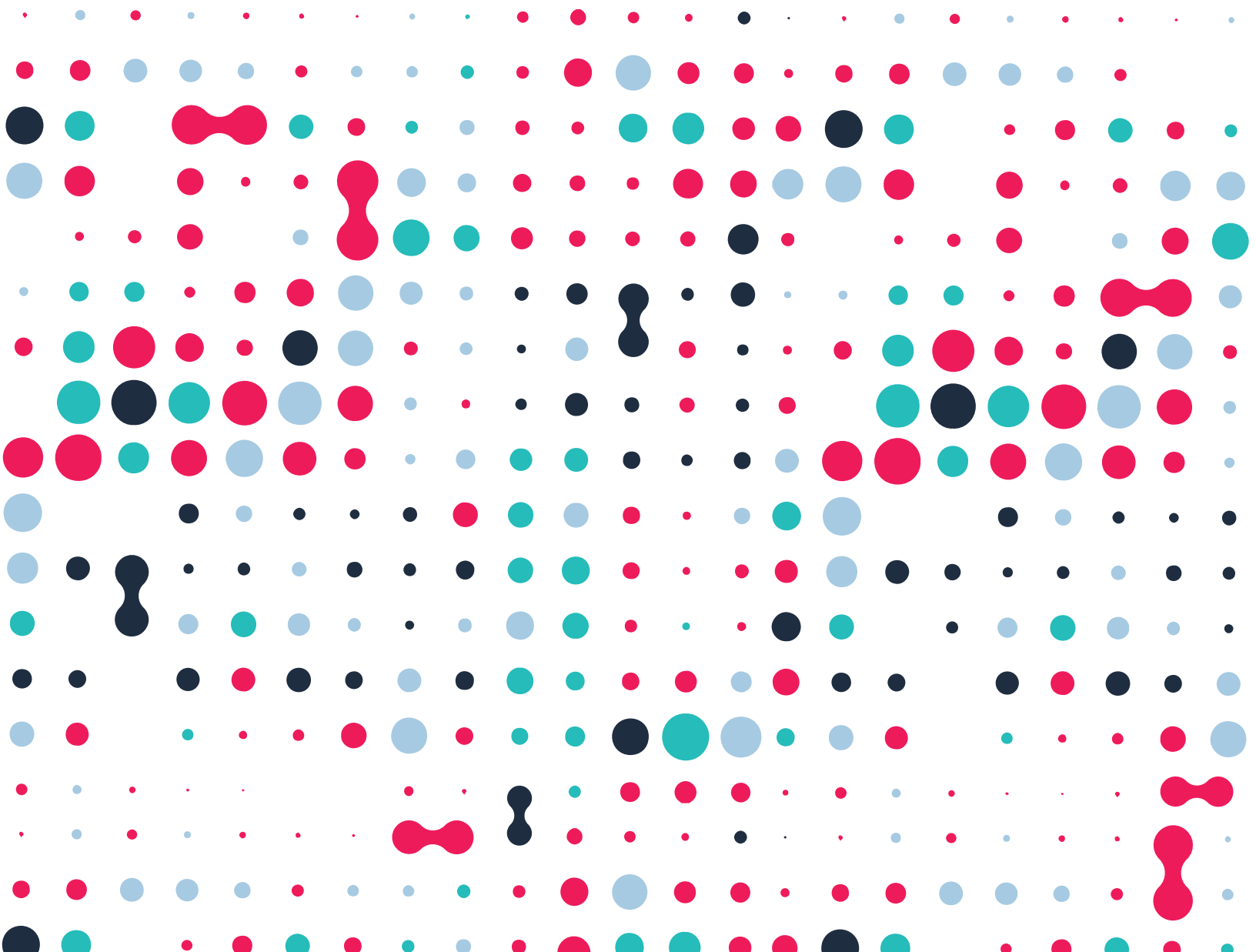


SOLUTION BRIEF

Moogsoft Express

Continuous Assurance for your Digital Business



Observability Needs AIOps

To continuously and quickly deliver software that boosts business efficiency and agility, DevOps teams embrace technology innovations, such as cloud services, software-defined networks, serverless computing, containers, IoT and microservices.

