.
CI_SERVER_HOST	all	The host of the GitLab instance URL, without protocol or port. For example gitlab.example.com.
CI_SERVER_NAME	all	The name of CI/CD server that coordinates jobs.
CI_SERVER_PORT	all	The port of the GitLab instance URL, without host or protocol. For example 8080.
CI_SERVER_PROTOCOL	all	The protocol of the GitLab instance URL, without host or port. For example https.
CI_SERVER_REVISION	all	GitLab revision that schedules jobs.

CI_SERVER_URL	all	The base URL of the GitLab instance, including protocol and port. For example <code>https://gitlab.example.com:8080</code> .
CI_SERVER_VERSION_MAJOR	all	The major version of the GitLab instance. For example, if the GitLab version is 13.6.1, the <code>CI_SERVER_VERSION_MAJOR</code> is 13.
CI_SERVER_VERSION_MINOR	all	The minor version of the GitLab instance. For example, if the GitLab version is 13.6.1, the <code>CI_SERVER_VERSION_MINOR</code> is 6.
CI_SERVER_VERSION_PATCH	all	The patch version of the GitLab instance. For example, if the GitLab version is 13.6.1, the <code>CI_SERVER_VERSION_PATCH</code> is 1.
CI_SERVER_VERSION	all	The full version of the GitLab instance.
CI_SERVER	all	Available for all jobs executed in CI/CD. <code>yes</code> when available.
CI_SHARED_ENVIRONMENT	10.1	Only available if the job is executed in a shared environment (something that is persisted across CI/CD invocations, like the <code>shell</code> or <code>ssh</code> executor). <code>true</code> when available.
CI_TEMPLATE_REGISTRY_HOST	all	The host of the registry used by CI/CD templates. Defaults to <code>registry.gitlab.com</code> .
GITLAB_CI	all	Available for all jobs executed in CI/CD. <code>true</code> when available.
GITLAB_FEATURES	all	The comma-separated list of licensed features available for the GitLab instance and license.
GITLAB_USER_EMAIL	all	The email of the user who started the job.
GITLAB_USER_ID	all	The ID of the user who started the job.
GITLAB_USER_LOGIN	all	The username of the user who started the job.
GITLAB_USER_NAME	all	The name of the user who started the job.
TRIGGER_PAYLOAD	all	The webhook payload. Only available when a pipeline is triggered with a webhook .

Predefined variables for merge request pipelines

These variables are available when:

- The pipelines [are merge request pipelines](#).
- The merge request is open.

Variable	Runner	Description
CI_MERGE_REQUEST_APPROVED	all	Approval status of the merge request. <code>true</code> when merge request approvals is available and the merge request has been approved.
CI_MERGE_REQUEST_ASSIGNEES	all	Comma-separated list of usernames of assignees for the merge request.
CI_MERGE_REQUEST_ID	all	The instance-level ID of the merge request. This is a unique ID across all projects on GitLab.

CI_MERGE_REQUEST_IID	all	The project-level IID (internal ID) of the merge request. This ID is unique for the current project.
CI_MERGE_REQUEST_LABELS	all	Comma-separated label names of the merge request.
CI_MERGE_REQUEST_MILESTONE	all	The milestone title of the merge request.
CI_MERGE_REQUEST_PROJECT_ID	all	The ID of the project of the merge request.
CI_MERGE_REQUEST_PROJECT_PATH	all	The path of the project of the merge request. For example <code>namespace/awesome-project</code> .
CI_MERGE_REQUEST_PROJECT_URL	all	The URL of the project of the merge request. For example, <code>http://192.168.10.15:3000/namespace/awesome-project</code> .
CI_MERGE_REQUEST_REF_PATH	all	The ref path of the merge request. For example, <code>refs/merge-requests/1/head</code> .
CI_MERGE_REQUEST_SOURCE_BRANCH_NAME	all	The source branch name of the merge request.
CI_MERGE_REQUEST_SOURCE_BRANCH_SHA	all	The HEAD SHA of the source branch of the merge request. The variable is empty in merge request pipelines. The SHA is present only in merged results pipelines .
CI_MERGE_REQUEST_SOURCE_PROJECT_ID	all	The ID of the source project of the merge request.
CI_MERGE_REQUEST_SOURCE_PROJECT_PATH	all	The path of the source project of the merge request.
CI_MERGE_REQUEST_SOURCE_PROJECT_URL	all	The URL of the source project of the merge request.
CI_MERGE_REQUEST_TARGET_BRANCH_NAME	all	The target branch name of the merge request.
CI_MERGE_REQUEST_TARGET_BRANCH_PROTECTED	all	The protection status for the target branch of the merge request.
CI_MERGE_REQUEST_TARGET_BRANCH_SHA	all	The HEAD SHA of the target branch of the merge request. The variable is empty in merge request pipelines. The SHA is present only in merged results pipelines .
CI_MERGE_REQUEST_TITLE	all	The title of the merge request.
CI_MERGE_REQUEST_EVENT_TYPE	all	The event type of the merge request. Can be <code>detached</code> , <code>merged_result</code> or <code>merge_train</code> .
CI_MERGE_REQUEST_DIFF_ID	all	The version of the merge request diff.
CI_MERGE_REQUEST_DIFF_BASE_SHA	all	The base SHA of the merge request diff.

Predefined variables for external pull request pipelines

These variables are only available when:

- The pipelines are [external pull requests pipelines](#)
- The pull request is open.

Variable	Runner	Description
CI_EXTERNAL_PULL_REQUEST_IID	all	Pull request ID from GitHub.

CI_EXTERNAL_PULL_REQUEST_SOURCE_REPOSITORY	all	The source repository name of the pull request.
CI_EXTERNAL_PULL_REQUEST_TARGET_REPOSITORY	all	The target repository name of the pull request.
CI_EXTERNAL_PULL_REQUEST_SOURCE_BRANCH_NAME	all	The source branch name of the pull request.
CI_EXTERNAL_PULL_REQUEST_SOURCE_BRANCH_SHA	all	The HEAD SHA of the source branch of the pull request.
CI_EXTERNAL_PULL_REQUEST_TARGET_BRANCH_NAME	all	The target branch name of the pull request.
CI_EXTERNAL_PULL_REQUEST_TARGET_BRANCH_SHA	all	The HEAD SHA of the target branch of the pull request.