GitLab - CI/CD Variables

The following table shows list of GitLab CI/CD variables.

S.No.	Variable	GitLab	Runner	Description
1	CI	all	0.4	Specifies that job is accomplished in CI environment.
2	CI_COMMIT_REF_NAME	9.0	all	Defines the branch or tag name for project build.
3	CI_COMMIT_REF_SLUG	9.0	all	It uses the lowercased $CI_COMMIT_REF_NAME variable which is reduced to 63 bytes, and only 0-9 and a-z replaced with -.
4	CI_COMMIT_SHA	9.0	all	Specifies the commit revision for built project.
5	CI_COMMIT_TAG	9.0	0.5	It commits the tag name
6	CI_CONFIG_PATH	9.4	0.5	Specifies the path to CI config file. (The default path is .gitlab-ci.yml).
7	CI_DEBUG_TRACE	all	1.7	It enables the debug tracing.
8	CI_ENVIRONMENT_NAME	8.15	all	Defines the environment name for the job.
9	CI_ENVIRONMENT_SLUG	8.15	all	It is a environment name, suitable for DNS, URLs, Kubernetes labels, etc.
10	CI_ENVIRONMENT_URL	9.3	all	Defines the environment URL for the job.
11	CI_JOB_ID	9.0	all	Represents the unique id of the current job for GitLab CI.
12	CI_JOB_MANUAL	8.12	all	It specifies that job has been started manually.
13	CI_JOB_NAME	9.0	0.5	The job name is defined in the .gitlab-ci.yml file.
14	CI_JOB_STAGE	9.0	0.5	The stage name is defined in the .gitlab-ci.yml file.
15	CI_JOB_TOKEN	9.0	1.2	This token is used for authenticating with the GitLab Container Registry and multi-project pipelines when triggers are involved.
16	CI_REPOSITORY_URL	9.0	all	It specifies the URL to clone the Git repository.
17	CI_RUNNER_DESCRIPTION	8.10	0.5	It specifies the description for the runner.
18	CI_RUNNER_ID	8.10	0.5	It provides the unique id for runner being used.
19	CI_RUNNER_TAGS	8.10	0.5	It defines the runner tags.

20	CI_RUNNER_VERSION	all	10.6	It specifies the GitLab runner version of the current job.
21	CI_RUNNER_REVISION	all	10.6	It specifies the GitLab revision of the current job.
22	CI_PIPELINE_ID	8.10	0.5	It provides the unique id of the current pipeline.
23	CI_PIPELINE_SOURCE	9.3	all	It specifies how the pipeline was triggered by using some options such as push, web, trigger, schedule, api, pipeline.
24	CI_PIPELINE_TRIGGERED	all	all	It specifies that job was triggered.
25	CI_PIPELINE_SOURCE	10.0	all	It specifies source of the pipeline such as push, web, trigger, schedule, api, external.
26	CI_PROJECT_DIR	all	all	It defines the full path of the cloned repository, where the job is run.
27	CI_PROJECT_ID	all	all	It provides the unique id of the current project.
28	CI_PROJECT_NAME	8.10	0.5	It provides the name of the current project.
29	CI_PROJECT_PATH	8.10	0.5	It provides the name of the project along with namespace.
30	CI_PROJECT_URL	8.10	0.5	It gives the http address to retrieve the project.
31	CI_PROJECT_VISIBILITY	10.3	all	It specifies the project visibility whether it is internal, private or public.
32	CI_REGISTRY	8.10	0.5	It returns the address of GitLab's Container Registry, only if the Container Registry is enabled.
33	CI_REGISTRY_IMAGE	8.10	0.5	It returns the address of GitLab's Container Registry which is tied to specific project, only if the Container Registry is enabled.
34	CI_REGISTRY_PASSWORD	9.0	all	The password can be used to push the containers to the GitLab Container Registry.
35	CI_REGISTRY_USER	9.0	all	The username can be used to push the containers to the GitLab Container Registry.
36	CI_SERVER	all	all	It specifies that job is executed in CI environment.
37	CI_SERVER_NAME	all	all	It gives the CI server name to coordinate the jobs.

38	CI_SERVER_REVISION	all	all	It is used to schedule the jobs by using GitLab revision.
39	CI_SERVER_VERSION	all	all	It is used to schedule the jobs by using GitLab version.
40	CI_SHARED_ENVIRONMENT	all	10.1	It indicates that job is executed in a shared environment and it is set to true, if the environment is shared.
41	ARTIFACT_DOWNLOAD_ATTEMPTS	8.15	1.9	It specifies the number of attempts to download artifacts running a job.
42	GET_SOURCES_ATTEMPTS	8.15	1.9	It specifies the number of attempts to get the sources running a job.
43	GITLAB_CI	all	all	It specifies that job is accomplished in GitLab CI environment.
44	GITLAB_USER_ID	8.12	all	It specifies the id of GitLab user who is running a job.
45	GITLAB_USER_EMAIL	8.12	all	It specifies the email of GitLab user who is running a job.
46	GITLAB_USER_LOGIN	10.0	all	It specifies the login username of GitLab user who is running a job.
47	GITLAB_USER_NAME	10.0	all	It specifies the real name of GitLab user who is running a job.
48	GITLAB_FEATURES	10.6	all	It provides list of the licensed features for the GitLab instance and plan.
49	RESTORE_CACHE_ATTEMPTS	8.15	1.9	It defines number of cache attempts to restore the running a job.
50	CI_DISPOSABLE_ENVIRONMENT	all	10.1	It indicates that job is executed in a disposable environment and it is set to true, if the environment is disposable.

The following table shows list of new variables which can be used with GitLab 9.0 release −

S.No.	9.0+ name
1	CI_JOB_ID
2	CI_COMMIT_SHA
3	CI_COMMIT_TAG
4	CI_COMMIT_REF_NAME
5	CI_COMMIT_REF_SLUG
6	CI_JOB_NAME
7	CI_JOB_STAGE
8	CI_REPOSITORY_URL
9	CI_PIPELINE_TRIGGERED
10	CI_JOB_MANUAL
11	CI_JOB_TOKEN