But along with their benefits, new technologies create operational complexity, a challenge for DevOps teams and for site reliability engineers (SREs) in their quest to increase software pipelines' flexibility, automation, transparency, and quality.

Leveraging IT innovations has created a shift in how teams monitor applications and services. To understand, monitor and manage the complexity, developers are disseminating information through their code so the services SREs monitor and operate are more observable. This typically begins with steadily more rich and structured logs and emitted metrics. This is formally known as observability, while traditional monitoring remains as the collection of metrics, logs, and other data.

For SRE teams to build continuous service assurance into their CI/CD (continuous integration / continuous delivery) cycle, they need an integrated AIOps offering that helps them identify anomalies from metrics and correlate them in real-time with other events and logs from the entire application stack. That way, they can detect critical incidents early and prevent outages throughout the CI/CD cycle.

Built on the industry-leading Moogsoft AIOps platform, Moogsoft Express is a cloud-native AIOps offering designed from the ground up for DevOps teams and SREs. It features intelligent noise-reduction, alert correlation and native observability capabilities, including metrics collection and anomaly detection. Express also offers out-of-the-box workflows and integrations with notification and alerting tools, helping DevOps teams resolve incidents faster and deliver continuous service assurance for their critical digital services.



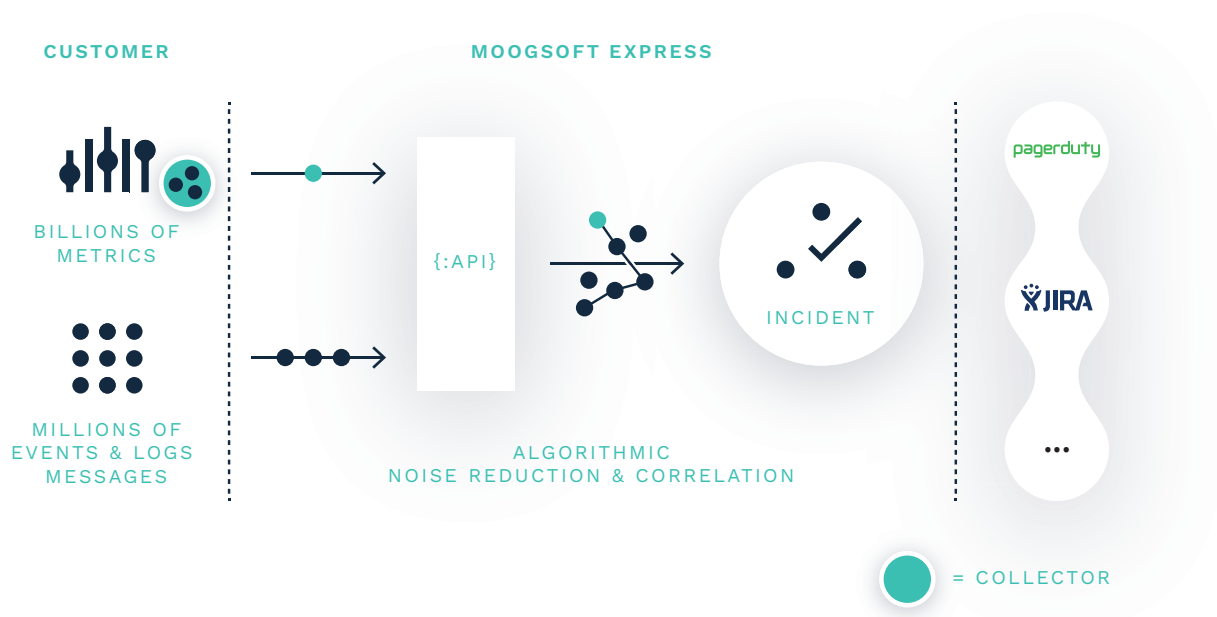
Moogsoft Express: The cloud-native AIOps and observability solution for cloud-first companies

Moogsoft Express is the only offering that democratizes AIOps while including native monitoring and observability capabilities. Simple to deploy, and easy to use, Moogsoft Express allows DevOps teams and SREs to keep their CI/CD software pipelines humming, detect application performance problems, and honor customer SLAs.

