Red Hat Quay container and application registry provides secure storage, distribution, and deployment of containers on any infrastructure. It is available as an add-on for OpenShift or as a standalone component. Quay is offered both as self-managed or SaaS (quay.io).

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**

<table>
<thead>
<tr>
<th>Core Feature</th>
<th>GitLab</th>
<th>Quay</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Manage</strong></td>
<td>5.5/8</td>
<td>1/8</td>
</tr>
<tr>
<td><strong>Plan</strong></td>
<td>6/8</td>
<td></td>
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<tr>
<td><strong>Create</strong></td>
<td>7.5/8</td>
<td></td>
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<tr>
<td><strong>Verify</strong></td>
<td>6/8</td>
<td></td>
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<tr>
<td><strong>Package</strong></td>
<td>4.5/6</td>
<td>2/7</td>
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<tr>
<td><strong>Secure</strong></td>
<td>7/8</td>
<td>1/8</td>
</tr>
<tr>
<td><strong>Release</strong></td>
<td>7/8</td>
<td></td>
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<tr>
<td><strong>Configure</strong></td>
<td>4.5/7</td>
<td></td>
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<tr>
<td><strong>Monitor</strong></td>
<td>5/8</td>
<td></td>
</tr>
<tr>
<td><strong>Defend</strong></td>
<td>1.5/3</td>
<td></td>
</tr>
</tbody>
</table>

- **GitLab** scores 75% (54.5/73 Requirements)
- **Quay** scores 5% (4/73 Requirements)
FEATURES

Docker image support
Supports storage and retrieval of Docker style containers.
Learn more about the GitLab container registry

Container registry webhooks
Trigger 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
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

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

Learn more about the GitLab Container Registry

Helm chart repository support

Supports storage and retrieval of Helm charts.

View the GitLab issue.

Image Expiration policies

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