

An Artificial Intelligence First Approach to IT Operations

Web-Scale IT Operations Analytics for Multi-Clouds

Perspica provides a unique IT Operations Analytics solution to prevent application performance degradation and outages, for TechOps and DevOps. **Perspica** combines advanced machine learning, built-in domain knowledge, and massively scalable big data architecture to provide a unique, reliable and scalable solution for multi-cloud environments.

Manual problem diagnosis and rule-based troubleshooting tools are no match for the flood of performance, log, event and configuration data generated by mission critical applications running in today's dynamic environments. **Perspica** handles and sifts through massive amounts of performance and events data generated in modern data centers. **Perspica** self-learns in real-time the relationships between all of the objects, recognizes the difference between inconsequential anomalies and actual performance problems, instantly diagnoses past, current or developing future issues and provides actionable recommendations.

Key Benefits

- **Reduce alert storms** to minimize wasted operational effort.
- **Lightning-fast troubleshooting** to significantly reduce the time needed to diagnose and isolate sources of an alarm.
- **Insights into key metrics and events** around the time of past, current or developing issues in the data center.
- **Dramatically cut operational costs** by using threshold automation to determine appropriate resource utilization thresholds.
- **Actionable recommendations** based on built-in and crowd-sourced knowledge base to accelerate remediation times and improve MTTR.



Unique Technology

1. A **big data architecture** designed to be fast, extensible and massively scalable for real-time data processing of performance metrics, log, event, configuration and topology data **across compute, network, storage and application silos**.
2. Uses a **set of advanced machine learning analytics and inference algorithms specialized for applications and IT infrastructure** to detect significant anomalies over and above noisy alarms. This helps reduce alarm storms, identify probable causes and detect developing issues pro-actively.
3. Uses **in-built and crowd-sourced knowledge base** to provide **actionable recommendations** for remediation.
4. Unique approach to rapidly build analytical information models for large dynamic systems that are continually changing. **Five concurrent Analytics: Topology, Behavior, Anomaly, Problem, and Predictive Analytics**.