

GitLab vs AWS CodeStar

Decision Kit



| Category | GitLab Score | AWS CodeStar Score | Missing in AWS CodeStar |
|------------------|--------------|--------------------|--|
| Manage | 5.5/8 | | <ul style="list-style-type: none"> Subgroups Audit Events Audit Reports Compliance Management Code Analytics DevOps Reports Value Stream Management Insights |
| Plan | 6/8 | | <ul style="list-style-type: none"> Issue Tracking Kanban Boards Time Tracking Epics Roadmaps Service Desk Requirements Management Quality Management |
| Create | 7.5/8 | 3/8 | <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 | 1/8 | <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 | | <ul style="list-style-type: none"> Package Registry Container Registry Helm Chart Registry Dependency Firewall Jupyter Notebooks Git LFS Dependency Firewall |
| Secure | 7/8 | | <ul style="list-style-type: none"> SAST DAST Fuzz Testing Dependency Scanning Container Scanning License Compliance Secret Detection Vulnerability Management |
| Release | 7/8 | 1/8 | <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 | | <ul style="list-style-type: none"> Auto DevOps Kubernetes Configuration ChatOps Runbooks Serverless Infrastructure as Code Cluster Cost Optimization |
| Monitor | 5/8 | | <ul style="list-style-type: none"> Metrics Alert Management Incident Management Logging Tracing Error Tracking Product Analytics Synthetic Monitoring |
| Defend | 1.5/3 | | <ul style="list-style-type: none"> Web Application Firewall Container Host Security Container Network Security |

'AWS CodeStar helps you develop, build, and deploy applications on AWS by providing a pre-configured continuous delivery toolchain. Built-in security policies for various roles secure code access while the project dashboard centrally monitors application activity. Integration with Atlassian JIRA is required to create and manage JIRA issues in the AWS CodeStar dashboard. GitLab is a complete DevOps platform, delivered as a single application, providing CI/CD plus issue tracking for any SLDC, including those built on AWS.'

Feature Comparison

FEATURES



Free CI/CD with shared or personal Runners

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

GitLab.com has shared Runners that allow you to use GitLab CI/CD completely free up to 2000 build minutes for private projects and unlimited for public projects. Alternatively, you can set up your own Runner for faster build processing, unlimited build minutes, or special requirements.



[Explore GitLab.com offerings](#)

Application performance monitoring

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

GitLab collects and displays performance metrics for deployed apps, leveraging Prometheus. Developers can determine the impact of a merge and keep an eye on their production systems, without leaving GitLab.



[Learn more about monitoring deployed apps](#)

Application performance alerts

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

GitLab allows engineers to seamlessly create service level indicator alerts and be notified of any desired events, all within the same workflow where they write their code.



[Learn more about creating SLI alerts](#)

Preview your changes with Review Apps

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

With GitLab CI/CD you can create a new environment for each one of your branches, speeding up your development process. Spin up dynamic environments for your merge requests with the ability to preview your branch in a live environment. Review Apps support both static and dynamic URLs.



[Learn more about Review Apps](#)

Built for using containers and Docker

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

GitLab ships with its own Container Registry, Docker CI Runner, and is ready for a complete CI/CD container workflow. There is no need to install, configure, or maintain additional plugins.



[Read the docs](#)

Comprehensive pipeline graphs

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

Pipelines can be complex structures with many sequential and parallel jobs. To make it a little easier to see what is going on, you can view a graph of a single pipeline and its status.



[Learn more about pipeline graphs](#)

Scheduled triggering of pipelines

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

You can make your pipelines run on a schedule in a cron-like environment.



[Learn how to trigger pipelines on a schedule in GitLab](#)

Multi-project pipeline graphs

| | | | |
|------|---------|---------|----------|
| CORE | STARTER | PREMIUM | ULTIMATE |
| FREE | BRONZE | SILVER | GOLD |

With multi-project pipeline graphs you can see how upstream and downstream pipelines are linked together for projects that are linked to others via triggers as part of a more complex design, as it is for micro-services architecture.



[Learn more about multi-project pipeline graphs](#)

Run CI/CD jobs on Windows

Run CI/CD jobs on Windows

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

GitLab Runner supports Windows and can run jobs natively on this platform. You can automatically build, test, and deploy Windows-based projects by leveraging PowerShell or batch files.



[Install GitLab Runner on Windows](#)

Run CI/CD jobs on macOS

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

GitLab Runner supports macOS and can run jobs natively on this platform. You can automatically build, test, and deploy for macOS based projects by leveraging shell scripts and command line tools.



[Install GitLab Runner on macOS](#)

Easy integration of existing Kubernetes clusters

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

Add your existing Kubernetes cluster to your project, and easily access it from your CI/CD pipelines to host Review Apps and to deploy your application.



[Read more in the docs](#)

GitLab Kubernetes Agent

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

Manage the deployments and connection to your Kubernetes clusters in a secure and compliant way, driven by code.



[Read more on the docs](#)

Minimal CI/CD configuration

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

GitLab CI/CD requires less configuration for your pipelines than other similar setups like Jenkins.



[Learn more about GitLab CI/CD](#)

View Kubernetes pod logs

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

The monitoring of servers, application, network and security devices via generated log files to identify errors and problems for analysis. GitLab makes it easy to view the logs of running pods in connected Kubernetes clusters. By displaying the logs directly in GitLab, developers can avoid having to manage console tools or jump to a different interface.



[Learn more about viewing Kubernetes pod logs](#)

Windows Container Executor

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

With this feature you are able to use Docker containers on Windows directly, in much the same way as if they were on Linux hosts. This enables more advanced kinds of pipeline orchestration and management for users of Microsoft platforms.



[Learn more about the Windows Container Executor](#)

Visual Reviews

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

Visual Review allow users to give feedback on a proposed change in a Merge Request directly from the Review App itself. This feature enables designers, Product Managers, and other stakeholders to comment on the changes to the look and feel / user experience of a change just as easily and quickly as developers working in the MR.



[Learn more about Visual Reviews](#)

[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](#)
- [Terms](#)
- [Privacy](#)
- [Trademark](#)

Git is a trademark of Software Freedom Conservancy and our use of 'GitLab' is under license

[View page source](#) — [Edit in Web IDE](#) — [please contribute](#).