Here are key highlights that make Moogsoft Express the AIOps and observability solution of choice for small and medium-size enterprises (SMEs) and DevOps teams.

Born in the cloud

It all starts with a cloud-native architecture, which digital-first teams prefer and find most familiar. Thanks to its software-as-a-service (SaaS) deployment and straightforward subscription licensing model, organizations don't have to provision hardware, nor manage and maintain the



Moogsoft Express software; Moogsoft takes care of that. Designed for smaller teams, it's priced accordingly and features all the functionality they need in a package that's easy to adopt.

DevOps friendly

Moogsoft Express has out-of-the-box support for many common DevOps tools and data sources, including Amazon AWS Cloudwatch. It's been designed so it's very easy for DevOps teams with a variety of monitoring tools to push data such as metrics and events into Moogsoft Express using our industry-standard and easy to use APIs. Moogsoft Express can also send notifications to tools such as Slack, JIRA and PagerDuty. In this manner, Moogsoft Express makes it possible to handle sudden and constant changes without impacting the speed and agility of the CI/CD cycle.

Comprehensive functionality

Moogsoft Express' comprehensive feature set fits the needs of DevOps engineers and SREs, while being powered by the same platform and patented AI and machine learning algorithms of Moogsoft's industry-leading AIOps platform, which is trusted by more than 120 customers, including 20 of the Fortune 1000.

How Does it Work?

With Moogsoft Express, DevOps teams and SREs can finally gain insight into and streamline the management of their events and metrics, putting an end to alert overload and lengthy outages. Moogsoft Express provides full visibility over potentially serious incidents, and helps teams promptly and proactively address them.

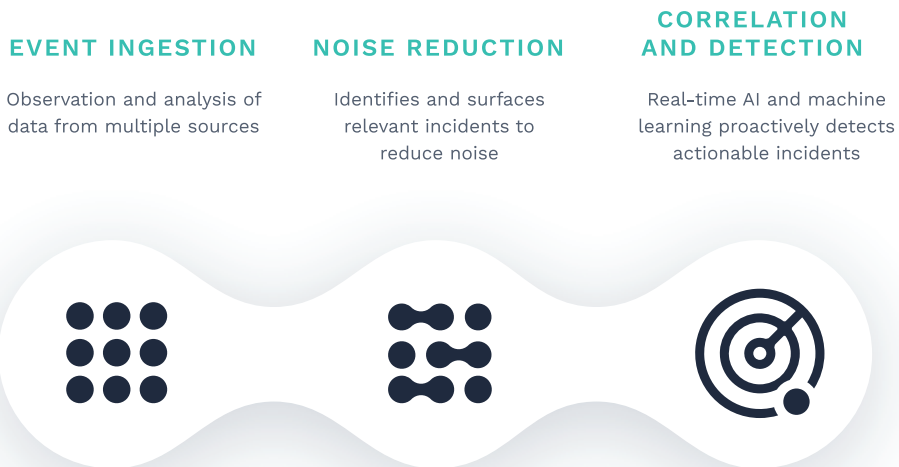
This is how it does it:

- Using both its deployable Collector and simple APIs, Moogsoft Express ingests metrics, events, and alerts from monitoring tools, such as AWS Cloudwatch, and from systems such as Linux servers and Kubernetes clusters.
- Applying statistical calculations and noise-reduction algorithms directly to the metric data makes Moogsoft Express a true observability solution that can monitor metrics and detect anomalies using learned adaptive thresholds, in combination with correlation across other event types.
- Moogsoft Express analyzes anomalies and events to filter out all the irrelevant events and data, generating contextually relevant alerts.
- Using Moogsoft's robust, correlation algorithms, Moogsoft Express correlates alerts into meaningful and actionable incidents.
- Moogsoft Express surfaces these incidents, enriched with contextual information and visual charts, providing a single, comprehensive view into the infrastructure and applications.
- To speed up data collection and anomaly-detection, and

to reduce bandwidth costs, Moogsoft Express conducts real-time analysis at the source, where digital services data is generated.

