Guaranteeing Performance for Microsoft SQL Server with VirtualWisdom4

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.

Microsoft SQL server allows customers to manage explosive data growth and run both mission-critical applications and Big Data solutions using high-performance, in-memory technology across OLTP, data warehousing, business intelligence and analytics workloads. IT teams must ensure that SQL environments deliver the highest performance and availability for these application workloads at all times. Unfortunately, most management and monitoring approaches completely obscure real-time visibility into application I/O, are vendor-specific and therefore biased, and don't provide the required end-to-end view for understanding true performance. This severely impacts the ability to accelerate deployment and adoption of new technologies.

Virtual Instruments' VirtualWidsom4 Infrastructure Performance Analytics (IPA) platform can help optimize the performance of mission critical applications that run on Microsoft SQL server by providing definitive and continuous, real-time measurement and monitoring of performance, health and utilization across VM, server, network and storage. It helps IT teams ensure the performance and availability of application infrastructures running Microsoft SQL server by providing comprehensive visibility and definitive insight across the entire open-systems stack.

Market leaders in every industry and government agency across the globe trust and rely on VirtualWisdom to drive the highest performance at the optimal cost and lowest risk. This includes leaders in healthcare, insurance, telecommunications, manufacturing, utilities,

Microsoft Partner
Gold Application Development

VI's time to detection and resolution is incredibly valuable. I don't want to understate that. The level of detail that we can get - there is just no other product out there that I'm aware of that can give us that granularity.

Steve Atrosh
LEAD OPERATIONS AND ENGINEERING, MICROSOFT

KEY FEATURES

- Real-time, unbiased performance management

- End-to-end, system-wide health, utilization and performance management

- Out-of-band, agentless and non-intrusive data collection methodologies

- Advanced analytics that provide answers, not raw data

- Heterogeneous, unbiased protocol-level analysis and data correlation

- Double application infrastructure performance

- Decrease unplanned downtime by 99%

- Reduce the number of "Sev1" outages by 99%

- Achieve 80% infrastructure utilization

logistics, banking and finance and federal, state and local government agencies. The common thread among all of our customers is the mission-critical nature of their application infrastructure workloads.
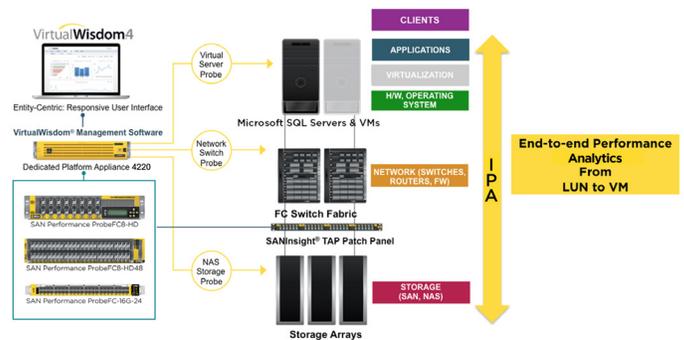
The VirtualWisdom4 IPA platform consists of fully integrated hardware and software probes that feed system-wide data into the VirtualWisdom Platform Appliance, where it is correlated trended and analyzed—delivering a highly accurate understanding of what is happening, and what will happen—as well as identifying where optimizations and efficiencies can occur.

Solution Features and Benefits

- Increase SQL Server workloads with trended utilization monitoring.

- Immediately correlate underlying infrastructure issues to SQL response time.

- Quickly and accurately identify opportunities to improve performance, reduce cost and risk using current and historical trend analysis.

- Eliminate overhead and latency by using an out-of-band solution with zero use of agents or additional software.

- Greatly enhance SQL Performance Monitor data with correlated wire data analytics from the storage infrastructure.

- Eliminate the 5-30 minute gaps in performance data caused by other tools.

- Quickly and accurately identify and isolate SQL Server performance issues and differentiate from overall application infrastructure-issues (example: index rebuilds, DBCC, CHECKDB).

VirtualWisdom4 provides real-time, system-wide metrics to optimize the health, utilization, and performance of the underlying servers, switching, and storage infrastructure components. This empowers IT organizations with the detailed visibility, performance management, and cost optimization insights required to guarantee successful Microsoft SQL Server implementations.