Google Container Registry (GCR) provides secure, private Docker image storage on Google Cloud Platform. It provides a single place for teams to manage Docker images, perform vulnerability analysis, and decide who can access what with fine-grained access control. Existing CI/CD integrations let teams set up fully automated Docker pipelines to get fast feedback. Costs for use are based only on Google Cloud Platform storage and network usage.

GitLab also provides a container registry which is a built-in part of the product (i.e., no extra costs beyond standard tiered licensing costs for the single GitLab application which provides capabilities for the entire DevOps lifecycle).
## Feature Comparison

### Docker image support

Supports storage and retrieval of Docker style containers.

Learn more about the GitLab container registry

### Container registry webhooks

Triggers actions after a successful push to a registry to integrate Docker Hub with other services.

Learn more about GitLab registry webhooks

### Container registry high availability

Highly available through the use of multiple replicas of all containers and metadata such that if a machine fails, the registry continues to operate and can be repaired.

Learn more about GitLab high availability

### Container Registry geographic replication

Supports distributed teams by running multiple registry instances across several regions and syncing between data centers.

Learn more about GitLab replication

### Supports private container registries

Offers the ability to have private container registries and repositories

Learn more about GitLab private container registries

### SaaS container registry offering

The container registry is available as a software service.

Learn more about the container registry available on GitLab.com

### Self-managed container registry offering

Container registry which is available to be self-installed and self-managed in an organization's data center, co-hosted, or in a chosen cloud provider.

Learn more about self-installing GitLab

### Use container registry through REST API

...
Enables support for automation and integration of container registry through a REST API.

View the docs

Lower the cost of storage for the GitLab Container Registry by running garbage collection

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In the context of the Docker registry, garbage collection is the process of removing blobs from the filesystem when they are no longer referenced by a manifest.

Check out the documentation, and get started today.

Use search to find and container images

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Search your group and project’s Container Registry by image name

Learn more about the GitLab Container Registry

Helm chart repository support

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Supports storage and retrieval of Helm charts.

View the GitLab issue.

Image Expiration policies

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Easily define, manage and update project-level policies to define which images should be removed and preserved. This feature is designed to help you reduce storage costs and prevent important images from being deleted.

Learn more about Image Expiration policies

Get Your Free Trial