Gitlab - CE VS Gitlab - EE

Gitlab :-

Git-lab is a Web-based Dev-ops tools basically used to provide Git repository and also additional features such as Wiki,issue tracking and CI/CD pipeline.

Community Edition of Gitlab

Community Edition of Gitlab is a free and open-source software distribution available for everybody to be accessed and used.

We have a freeware available to utilize the free features of community Edition.

Enterprise Edition

Enterprise edition is a licensed version used for Production support which has more enhanced features when compared to the Community Edition.

The enterprise Edition has various pricing levels available according to various requirement.

TYPES OF HOSTING IN GITLAB :

1. Gitlab Self Hosted
2. Gitlab SAAS (Gitlab.com)

Gitlab Self Hosted:

Gitlab self hosted version is hosted locally and requires multiple packages to be installed on localhost and the service needs to be up-hand running.

The hosted version of gitlab can be hosted using a fully qualified domain name available on the localhost.

Gitlab SAAS:

Gitlab Software as a Service is hosted from the company cloud platform which can be logged and services can be utilized from the Cloud Platform.

This looks similar to BitBuket,Github etc.

Features of free Version of Gitlab:

The Free version of Gitlab requires only MIT licence to activate its features.

List of features available on Gitlab.

S.no	Features available of community Edition
1.	Build in CI/CD
2.	Free space for hosting Repository
3.	Project/group Issue board
4.	Time Tracking
5.	Cycle Analytics
6.	Publish Static sites with Git lab pages
7.	Track new releases using Git lab releases

Key Features available:

1. Build in CI/CD: The build in CI/CD Feature is available for the free version of Git lab which would enable the end user with building the repositories .The free version of Git lab has a feature to enable various CI platforms within the Git lab such as Atlassian Bamboo CI , Drone CI ,   Team city CI.
2. Free Space for Hosting :Git lab provides free space for hosting the repository on the Git lab SAAS.

3. We can customize dash boards as the requirements in the Project/group issue dashboard.
4. Time tracking/Error tracking indicates the details of the error appearing in the details of the repository.
5. Cycle analytics gives details of the summary of the analytics present in the event/Sprint.

Features available on Enterprise edition of Git-lab:

Gitlab can be used in various fashions such as

1) SAAS (software as a service)

2) Hosted version

List of various features available for SAAS :

Pricing and the features

S.no	Bronze (Pricing - $4/month)	Silver (Pricing - $19/month)	Gold (Pricing - $99/month)
1.	Next business day Support	Multiple Group Issue Boards	Multi-level Epics
2.	Multiple approves in code review	Priority Support	Road maps
3.	Merge approvals	Multi-project pipeline graphs	Portfolio Management
4.	Code Quality	Deploy Boards	Application performance alerts
5.		Timed and manual incremental roll out deployments	Free Guest users
6.		Canary Deployments	Security Dashboards
7.			Container Scanning

Note: Support Provided by Gold has the has most number of superior features when compared to other features.

Gold also supports special features:

1. Dynamic Application Security Testing.
2. Kubernetes Cluster Monitoring.
3. License Compliance.
4. View Kubernetes pod logs.

List of various Features available for Local Hosted Version of Gitlab:

Pricing and the features

S.no	Starter (EE) (Pricing - $4/month)	Premium (EE) (Pricing - $19/month)	Ultimate (EE) (Pricing - $99/month)
1.	Next business day Support	Multiple Group Issue Boards	Multi-level Epics
2.	Multiple approves in code review	Priority Support	Road maps
3.	Merge approvals	Multi-project pipeline graphs	Portfolio Management
4.	Code Quality	Deploy Boards	Application performance alerts
5.	LDAP/AD Integration	Timed and manual incremental roll out deployments	Free Guest users
6.		Canary Deployments	Security Dashboards
7.		LDAP/AD Integration	Container Scanning

Ultimate also supports special features:

1. Dynamic Application Security Testing.
2. Kubernetes Cluster Monitoring.
3. License Compliance.
4. View Kubernetes pod logs.

Git-lab Comparison (Gitlab - CE VS Gitlab - EE) for SAAS:

Feature	Free Version (ce)	Bronze Version(ee)	Silver Version(ee)	Gold Version(ee)
Cost	Free	Billed Annually	Billed Annually	Billed Annually
Build in CICD	Present	Present	Present	Present
Project Issue Board	Present	Present	Present	Present
Cycle Analytics	Present	Present	Present	Present
Multiple Code Approvers	NA	Present	Present	Present
Business Support	NA	Present	Present	Present
Group Webhooks	NA	Present	Present	Present
Build Status of Merge requests	NA	Present	Present	Present
Code Quality	NA	Present	Present	Present
Merge Approvals	NA	Present	Present	Present
Restrict merge and Push Access	NA	Present	Present	Present
Issue Analytics	NA	NA	Present	Present
Automated mails	NA	NA	Present	Present
Service Desk	NA	NA	Present	Present
Approval Rules for Code Committer	NA	NA	Present	Present

Git-lab Comparison (Gitlab - CE VS Gitlab - EE) for Gitlab hosted version:

Feature	Core Version (ce)	Starter Version(ee)	Premium Version(ee)	Ultimate Version(ee)
Cost	Free	Billed Annually	Billed Annually	Billed Annually
Build in CICD	Present	Present	Present	Present
Project Issue Board	Present	Present	Present	Present
Cycle Analytics	Present	Present	Present	Present

Multiple Code Approvers	NA	Present	Present	Present
Business Support	NA	Present	Present	Present
Group Webhooks	NA	Present	Present	Present
Build Status of Merge requests	NA	Present	Present	Present
Code Quality	NA	Present	Present	Present
Merge Approvals	NA	Present	Present	Present
Restrict merge and Push Access	NA	Present	Present	Present
Issue Analytics	NA	NA	Present	Present
Automated mails	NA	NA	Present	Present
Service Desk	NA	NA	Present	Present
Approval Rules for Code Committer	NA	NA	Present	Present

Advantages and Disadvantages of Git lab - EE over Git lab - CE.

Advantages:

- Multiple Feature available on Enterprise edition when compared to Community Edition.
- Support available from Gitlab for Enterprise Edition over Community Edition.
- Upgraded features available for new releases on Hosted version of Enterprise Edition.
- Git lab SAAS provides free repository space on the cloud.
- Flexible support to multiple environments.

Disadvantages:

- The pricing for various features increase in Enterprise Edition over Community Edition.