SOLUTION GUIDE

• Predict and prevent outages in advance with sophisticated machine learning
• Reduce mean-time-to-resolution (MTTR) with rapid, data-driven troubleshooting and collaborative incident response
• Support faster, more reliable application delivery with improved insight into the DevOps toolchain and collaboration across developers, operations and site reliability engineering
• Proactively monitor infrastructure and applications by collecting and correlating metrics, logs and other machine data
• Transform IT service monitoring with analytics that span both business and IT
• Eliminate silos by integrating data from across your infrastructure and systems

The complexity of today’s IT requires understanding the full environment and getting ahead of problems before they occur. Legacy tools often restrain users with data silos and partial views of systems, keeping IT in reactive instead of proactive mode. Additionally, legacy tools often require manually cobbling information together from multiple sources before it’s possible to understand, troubleshoot and resolve incidents. A suite of tools powered by AI and machine learning, Splunk for IT operations can help transform your entire approach so you can predict and prevent instead of triage and react.

Splunk lets you examine your data in depth and in real time, whether it’s on-premises, in the cloud or hybrid. Splunk software collects and correlates the machine data you need so you can quickly troubleshoot issues and outages, monitor end-to-end service levels and detect anomalies. Splunk extends this value by engaging the right teams and the right time, enabling them to collaborate on solving complex IT problems. With Splunk for IT operations, it’s easy to show business value such as reduced MTTR, lower monitoring costs and improved system uptime, all while supporting strategic initiatives like data center optimization and tool consolidation.

Transform Service Operations with AI Powered by Machine Learning

Splunk IT Service Intelligence (ITSI) is a monitoring and analytics solution that helps predict and prevent problems before they impact revenue and customer experience and delivers valuable insights across IT, business and applications.
IT Operations Analytics
Banish silos and gain actionable information with a 360-degree view that helps you shift from reactive IT to proactive and predictive IT by applying machine learning to your data. The insights you gain will help you predict and prevent problems before they occur, and identify and fix problems faster than ever before. This keeps your critical services running reliably and reduces your mean-time-to-investigate (MTTI) and MTTR.

Infrastructure Troubleshooting and Monitoring
Monitor, audit, secure and analyze your messaging and identity infrastructures and workloads in one place in real time. Use a customizable Active Directory interface to provide role-based access to support professionals in issue analysis and resolution, while also maintaining compliance.

Application Analytics
Splunk software improves all aspects of the application development lifecycle and provides visibility across silos for optimal application release and delivery, performance and customer experience. VictorOps provides collaborative incident response, so the right on-call teams are quickly notified and can collaborate on problems. Splunk ITSI provides a view of the high-level health and performance of applications and services. It also lets you dive deeper into investigations to help predict outages and find the root cause of a problem faster.

Cloud Monitoring
Monitor the performance, usage and availability of your cloud infrastructure. Whether hosting apps in an IaaS, PaaS, or serverless infrastructure, Splunk monitors the scale-up and scale-down of instances and constantly changing workloads, and connects data with application metrics for holistic monitoring. Splunk provides a complete picture of the health of the entire cloud infrastructure including all your nodes, transactions and users in one platform.

Servers, OS and Networks
Troubleshoot problems and outages quickly and detect early warning signs. Collect all logs, metrics, configurations, messages, and traps so you can search, correlate, alert and report across your servers in seconds. Eliminate silos with complete operational visibility across heterogeneous environments made of multiple flavors of Windows and Linux operating systems, regardless of deployment model. Integrate Splunk with existing server monitoring and provisioning tools for one-click granular data analysis.

Container Monitoring
Unify insights across all clusters and all container environments with the entire technology stack. Collect, search and correlate container data with other infrastructure data for better service context, monitoring and reporting. Gain insight on container resource usage, cluster capacity and the impact of increasing cluster use for a specific service.

Virtualization Monitoring
Gain visibility across the virtual stack, make faster event correlations, and search transactions spanning virtual and physical components, all from one place. Bring it all together for troubleshooting and analyzing issues, and security and compliance investigations.

Storage Monitoring
Use out-of-the-box, customizable reports to improve your storage monitoring efficiency and proactively plan storage capacity allocations. Understand your storage system in context with corresponding app performance, server response times and virtualization overhead.

Mobile Intelligence
Deliver better performing and more reliable apps, and gain insight on end user experience. Make mobile data open to developers, operations and line of business users.

Wire Data Analytics
Get real-time insight into applications performance without the need for deep instrumentation. With the combination of application event capture, real user monitoring and comprehensive infrastructure obtained from streaming network packets, you can achieve end-to-end visibility for an optimal customer experience.

Collaborative Incident Response
Easily route problems and notifications to on-call developers and operations teams with a mobile app or web interface so they can collaborate on and fix outages faster. Post-Incident reviews provide retrospectives into both the incident and how it was resolved.

FREE SPLUNK.
Splunk Insights for Infrastructure is available as a free download.
Start your free trial of VictorOps.