

Optimizing Pure FlashArray® or Pure FlashBlade® with VirtualWisdom



Essentials

Optimize Pure Storage Environments with VirtualWisdom:

- Understand how your application workloads stress your storage resources
- Real-Time & historical performance visibility from client to LUN
- Forecast and manage capacity and utilization across ports, controllers and blades

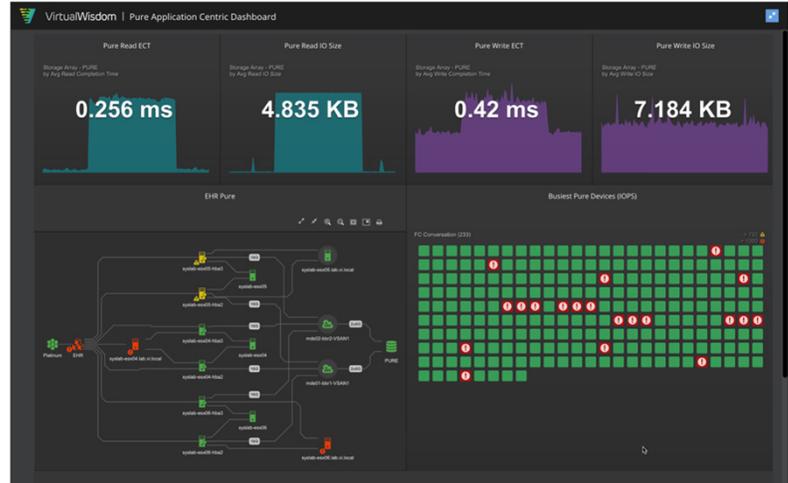
Assure your Mission Critical Environments through:

- Single pane of glass across shared infrastructure
- Discover and map application usage of FlashArray and FlashBlade systems
- Manage access to resources based on application business value and service levels
- Out-of-the-box best practices dashboards, reports and alarms
- High performance database stores performance and capacity data for long term trend analysis
- Automated Investigations dramatically reduce mean time to resolution (MTTR) of the most challenging performance issues

Optimizing Application Performance on Pure Storage

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.

A key component of these initiatives is the agility, scalability and enterprise-grade resilience enabled by Pure Storage. VirtualWisdom provides unparalleled insights and visibility into Pure FlashArray and FlashBlade deployments, while also leading the industry in assuring infrastructure and storage performance. The VirtualWisdom solution uses a unique app-centric approach that ensures deep insights into application performance, consumption and overall service levels throughout the entire infrastructure stack as well as underlying Pure Storage arrays.



VirtualWisdom is unique in the ability to map, monitor and analyze how Pure Storage supports the mission critical workloads that underpin Digital Transformation, and to do so at virtually at unlimited scale.

Single-pane-of-glass for your hybrid Infrastructure

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

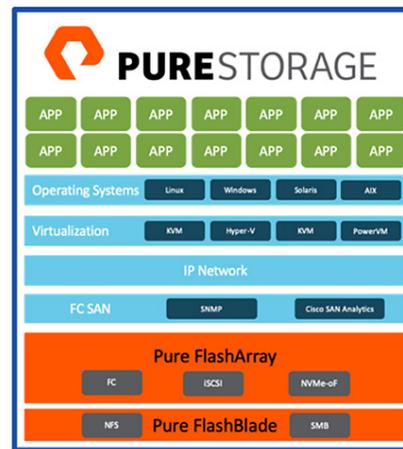
Assure Performance: VirtualWisdom combines dynamic, automatically applied best practice and custom monitoring to assure performance and availability – in real-time, at virtually unlimited scale across storage systems, network and compute infrastructure. Base level monitoring for Pure Storage system includes 100+ Metrics collected from the array. Cisco SAN analytics provide next level visibility into network infrastructure, ports and metrics. And to ensure full end-to-end application performance use VirtualWisdom’s industry leading Fibre Channel, iSCSI, NFS, and SMB wire data probes that provide 1000+ additional performance metrics unique to VirtualWisdom.

Forecast and Proactively Manage Capacity: Correlate short and long-term consumption trends and be warned proactively 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 FlashArray and FlashBlade

- Automatically maps applications to Pure FlashArray or FlashBlade
- Monitors Pure Storage KPIs (Internal & External)
- Delivers the visibility, needed to proactively assure performance, availability, capacity, and efficiency of Pure Storage deployments.

VirtualWisdom provides full-stack end-to-end visibility for Pure FlashArray and FlashBlade 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 Pure Storage 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 Pure Storage and associated infrastructure.

VirtualWisdom’s Wisdom Pack for Enterprise Storage provides flexible licensing, out of the box best practices and ease of deployment, which provides visibility and control in minutes, not days.

FlashArray, FlashBlade, and VirtualWisdom

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

Virtana is member is an inaugural member of Pure’s performance technology alliance partner program, and works closely with Pure to ensure that Virtana solutions can be deployed with confidence in Pure Storage environments.



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