

- Provide clear visibility into your data center operations.
- Ensure mission-critical business application service levels are met.
- Plan future IT infrastructure growth based on historical trends.
- Consolidate analytics reporting across multivendor storage systems.
- Analyze and transform IT metrics into actionable insights.

**DATASHEET**

## Hitachi Infrastructure Analytics Advisor: Intelligent IT Insights for Digital Transformation

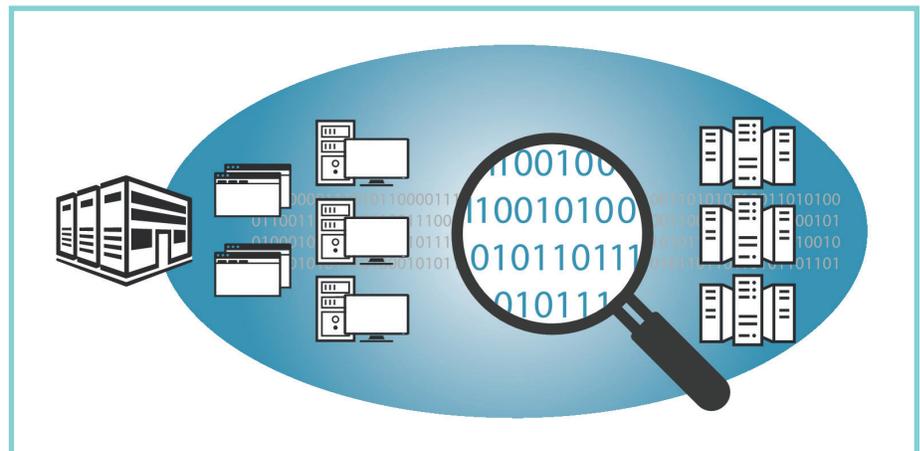
### Deliver IT Operational Intelligence To Improve Data Center Efficiency

Today's IT organizations demand that business applications receive their required service levels for availability and performance 24/7. Increased infrastructure complexity combined with continuous data growth 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.

Hitachi Infrastructure Analytics Advisor includes Hitachi Data Center Analytics, provides IT operational intelligence, and delivers key insights into your IT operations to make informed IT decisions and investments.

With end-to-end IT topology views, you can determine the right actions to improve resource utilization and performance. The software provides in-depth IT visibility for comprehensive performance management that is required to optimize business application servers with its supporting environment. Properly monitor and analyze key performance statistics from the server 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



**Figure 1. Hitachi Infrastructure Analytics Advisor and Hitachi Data Center Analytics transform IT data into actionable insights.**

SLOs to ensure compliance to service-level agreements with integrated alerts providing early notification when service-level thresholds have been exceeded. Create custom dashboards to centrally monitor service levels and system health.

Infrastructure Analytics Advisor delivers IT analytics capabilities that can extend across a heterogeneous environment for true multivendor support, including Hitachi, EMC, IBM®, NetApp, HPE 3PAR and Pure Storage systems, thus eliminating the need for vendor-specific storage-performance reporting tools.

### IT Operations Insights

By eliminating IT complexity and gaining data center visibility, you can analyze IT operational metrics for new insights to make the

right decisions when optimizing IT resources. By utilizing historical trends of your operating environment, you can define performance baselines to track and compare historical with current performance to quickly identify performance anomalies.

### Service-Level Management

Business applications have different SLOs for performance and capacity based on their business criticality. Hitachi Infrastructure Analytics Advisor enables you to define and monitor these SLOs by host server, virtual machine or storage resource so they can be properly monitored and enforced. You are quickly alerted when servers or virtual machines miss their assigned SLOs, which enables you to take pre-emptive actions.

## Optimize Multivendor Performance

By providing detailed performance, capacity and operational metrics, Hitachi Infrastructure Analytics Advisor and Hitachi Data Center Analytics deliver the in-depth analysis and reporting needed to fully optimize today's virtualized, multivendor IT environments. It provides integrated best practices and health insights to monitor key performance indicators and easily identify and isolate performance problems. By analyzing from virtual machine and server through the SAN fabric to logical storage resources, Infrastructure Analytics Advisor provides the IT operations visibility essential to optimize all elements on the application server's data path.

## Predictive Analytics

Eliminate the guesswork when planning and budgeting for new data center resources. With predictive analytics, forecast future capacity and performance requirements for resources based on actual historical trends for more accurate planning. Predictive risk profiles include all resource dependencies along the data path for improved forecasting accuracy. Conduct planning scenarios to assess a proposed resource configuration and its potential impact to verify the configuration is meeting its objective prior to implementation.

## Problem Analysis and Resolution

Maintaining optimal IT performance and utilization is often hindered by time-consuming efforts to identify and troubleshoot performance bottlenecks. Hitachi Infrastructure Analytics Advisor provides the necessary correlation required to determine all related and dependent resources that may be affecting the bottleneck so these dependent resources can be further investigated.



Figure 2. Hitachi Infrastructure Analytics Advisor Dashboard

## FEATURES AND CAPABILITIES

- Service-level management for servers, virtual machines and shared storage resources.
- Heterogeneous storage system support for Hitachi, EMC, IBM, NetApp, HPE 3PAR and Pure Storage.
- Historical trend analysis for automated performance anomaly detection.
- Pre-emptive analytics to quickly identify problems so you can take action to resolve issues before they can affect users.
- Highly efficient data warehouse that can scale to millions of IT operational statistics.
- Available software for your data center or via the cloud.

IT configuration changes are automatically tracked so they can be correlated in time with any recent degradation in performance to determine if these configuration changes could be the cause of the problem. Infrastructure Analytics Advisor provides prescriptive analytics with an intelligent root cause analysis engine. This enables you to rapidly diagnose and troubleshoot performance bottlenecks to determine their root cause while providing suggested remediation actions.

Integration with Hitachi Automation Director delivers automated management workflows to quickly execute configuration changes that may be required to resolve the issue.

For more information on how Hitachi can help you to improve IT operational intelligence and make informed decisions on IT optimization and efficiency, visit the [IT Analytics web page](#) or contact your Hitachi Vantara representative.

## Hitachi Vantara

Corporate Headquarters  
2845 Lafayette Street  
Santa Clara, CA 95050-2639 USA  
[www.HitachiVantara.com](http://www.HitachiVantara.com) | [community.HitachiVantara.com](http://community.HitachiVantara.com)

Regional Contact Information  
Americas: +1 866 374 5822 or [info@hitachivantara.com](mailto:info@hitachivantara.com)  
Europe, Middle East and Africa: +44 (0) 1753 618000 or [info.emea@hitachivantara.com](mailto:info.emea@hitachivantara.com)  
Asia Pacific: +852 3189 7900 or [info.marketing.apac@hitachivantara.com](mailto:info.marketing.apac@hitachivantara.com)

