

Deliver artificial intelligence (AI) operations analytics via software as a service (SaaS). Experience flexible, fast deployment that can easily scale as your needs grow and make data-driven decisions to optimize data center resources.

DATASHEET

Hitachi Infrastructure Analytics Advisor Software as a Service: Data Center Insights

Transform AI Operations To Improve Data Center Efficiency via the Cloud

Today's organizations demand that business applications receive their required service levels for availability and performance 24/7. Increased infrastructure complexity combined with continuous data growth and change has resulted in limited visibility across the data center. Without the right IT analytics tools, optimizing application service levels while keeping IT costs in check can be an arduous challenge.

Develop Key Insights

Hitachi Infrastructure Analytics Advisor (HIAA) includes Hitachi Data Center Analytics (HDCA) to provide IT operational intelligence that delivers key insights into your data center operations. With these insights, you can make AI operations decisions and investments that are required for data center modernization. Infrastructure Analytics Advisor enables you to improve operational efficiency through machine learning (ML) and build a scalable data center infrastructure that meets all your business needs without overrunning budgets.

- Deliver anomaly detection to easily monitor and maintain service levels.
- Plan data center infrastructure growth properly to ensure requirements are met.
- Consolidate analytics reporting across

heterogeneous infrastructure resources at cloud scale.

- Provide root cause analysis to quickly troubleshoot and resolve IT problems.

Gain Essential SaaS Benefits

Hitachi Vantara's new SaaS offering combines Infrastructure Analytics Advisor and Data Center Analytics capabilities via the cloud to enable both on-premises and SaaS-based deployment options. HIAA offered as SaaS* provides the following key software-as-a-service benefits:

- Reduce costs by eliminating on-premises management server, software and installation.
- Enable cost flexibility with new subscription term licensing model.
- Increase cloud scalability to address your needs as you grow.
- Simplify ongoing software upgrades and maintenance.

With end-to-end topology views of your data path, you can determine the right actions to improve data center resource utilization and performance. The software provides in-depth visibility for the comprehensive performance management required to optimize business application servers with its supporting environment. Properly monitor and analyze key performance and health statistics from the server or virtual machine through its entire data path to shared storage resources.

Infrastructure Analytics Advisor provides the ability to transform IT metrics into simplified service level objectives (SLOs) for performance and capacity by host server or virtual machine. Continuously monitor SLOs to ensure compliance to service level agreements with integrated alerts providing early notification when service-level thresholds have been exceeded or anomalies have been detected. Create custom dashboards to centrally monitor service levels and system health.

Obtain Detailed Reports, Optimize Infrastructure

A cloud-scalable data warehouse ensures that you can capture and store detailed

FEATURES AND CAPABILITIES

- Data center operational efficiency improves utilization and performance across all heterogeneous resources on the data path.
- AI operations simplify monitoring and anomaly detection to filter out event storms and false positives.
- Pre-emptive analytics quickly identify problems so you can take action to resolve issues before they can affect users.
- Software-as-a-service model lowers operational overhead and expands flexibility. It is available via the cloud or on-premises software for your data center.

*Hitachi chooses the location or locations where the SaaS offerings are performed, which may include countries outside of the borders of the country in which the customer and its systems are located.

operational statistics covering multivendor data center resources. It incorporates effective machine learning to correlate and analyze large IT operational data sets and rapidly identify historical trends and anomalies, to help you effectively optimize and plan your infrastructure. With granular performance-monitoring intervals, you can obtain detailed and advanced reports customized to address various user needs.

- **Anomaly Detection:** Analyze a wide range of IT operational metrics for new ML-based insights for anomaly detection and to help you make the right decisions when optimizing resources. Define SLOs by host server, virtual machine or storage resource so they can be properly monitored and enforced.
- **Predictive Analytics:** Eliminate the guesswork when planning and budgeting for new data center resources. Build predictive risk profiles using historical trends that include all resource dependencies along the data path for improved forecasting accuracy.
- **Optimize Multivendor Performance:** Deliver integrated best practices and health insights to monitor key performance indicators across a heterogeneous, multivendor data center environment. This approach enables you to optimize all elements on the application server's data path (server, virtual machine or VM, SAN network, storage) and easily identify and isolate performance problems.
- **Problem Analysis and Resolution:** Maintaining optimal performance and use is often hindered by time-consuming efforts to identify and troubleshoot performance bottlenecks. IT configuration changes are automatically tracked so they can be correlated in time with any recent

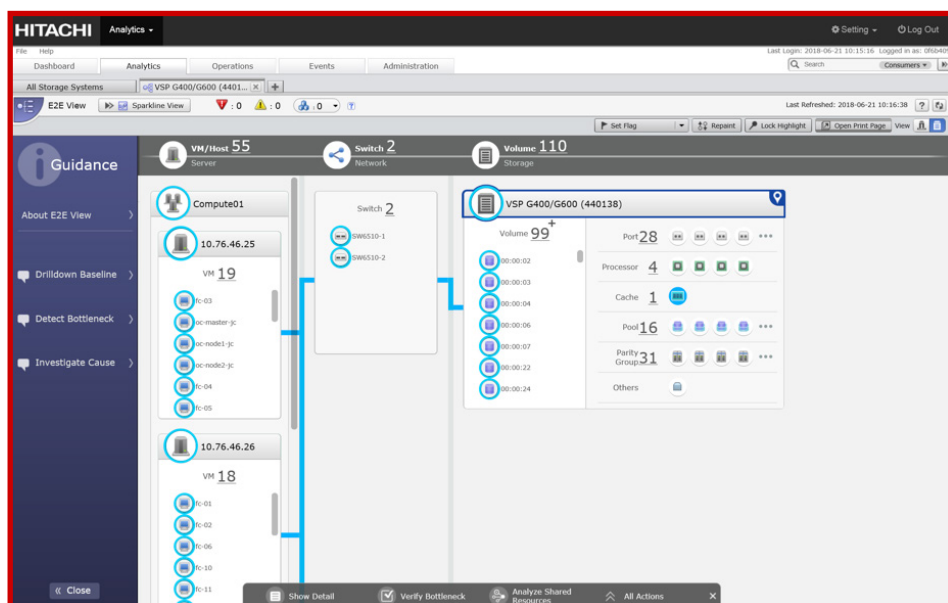


Figure 1: Hitachi Infrastructure Analytics Advisor SaaS: End-to-end view provides new insights across heterogeneous data center resources from virtual machine or server to storage.

SaaS ADVANTAGES

- Lower-cost delivery for advanced data center analytics.
- No management server hardware costs and maintenance.
- Reduce management software installation and upgrades.
- Cloud scalability for expansion flexibility.
- Subscription term licensing based on amount of telemetry data being analyzed.

degradation in performance. HIAA correlates information to determine all related and dependent resources that may be affecting a problem, so these dependent resources can be further investigated. An intelligent root cause analysis engine provides prescriptive analytics that enable you to rapidly diagnose performance bottlenecks to determine their root cause, and suggests remediation actions.

Next Steps

Learn how Hitachi Vantara can help you to improve AI operations analytics and make informed decisions on data center optimization and efficiency, whether on-premises or via the cloud. Visit <https://www.hitachivantara.com/en-in/products-solutions/storage/it-analytics.html> or contact your Hitachi Vantara representative.

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