CloudBees DevOptics

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 the challenges:

- » **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 insight 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 DevOptics® solves these challenges by being the only solution purpose-built to provide visibility into collaborative delivery and DevOps performance. CloudBees DevOptics let's 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 the solution that automatically collects and analyzes up-to-the minute data across value streams, allowing you to breakdown silos, detect patterns and identify bottlenecks. CloudBees DevOptics provides that 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 DevOptics is the only solution that provides visibility and actionable insights from aggregated data across teams, tools and value streams so they are guided in everyday decisions to support the efficient delivery of valuable solutions.

"CloudBees DevOptics 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."

Ben Williams, Director Product Engineering Services, Temenos

CLOUDBEES DEVOPTICS: REAL-TIME VALUE STREAM INSIGHTS

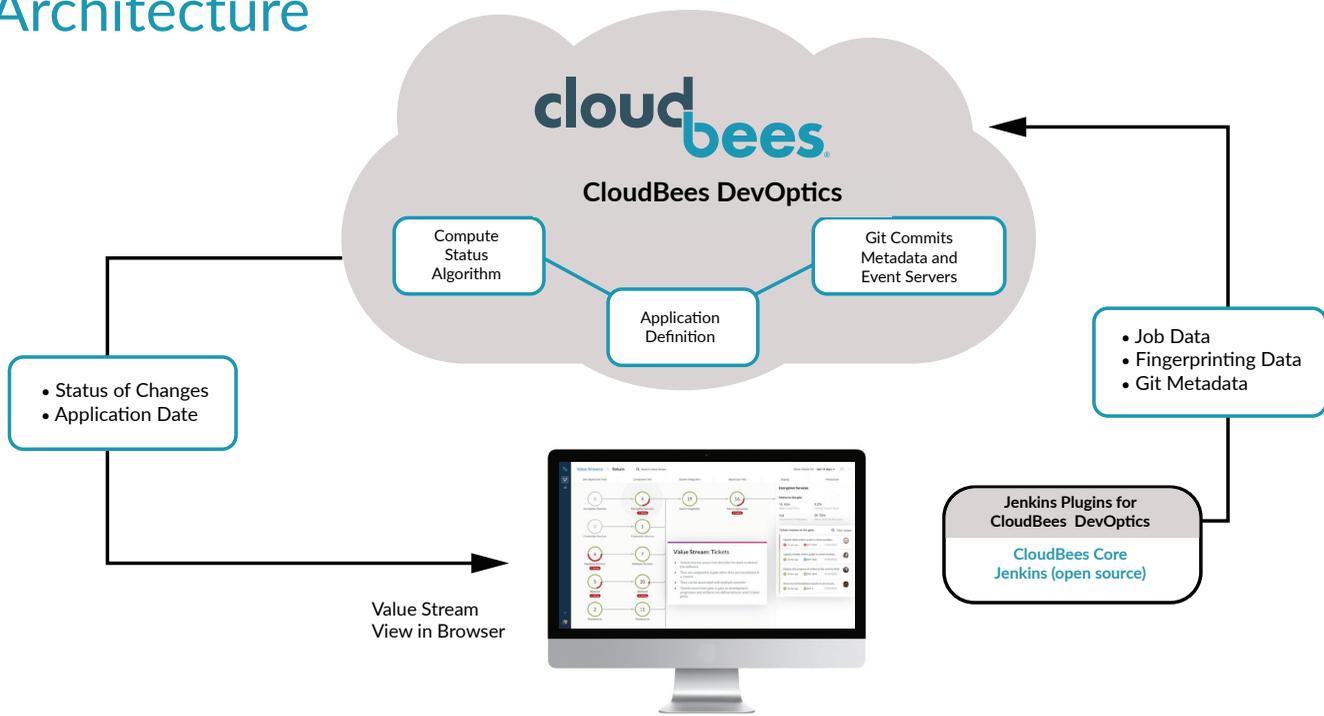- » Reduce waste
- » Leverage best practices
- » Continuously improve

The delivery stream view offer drill down, revealing which jobs passed and failed to help identify bottlenecks

Architecture

CloudBees DevOptics

- Compute Status Algorithm
- Application Definition
- Git Commits Metadata and Event Servers

- Status of Changes
- Application Date

- Job Data
- Fingerprinting Data
- Git Metadata

Jenkins Plugins for CloudBees DevOptics

CloudBees Core Jenkins (open source)

Value Stream View in Browser

CloudBees DevOptics 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.

Up-to-the-minute DevOps performance metrics including DF, MLT, MTTR and CFR	Measure and manage DevOps performance to optimize software delivery
Aggregates data across your organization's application delivery processes and infrastructure	Get portfolio-wide visibility and actionable insights on 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
Monitors 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 Core, Jenkins (OSS), Jira, and SCM/VCS solutions	Leverage existing tools and infrastructure for easy integration

Schedule a Demo

www.cloudbees.com/products/cloudbees-devoptics

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