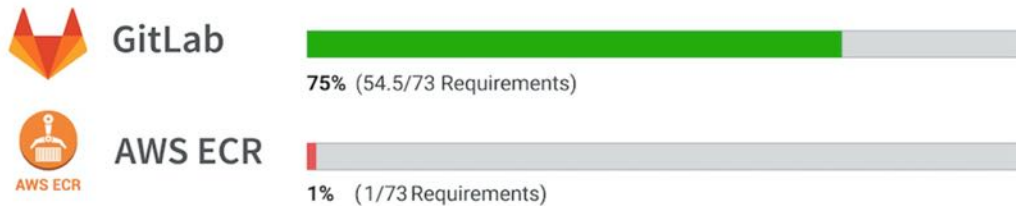


GitLab vs AWS Elastic Container Registry

Decision Kit



			Missing in AWS ECR
Manage	5.5/8 <div style="width: 68%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Subgroups Audit Events Audit Reports Compliance Management Code Analytics DevOps Reports Value Stream Management Insights
Plan	6/8 <div style="width: 75%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Issue Tracking Kanban Boards Time Tracking Epics Roadmaps Service Desk Requirements Management Quality Management
Create	7.5/8 <div style="width: 93%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Source Code Management Code Review Wiki Static Site Editor Web IDE Live Preview Snippets Design Management
Verify	6/8 <div style="width: 75%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Continuous Integration Code Quality Code Testing and Coverage Load Testing Web Performance Usability Testing Accessibility Testing Merge Trains
Package	4.5/6 <div style="width: 75%; background-color: #28a745; height: 10px;"></div>	1/7 <div style="width: 14%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Package Registry Container Registry Helm Chart Registry Dependency Proxy Jupyter Notebooks Git LFS Dependency Firewall
Secure	7/8 <div style="width: 87%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> SAST DAST Fuzz Testing Dependency Scanning Container Scanning License Compliance Secret Detection Vulnerability Management
Release	7/8 <div style="width: 87%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Continuous Delivery Pages Review Apps Advanced Deployments Feature Flags Release Orchestration Release Evidence Secrets Management
Configure	4.5/7 <div style="width: 64%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Auto DevOps Kubernetes Configuration ChatOps Runbooks Serverless Infrastructure as Code Cluster Cost Optimization
Monitor	5/8 <div style="width: 62%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Metrics Alert Management Incident Management Logging Tracing Error Tracking Product Analytics Synthetic Monitoring
Defend	1.5/3 <div style="width: 50%; background-color: #28a745; height: 10px;"></div>	<div style="width: 0%; background-color: #dc3545; height: 10px;"></div>	<ul style="list-style-type: none"> Web Application Firewall Container Host Security Container Network Security

Amazon Elastic Container Registry (ECR) is a fully-managed Docker container registry that makes it easy for developers to store, manage, and deploy Docker container images. Amazon ECR is integrated with Amazon Elastic Container Service (ECS) but can also be used from other sources. ECR is charged by storage and by internet traffic, meaning that it's cheaper to use if you stay within the AWS bubble.

In contrast, GitLab provides a container registry which is built-in part of the product (ie. no extra costs beyond standard operating costs).

Feature Comparison

FEATURES



Docker image support

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Supports storage and retrieval of Docker style containers.

[Learn more about the GitLab container registry](#)

Container registry webhooks

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Offers the ability to have private container registries and repositories

[Learn more about GitLab private container registries](#)

SaaS container registry offering

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



The container registry is available as a software service.

[Learn more about the container registry available on GitLab.com](#)

Self-managed container registry offering

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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

[Learn more about self-installing GitLab](#)

Use container registry through REST API

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



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

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

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

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

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

[Learn more about the GitLab Container Registry](#)



Helm chart repository support

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

Supports storage and retrieval of Helm charts.

[View the GitLab issue.](#)



Image Expiration policies

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

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](#)



Why GitLab?

- Product
- Solutions
- Services
- DevOps lifecycle
- DevOps tools
- Is it any good?
- Releases
- Pricing
- Get started

Resources

- All resources
- All-Remote
- Blog
- Newsletter
- Events
- Webcasts
- Topics
- Training
- Docs
- Install

Community

- Customers
- Contribute
- Partners
- Channel Partners
- Explore repositories
- Source code
- Shop
- Direction
- Contributors
- Core Team
- Hall of fame
- Community Forum

Support

- Get help
- Contact Sales
- Contact Support
- Support options
- Status
- Customers portal

Company

- About
- What is GitLab?
- Jobs
- Culture
- Team
- Press
- Analysts
- Handbook
- Security
- Contact
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