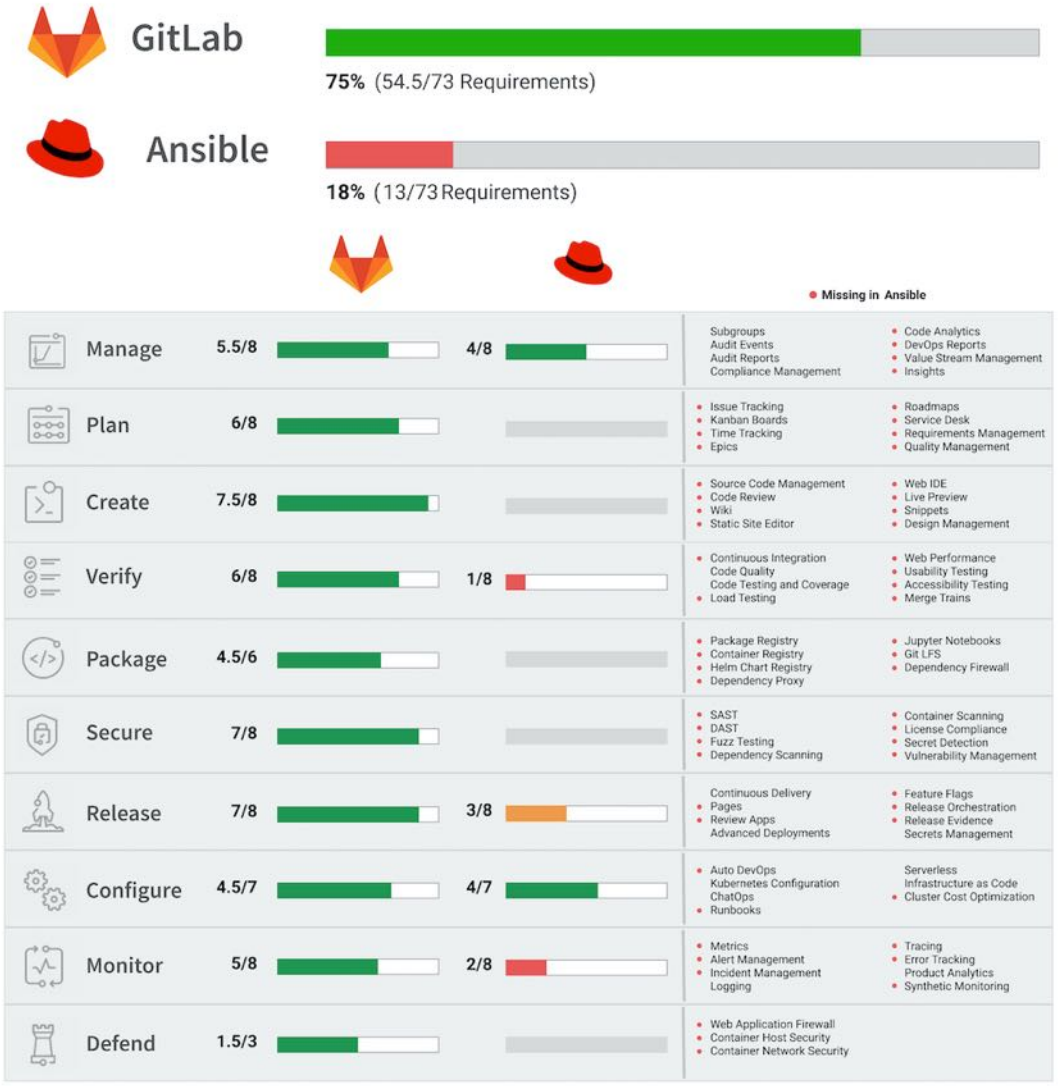
GitLab vs Ansible

Decision Kit



Ansible is an automation language and tool that can be used for configuration management and infrastructure provisioning. It enables deployment and maintenance of state for large scale infrastructure. Ansible excels as managing legacy infrastructure like physical servers and VMs. Although Ansible provides container support with Docker integration, Ansible does not implement Kubernetes natively and instead relies on a module to support Kubernetes.

GitLab is a complete DevOps platform, delivered as a single application that includes not only configuration management, but also capabilities for project management, source code management, CI/CD, and monitoring. GitLab is designed for Kubernetes and cloud native applications.

GitLab can be used together with Ansible to enable VM and bare metal configuration management. For Cloud Native applications run on Kubernetes, Ansible is not required and GitLab can provide all the functionality natively.

Feature Comparison

FEATURES	RED HAT ANSIBLE Tower	GitLab
AD / LDAP integration CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD Sync groups, manage SSH-keys, manage permissions, authentication and more. You can manage an entire GitLab instance through the LDAP / AD integration. More information about AD / LDAP integration	✓	✓
Granular user roles and flexible permissions CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD Manage access and permissions with five different user roles and settings for external users. Set permissions according to people's role, rather than either read or write access to a repository. Don't share the source code with people that only need access to the issue tracker. Learn more about User Roles	✓	✓
Cloud Native CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD GitLab and its CI/CD is Cloud Native, purpose built for the cloud model. GitLab can be easily deployed on Kubernetes and used to deploy your application to Kubernetes with support out of the box. Kubernetes integration	−	✓
Auto DevOps CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD Auto DevOps brings DevOps best practices to your project by automatically configuring software development lifecycles by default. It automatically detects, builds, tests, deploys, and monitors applications. Read more about Auto DevOps in the documentation	✗	✓
Deploy Boards CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD GitLab Premium ships with Deploy Boards offering a consolidated view of the current health and status of each CI/CD environment running on Kubernetes. The status of each pod of your latest deployment is displayed seamlessly within GitLab without the need to access Kubernetes. Learn more about Deploy Boards	✗	✓
Canary Deployments CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD GitLab Premium can monitor your Canary Deployments when deploying your applications with Kubernetes. Learn more about configuring Canary Deployments	✗	✓
Configuration Modeling CORE STARTER PREMIUM ULTIMATE FREE BRONZE SILVER GOLD CM modeling is the concept to consolidate the interactions between IT service assets, configuration items and infrastructure. Shows the interaction and relationship of services, infrastructure, and assets with each other, it will ease to find the root cause of an incident and problem.	✓	✓
Configuration Automation		

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

Configure Management automation is used to make the server reach a desirable state, previously defined by provisioning scripts using a tool's specific language and features ensuring that every system you're responsible for is configured accurately and consistently.


Configure Monitoring

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

CM monitoring includes the process of recording and reporting configuration item descriptions (e.g., hardware, software, firmware, etc.) and all departures from the baseline during design and production. In the event of discovered problems, the verification of baseline configuration and approved modifications can be quickly determined.


Configure Governance

CORE STARTER PREMIUM ULTIMATE
FREE BRONZE SILVER GOLD

CM governance is a review that assesses compliance with established performance requirements, commercial and appropriate government standards, and functional, allocated, and product baselines. Configuration governance confirm that the system and subsystem configuration documentation complies with the functional and physical performance characteristics before acceptance into an architectural baseline.


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