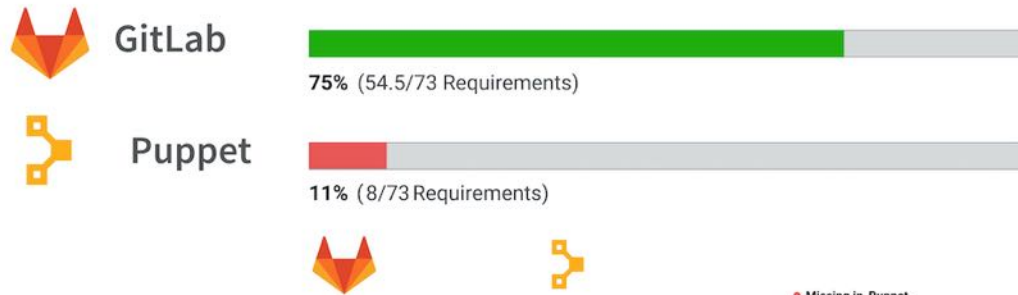


GitLab vs Puppet

Decision Kit



	GitLab	Puppet	Missing in Puppet
Manage	5.5/8	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		<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		<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 Proxy Jupyter Notebooks Git LFS Dependency Firewall
Secure	7/8	2/8	<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	1/7	<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

Puppet is a configuration management tool and language that enables deployment and maintenance of state for large scale infrastructure. Puppet excels as managing legacy infrastructure like physical servers and VMs. Puppet was designed before widespread container adoption and does not implement Kubernetes natively.

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 Puppet to enable VM and bare metal configuration management. For Cloud Native applications run on Kubernetes, Puppet is not required and GitLab comes with all the functionality needed built-in.

Feature Comparison



FEATURES

Built-in CI/CD

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD

GitLab has built-in Continuous Integration/Continuous Delivery, for free, no need to install it separately. Use it to build, test, and deploy your website (GitLab Pages) or webapp. The job results are displayed on merge requests for easy access.



[Learn more about CI/CD](#)

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](#)

Domain Specific Language

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



A Domain Specific Language (DSL) for defining infrastructure configuration allows thinking in resources, not files or commands to write declarative rather than procedural code.

Automated Provisioning

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Find, discover, and manage bare metal and VM servers. Provision using defined policies automatically installing the correct OS or hypervisors, based on the information discovered in your environment.

Infrastructure Orchestration

CORE	STARTER	PREMIUM	ULTIMATE
FREE	BRONZE	SILVER	GOLD



Model complex infrastructures and the dependencies between distributed services and systems that make up an application or application stack using infrastructure as code. The infrastructure orchestrator uses the model to manage deployment ensuring the right services are available, at the right time, with the right information.

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



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