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DATA SHEET

Real-Time Kubernetes Monitoring

Real-Time Monitoring and AI-Driven Analytics for Containerized Environments

Splunk Kubernetes Navigator is the easiest way for SRE and DevOps teams to understand, monitor and troubleshoot Kubernetes clusters and deployed workloads. **Built on Splunk's patented streaming metrics architecture**, it provides the best-in-class solution for enterprises using Kubernetes to build, test, deploy and run modern applications at scale.

Dynamic Cluster Map: Pre-built, curated visualizations to understand the health, interdependencies, and performance of Kubernetes clusters

Benefit: **Accelerate Kubernetes adoption and achieve fast time to clue**

Logs in Context: Deep-linking from Kubernetes nodes, pods and containers to granular application and Kubernetes logs in Splunk to eliminate context switching and accelerate root cause analysis

Benefit: **Reduce mean time to determine the root cause**

Kubernetes Analyzer: AI-driven analytics automatically surfaces insights and recommendations to expedite triaging and troubleshooting

Benefit: **Expedite troubleshooting and increase DevOps productivity**

Fully-Automated Kubernetes Monitoring: Zero-touch configuration with automatic discovery of Kubernetes components and containerized services to instantly monitor the entire stack

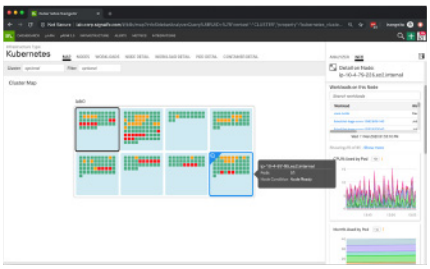
Benefit: **Get fast time to value and increase DevOps productivity**

"The engineering team at ClearScore moves fast with over 500 releases a month across 200 microservices. Enhanced with the new functionality of Kubernetes Navigator, Splunk gives our engineering teams real-time visibility across our modern infrastructure, enabling them to stay agile and focused on our mission of making personal finance clearer, calmer and easier to understand for our 10 million users worldwide."

Tim Richardson Director of Engineering, ClearScore

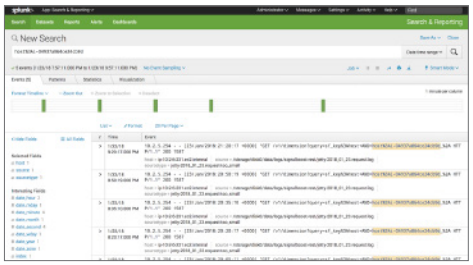
Kubernetes has become the de facto standard for deploying containerized applications and achieving portability across multicloud environments. However, it also introduces significant operational complexity. **Kubernetes Navigator** enables every DevOps and SRE team to quickly visualize and monitor the performance of Kubernetes deployments using an intuitive, out-of-the-box UI that navigates through the entirety of Kubernetes clusters.

Effortlessly Understand the Health of Kubernetes Clusters



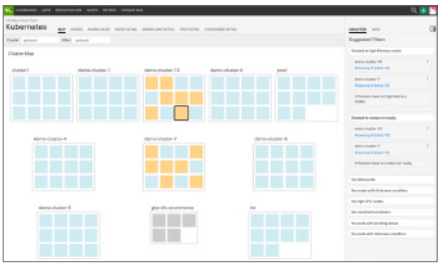
Starting with the bird's eye view, **Kubernetes Navigator enables teams to quickly understand the performance of the entire Kubernetes environment** with intuitive and hierarchical navigation. Select, filter or search for any Kubernetes entity and drill down for detailed analysis, e.g., node, pod and container level within seconds. Understand relationships between dynamic Kubernetes components and quickly fix interdependent performance issues arising from noisy neighbors.

Correlate Kubernetes Performance with Logs in Context



Seamlessly pivot to logs and get granular visibility into application, Kubernetes and container logs to correlate performance across the entire stack without any context switching. Visibility into lifecycle events of Kubernetes and API Server Audit logs help you understand and maintain your security and compliance postures.

Expedite Troubleshooting with Kubernetes Analyzer



AI-driven analytics automatically surfaces insights and recommendations to precisely answer, in real time, what is causing anomalies across the entire Kubernetes cluster — nodes, containers and workloads. Sophisticated algorithms, including Historical Performance Baselines and Sudden Change, detect system-level issues such as a sudden increase in Goroutines or container restarts and alert within seconds.

Get started quickly with fully automated Kubernetes Monitoring: Kubernetes Monitor is included with Splunk Infrastructure Monitoring. Get started quickly with a single-step, and zero-touch configuration. Kubernetes Navigator automatically discovers Kubernetes components and containerized services to instantly monitor your entire stack on any Kubernetes distribution — Amazon EKS, Azure AKS, Google GKE, RedHat OpenShift, or self-managed.

Future-proof your Kubernetes investment with an enterprise-grade and proven solution trusted by enterprises for the most advanced use cases at a massive scale. Learn more: https://www.splunk.com/en_us/application-development/kubernetes-monitoring.html

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