VIRTUAL INSTRUMENTS

CITRIX® READY

Guarantee Citrix VDI Performance with VirtualWisdom4

VirtualWisdom's Infrastructure Performance Analytics platform ensures the success of your VDI strategy

Today's users demand access to their mission-critical applications and data anytime, anywhere. That is not an easy expectation for IT to meet. Constant technological development, combined with an ongoing explosion in data require backend systems that can effectively run these applications and manage constant updates across all levels of the enterprise.

Citrix has been developing solutions to centralize end user applications in back-end data centers since WinFrame was launched in 1995. Two key challenges have stalled the widespread adoption of the centralized approach to end user computing. The first is the inability of a user to work offline and to fully customize their environment. The second is the need to monitor, measure and guarantee the performance and availability of multiple applications simultaneously for optimal end-user experiences.

Though Application Performance Monitoring (APM) solutions monitor and measure the end-user experience in terms of application response times, they lack the detailed performance metrics required to accurately measure the responsiveness of the underlying infrastructure. VirtualWisdom4 can be used in conjunction with APM tools to correlate indicators of performance problems in VDI environments in terms of application workloads (for example, latency, port congestions, flow control).

Virtual Instruments' VirtualWisdom4 Infrastructure Performance Analytics (IPA) platform enables IT teams to drive highest performance at the optimal cost and lowest risk. With VirtualWisdom4, you can greatly increase the performance, availability and utilization of application infrastructure assets through comprehensive, end-to-end visibility and correlated analysis at the protocol level. VirtualWisdom4 is the ideal platform for validating all flash array storage technologies that are recommended for VDI deployments. By correlating and analyzing system-wide data, IT teams can proactively address performance problems as they

> " *By taking part in our program, Virtual Instruments has enabled its customers to obtain the highest quality user experience available today, and the simplest means for making an informed product purchasing selection.* "
>
> **Greg Fox**
> DIRECTOR, CITRIX READY PROGRAM, CITRIX

KEY FEATURES

- End-to-end visibility
- Proactive performance and availability management
- Optimize VDI infrastructure costs
- True infrastructure performance metrics
- Double application infrastructure performance
- Decrease unplanned downtime 95%
- Reduce the number of "Sev1" outages by 99%
- Achieve 80% infrastructure utilization

occur—and identify emergent issues before they become problems. This includes sending immediate alerts of any health and utilization issues threatening the latency of virtualized workloads.

The VirtualWisdom4 IPA platform consists of fully integrated hardware and software probes that feed system-wide data into the VirtualWisdom Platform Appliance, where it is correlated trended and analyzed—delivering a highly accurate understanding of what is happening, and what will happen—as well as identifying where optimizations and efficiencies can occur.

VirtualWisdom4 helps to greatly minimize the effects of network congestion, enabling XenDesktop components to be more highly responsive and utilized without risk of impacting performance. It provides an excellent solution to key challenges faced by IT performance teams supporting virtual desktop environments. First, it enables the ability for users to work off-line, and fully customize their environment. Second, it enables accurate and definitive monitoring and management of end-to-end application performance—which is critical for meeting service levels and guaranteeing positive end user experiences.

Solution Features and Benefits

- Gain end-to-end visibility into I/O profiles of VDI deployments, identify root causes and bottlenecks, and ensure optimal desktop performance.

- Proactively manage performance and availability by correlating sytem-wide data to expertly address problems as they occur—and identify issues before they become problems.

- Optimize VDI infrastructure costs by leveraging definitive I/O data that can help enable optimal load-balancing and consolidation—and make right-sizing decisions with confidence.

- Reduce latency and improve responsiveness by monitoring and measuring the complete I/O path of the application and identifying where performance gains and efficiencies can occur.

VirtualWisdom4 provides the real-time, system-wide metrics required for accurate monitoring and understanding of the health, utilization and performance of the underlying application infrastructure. This empowers IT teams with the definitive insights required for agile performance, availability and cost management to ensure successful VDI implementations.
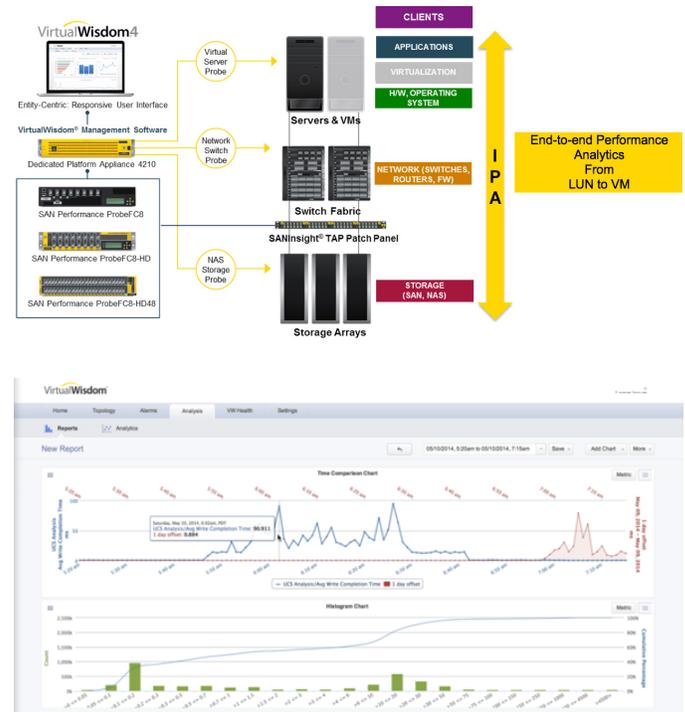

Figure 1. VirtualWisdom4 empowers IT performance teams with the definitive insights required for agile performance, availability and cost management to ensure successful VDI implementations.

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