

HPE Operations Analytics

Pinpoint, predict, and prevent performance issues with automated data analytics



HPE Operations Analytics lets you collect and analyze operational data from any source to pinpoint and resolve problems in minutes, not days, as well as prevent future performance issues with predictive analytics.

Uncover—and unleash—the performance insights in your data

Gone are the days of hardware-only data centers, desktop PCs, and office-bound employees—today's IT environments are hugely complex, composed of countless mobile devices and applications, on-premises and cloud infrastructures, virtualized compute and storage, and more. And with this complexity comes the unprecedented challenge of managing these sprawling environments—maximizing service levels, minimizing downtime, proactively maintaining control, and resolving performance problems before they impact the business. The question is: How do you resolve the performance

problems that will inevitably arise, as well as take steps to prevent similar issues from affecting performance in the future?

Simply put, the answer lies within your data. But not just some of your data—all of it, from every source. That includes both structured and unstructured data, both IT and non-IT data, across every data silo within your organization. And then you need a way to analyze this data to get at the root causes of problems faster, predict and prevent performance degradation, and automate troubleshooting so IT can dedicate its resources toward more productive endeavors.

You can accomplish all these things—and more—with HPE Operations Analytics.

HPE Operations Analytics is a standalone, state-of-the-art Big Data analytics platform that uses innovative machine learning intelligence to deliver intuitive log and event analytics insights and real-time anomaly detection. It is the only IT operations analytics solution that can intelligently correlate performance metrics, alerts, SNMP traps, log file data, and other non-IT data in a Relationship Score to pinpoint the root causes of issues in minutes, not hours or days. Unlike typical point solution tools, HPE Operations Analytics also features predictive analytics that self-learns behavior trends from metrics and log data, leveraging data patterns and seasonality to predict (and prevent) future performance issues before they affect the business. And it presents this information in comprehensive visual displays, making it easy for operations teams to see, understand, and respond to emerging issues and incidents quickly. The result: faster problem solving and MTTR, significantly less downtime,

consistently met and maintained SLAs, and a peak-performing IT environment that ultimately helps drive the business forward.

HPE Operations Analytics provides a comprehensive view of your enterprise IT operations

HPE Operations Analytics gives you complete visibility into your IT operations by collecting, storing, and analyzing your operational data to help determine the root cause of complex failures and problems, and to improve operational performance. Data can be structured in the form of machine metrics, performance data, hardware and software events, and topology, or it can be unstructured log file data from systems, applications, network devices, middleware—even non-IT data such as weather information or financial transaction data.



Operational intelligence search and index

Index and search through high volumes of Big Data in real time, including data from HPE and non-HPE products, and harness built-in intelligence that serves up context-relevant search terms to quickly find targeted results and achieve end-to-end visibility into infrastructure performance.



Guided troubleshooting

Automatically generate meaningful IT operations analytics dashboards and search queries based on key words entered to move faster through each step of troubleshooting to arrive at the root cause.



Root cause analytics

Identify trends and pinpoint IT issues in minutes by using easy-to-create charts with “time machine” replay, which correlates disparate data over any time period visually with ease.



Automated log analysis and event analytics

Leverage automated analysis across known and unknown data to filter out noise, determine relevant clusters, and analyze text to identify abnormal behavior—all without having to write a single query.



Predictive analytics

Predictive analytics self-learns behavior trends from metrics and log data, leveraging historical trends and seasonality to predict future performance and identify problems before users are impacted.



Anomaly alerting

Help prevent IT issues from impacting end users with intuitive, real-time alerts that notify when performance deviates from established baselines.



Relationship Score

Automatically correlate IT and non-IT data to determine if one affects the other, and rate the level of influence between the two in a Relationship Score.

HPE Operations Analytics: the complete solution

HPE Operations Analytics is a data analytics platform that lets you collect and analyze enterprise operational data from any source to identify and resolve problems in minutes, as well as prevent future performance issues with predictive analytics.

HPE Operations Analytics—Express Edition components

Accelerate operational intelligence across IT environments:

- Log search
- Visual analytics
- Log data collectors

HPE Operations Analytics—Premium Edition components

Premium Edition includes all Express Edition components plus:

- Advanced analytics for machine data
- Machine learning root cause analysis (RCA)
- Predictive analytics and alerts (logs only)
- Big Data platform (HPE Vertica)

HPE Operations Analytics—Ultimate Edition components

Ultimate Edition includes all Premium Edition components plus:

- All data sources and types
- Predictive analytics (logs and events)
- Ability to correlate many data types
- Inferred or imported service topology
- Custom analytics using R function

Empower analytics everywhere

HPE Operations Analytics delivers advanced event analytics capabilities right out of the box, allowing you to extract highly relevant, actionable insights from your data to identify root causes of issues in minutes, detect anomalies in real time, and avoid future performance problems using predictive

analytics. The solution helps increase availability of services and applications, enable business continuity, and allows IT personnel to focus their efforts on adding true value to your business.

Learn more at
hpe.com/software/opsanalytics



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