

Optimizing Infinidat InfiniBox Storage with Virtual Wisdom



Essentials

Optimize Infinidat InfiniBox Storage Environments with VirtualWisdom:

- Understand the overall health, availability, and performance of your storage resources down to the application level
- Achieve real-time and historical performance visibility from application to database
- Forecast and manage capacity and utilization across ports, controllers, and volumes

Assure your Mission Critical Environments through:

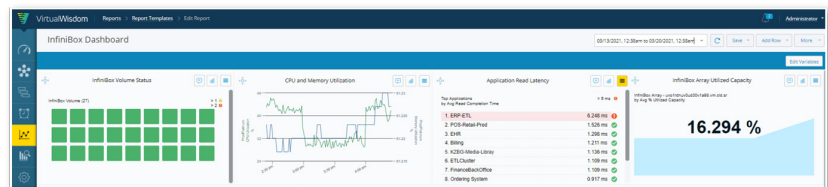
- Single pane of glass across shared infrastructure
- Discover and map application usage of InfiniBox systems
- Data driven insights based on application business value and service levels
- Out-of-the-box best practices dashboards, reports, and alarms
- Time-series database stores performance and capacity data for long-term trend analysis
- Automated investigations dramatically reduce mean time to resolution for the most challenging performance issues
- VirtualWisdom's Advanced Analytics Suite:
 - Powered by industry leading VirtualWisdom AIOps engine
 - Automated metric correlation across all infrastructure layers
 - Workload balancing optimizes performance and cost both on-premises and in the cloud
 - Predictive capacity management and forecasting
 - Seasonal trending for baselining and dynamic alert thresholding

Ensure Uptime, Availability, and Performance Across Applications Running on Infinidat

Enterprise CXOs are relying on Digital Transformation initiatives to drive competitive advantage, speed application delivery and reduce costs – whether directly through improved customer experience, or through the business insights gained from analytics and machine learning. As a result, assuring the performance of the critical data infrastructure that digital transformation initiatives rely on has never been harder or more important.

Such initiatives depend on the enterprise-class performance, guaranteed 100% availability, and multi-petabyte scalability enabled by Infinidat's InfiniBox storage systems. VirtualWisdom employs a unique application-centric approach powered by WisdomAI, the industry leading VirtualWisdom AIOps engine. This ensures you will have deep insights into performance, consumption, and overall service levels throughout your entire infrastructure stack as well as underlying InfiniBox storage arrays.

Users gain visibility into which InfiniBox resources an application is consuming, access to latency metrics at the host, volume, and application levels, and the ability to report on and see trends in replication metrics. Projecting storage capacity usage into the future, even across multiple InfiniBox arrays, becomes much simpler. Together, VirtualWisdom and InfiniBox enable organizations to get a complete perspective on Application Service Delivery by integrating health, utilization, performance, and capacity metrics from InfiniBox with additional metrics from related, interconnected infrastructure.



VirtualWisdom's embedded analytics deliver:

- Problem Identification and Remediation including Alerting and Case Management,
- Intelligent Workload Placement and Right-sizing, including proactive optimization recommendations, and
- Capacity Forecasting and Management, including predictive 'time to zero' analysis.

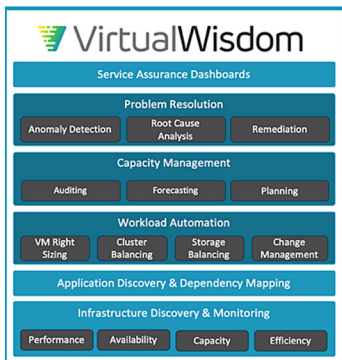
Single-pane-of-glass for Your Hybrid Infrastructure

VirtualWisdom starts by mapping InfiniBox components to the applications consuming their shared resources. This comprehensive understanding of your data supply chain provides the basis for rich dashboards that deliver visibility and control to administrators, architects, and executives.

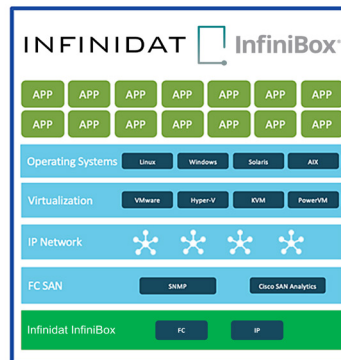
Ensure Performance: VirtualWisdom combines dynamic, automatically applied best practice and custom monitoring to assure performance and availability – in real-time, at virtually unlimited scale across storage systems, network, and compute infrastructure. Base level monitoring for Infinidat includes 200+ unique properties and metrics collected from the InfiniBox array that can be analyzed both individually against expected baseline and collectively in context of metrics or events from external systems.

Forecast and Proactively Manage Capacity: Correlate short and long-term consumption trends and be proactively warned of potential capacity problems and time-to-zero resource issues across storage, network, and compute.

Solve Problems Fast: Automatically triage, diagnose, and provide actionable resolution recommendations before your operations teams are even aware of potential impacts on critical applications.



Monitoring,
Analytics &
Automation



The VirtualWisdom Solution for Infinidat InfiniBox

- Automatically maps applications to InfiniBox
- Monitors InfiniBox internal and external KPIs
- Proactively assure performance, availability, capacity, and efficiency of InfiniBox deployments.

VirtualWisdom provides full-stack end-to-end Application Service Delivery visibility for Infinidat InfiniBox systems and protocol flows as well as the applications and servers consuming those resources. The result is comprehensive visibility and unparalleled correlation that makes identification and root cause analysis easy, even for challenging issues. VirtualWisdom assures the performance, availability, capacity, and efficiency of InfiniBox regardless of configuration or protocol.

VirtualWisdom was built from the ground up as a machine learning-powered analytics platform that goes well beyond the capabilities of traditional AIOps platforms to assure, manage, and balance workloads across InfiniBox arrays and associated infrastructure.

VirtualWisdom provides flexible licensing, out-of-the-box best practices, and ease of deployment, which provides visibility and control in minutes, not days.

Combined Value: VirtualWisdom + Infinidat InfiniBox

The combination of Virtana and Infinidat delivers a best in class integrated approach to cognition-based AIOps. Benefits include full-stack visibility with actionable insights from end user to business process and application to infrastructure, based on highly granular system-wide monitoring with a shared understanding of the entire stack. VirtualWisdom enables you to:

- Understand how and which applications are suffering performance issues from noisy neighbors or resource hogs
- Proactively manage performance sensitive workload and storage capacity at industry-leading scale
- Apply automation to quickly identify, diagnose and solve the toughest performance issues

Virtana delivers unprecedented visibility and actionable insights into the performance, health, and utilization of hybrid IT infrastructure, while Infinidat's storage solutions deliver enterprise-class performance and availability at multi-petabyte scale. Together, Virtana and Infinidat empower you to cost-effectively ensure the performance and availability of mission-critical applications running on InfiniBox storage and proactively prevent infrastructure related application slowdowns and outages.



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