

# CloudBees Value Stream Management®

Visibility and Insight to measure, manage and optimize your software delivery

Product and engineering leaders continue to struggle with measuring and managing their software delivery capability. Additionally, engineering teams lack visibility across the development process to help in their day-to-day activities, as well as understand what other teams are doing. Compiling data across the various sources is often a manual, intensive effort that makes it difficult to reliably track DevOps performance. Even after investing in DevOps tools, they still face challenges, such as:

- » **Poor visibility** into software delivery make it difficult to benchmark and track DevOps performance to identify improvements, leverage best practices and support collaboration across teams.
- » **No relationship between applications, teams and tools** means intensive, error-prone methods of data collection to gain actionable insights for measuring and managing the organization's continuous delivery capabilities.
- » **No central source of truth** resulting in lack of information to track flow of value from idea

to production, and guesswork on identifying bottlenecks and wait times, leading to increased waste.

CloudBees Value Stream Management solves these challenges by being the only solution purpose-built to provide visibility into collaborative delivery and DevOps performance. CloudBees Value Stream Management lets you map and visualize end-to-end software value streams with actionable insights to measure, manage and optimize software delivery across teams, improve DevOps performance and drive more value through faster business innovation.

You get real-time value stream insights from a solution that automatically collects and analyzes up-to-the minute data across value streams, allowing you to break down silos, detect patterns and identify bottlenecks. CloudBees Value Stream Management provides a single view of the delivery process with key DevOps performance metrics including: Deployment Frequency (DF), Mean Lead Time (MLT), Mean Time To Recover (MTTR) and Change Failure Rate (CFR).

## At a Glance

For product and engineering leaders seeking to optimize their software delivery capability, CloudBees Value Stream Management is the only solution that provides visibility and actionable insights from aggregated data across teams, tools and value streams. Teams are guided by data in making everyday decisions to support the efficient delivery of valuable solutions.

*“CloudBees has the potential to provide critical insight into and across our complex continuous delivery pipelines to help us effectively guide our improvement initiatives and optimize our delivery capability.”*

Director Product Engineering Services  
Temenos

## CloudBees Value Stream Management: Run-Time Value Stream Insights

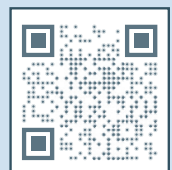
- » Reduce waste
- » Leverage best practices
- » Continuously improve

NAME	LAST EDITED	FAILING GATES	DF	MLT	MTTR	CFR
Titan	2h ago	1	12.7 / day	17m 3s	30m	30.0%
Echo	35m ago	2	6.2 / day	47m 17s	37m	23.2%
Apollis (Core Services)	8m ago	0	1.1 / day	2h 17m	3h 11m	27.0%
Saturn	17h ago	7	0.4 / day	4d 3h	7d 2h	19.2%
Echo Mobile	6m ago	0	24.2 / day	2m 7s	17m	95.8%
Juno (Shared Services)	24m ago	0	0.1 / day	5h 10m	3d 5h	62.2%

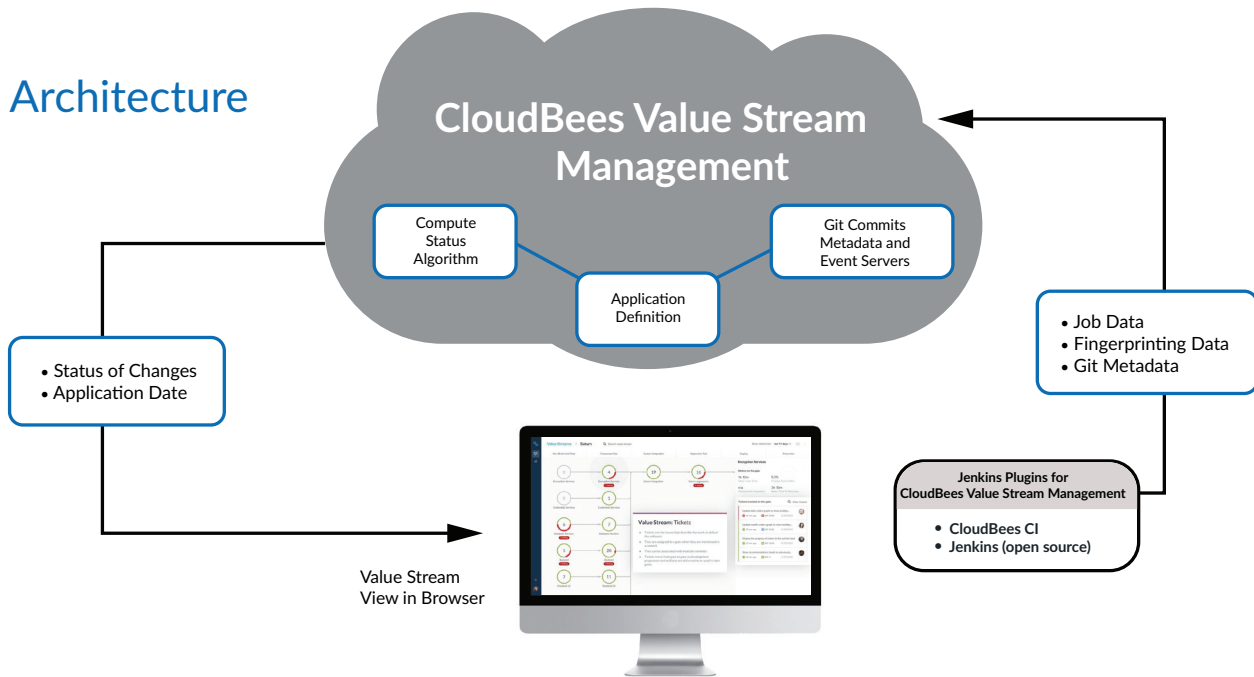
**Global list of all value streams**

- Organisation wide view of value streams
- Birds-eye view of the real-time pass/fail status of gates
- See and compare key DevOps performance metrics across value streams

The delivery stream view offers a drill-down look, revealing which jobs passed and failed to help identify bottlenecks.



## Architecture



CloudBees Value Stream Management utilizes a SaaS architecture that leverages your existing Jenkins infrastructure. Plugins connect with your existing Jenkins masters to collect build events as they happen. This data is sent to CloudBees, where the application definition and status of changes are computed. This is rendered in your browser as a live view of the application delivery process.

KEY FEATURES	KEY BENEFITS
Up-to-the-minute DevOps performance metrics including DF, MLT, MTTR and CFR	Measure and manage DevOps performance to optimize software delivery
Aggregate data across your organization's application delivery processes and infrastructure	Get portfolio-wide visibility and actionable insights into the entire delivery process
Compare performance across all of your teams and software value streams	Shared visibility into performance across value streams and teams to leverage best practices
Monitor performance and availability of your underlying continuous delivery platform	Ensure CI/CD platform supports software delivery activities
Identify where jobs are queuing or failed and their impact on dependent components	Quickly discover and address blockages in value flow
Drill down to pipelines, issues and code commits to determine why value flow is blocked	Perform root cause analysis on issues in value streams
Connect your teams, tools and value streams to get a single source of truth across your software delivery capabilities	Gain full visibility across infrastructure and processes without manual data collection
Integrates with CloudBees CI, Jenkins (OSS), Jira and SCM/VCS solutions	Leverage existing tools and infrastructure for easy integration

## Schedule a Demo

[www.cloudbees.com/products/cloudbees-devoptics](http://www.cloudbees.com/products/cloudbees-devoptics)