- As a business grows, it can add Moogsoft Express licenses for different teams, and, if it needs more advanced collaboration and customization features, it can deploy our Enterprise product, knowing they will interoperate seamlessly.
- Powering Moogsoft Express' AIOps capabilities are the more than 50 patented AI and machine learning algorithms that Moogsoft has developed since its founding.





Use Cases

Moogsoft Express has been designed for DevOps teams and their SREs, whether they work in a cloud-first SME or whether they're a group within a large enterprise. Here's a sampling of use cases where Moogsoft Express can help them better manage IT events, prevent outages, and provide continuous assurance for their digital services.

Alert overload

SREs and DevOps teams need to connect the dots quickly and precisely, but the number of alerts has become so large that it's impossible to review and investigate them all. If the teams are overwhelmed by IT monitoring noise, they'll be unable to pinpoint critical anomalies and identify their root causes until it's too late: They'll find out when customers start complaining about application latency, or about a full-

blown outage. Moogsoft Express was built from the ground up to address this problem. It provides metrics observability and detects anomalies using adaptive threshold monitoring, applies powerful, patented algorithms to filter out IT event noise, correlates only relevant alerts, and presents them grouped into unique incidents with all relevant data.

Application monitoring

Modern applications are uniquely complex, involving multiple components, sometimes multiple cloud providers, and often chained microservices. This complexity makes root cause identification challenging for DevOps and SRE teams, especially as application architectures evolve over time. Moogsoft Express brings the AIOps and observability capabilities DevOps teams need for their applications, via its cloud-native architecture, flexible correlation capabilities, and ability to monitor both events derived from any source and native metrics analysis with intelligent anomaly

detection. In addition, it can correlate and analyze new and unknown issues and data sources without additional configuration. As a result, teams can be agile in responding to the sudden changes that are common in DevOps environments.

Infrastructure monitoring

Many applications run on hybrid infrastructures, with some elements on premises and others in the cloud. Applications are also commonly distributed across physical and virtual infrastructure types with tools such as Docker and Kubernetes deployed to manage the different elements of applications. Underlying all of these are the physical devices, including routers, switches, load balancers, and servers. Each of these adds complexity and requires robust monitoring capabilities. In particular, metrics are key to monitoring many infrastructure stacks to understand performance and overall behavior and identify anomalies quickly. Moogsoft Express' native ability to analyze metrics directly and identify anomalies, and then to correlate those anomalies with other events generated by the infrastructure makes it much more efficient to identify the root cause of any issues so DevOps and SREs can quickly remediate them.

DevOps pipeline monitoring

DevOps pipelines continue to grow more complex, making it critical to catch build-and-deployment errors right

away. Moogsoft Express' data collection and correlation technologies improve detection of issues in these environments and increase resolution speed. Moogsoft Express can easily consume metrics, events and alerts from almost any system and perform effective anomaly detection and correlation to pinpoint DevOps pipeline problems. That way, teams can anticipate and prevent cloud-application problems, address nascent issues, identify root causes, and optimize for performance and availability.

If your DevOps team or SREs need to better monitor and manage metrics, alerts, and events from their tools, we invite you to take a closer look at Moogsoft Express. You can find more information about it on our [website](#) and sign up to participate in our Express beta program.



Moogsoft is a pioneer and leading provider of AIOps solutions that help IT teams work faster and smarter. With patented AI analyzing billions of events daily across the world's most complex IT environments, the Moogsoft AIOps platform helps the world's top enterprises avoid outages, automate service assurance, and accelerate digital transformation initiatives.

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