VirtualWisdom for U.S. Federal Applications

Essentials
With VirtualWisdom:

- Speed problem resolution: With immediately actionable, real-time data-driven AI-powered recommendations

- Ensure resource availability: AI and trend-based predictive capacity management helps organizations to avoid capacity-driven problems before they can happen

- Automate workload optimization: Real-time, AI-driven workload optimization recommendations based on real-world experience preventing downtime keep applications operating within SLAs, and without breaking the budget

Uniquely well suited to the needs of Federal agencies:

- Common Criteria certified
- No SaaS application connections required
- A single pane of glass across shared infrastructure
- Automatically discover, set metrics and map full application topologies
- Manage access to resources based on application criticality and service level requirements
- Out-the-box best practices dashboards, reports and alarms
- Long-term, highly granular data for the best results
- Automated Investigations dramatically reduce mean time to resolution (MTTR) of tough performance issues

AI-powered hybrid monitoring, performance assurance and infrastructure management for mission-critical applications

Today's mission-critical hybrid applications combine resources in public clouds, with physical or virtual resources residing in private data centers. For these mission-critical workloads, operating at web-scale while also managing cost, performance, and capacity has never been more complex or urgent.

To gain the operational control and insights that deliver efficient, cost-effective operation, organizations need real-time visibility, automated discovery, AI-powered analytics, workload automation, and immediate access to best-practice solutions for proactively solving infrastructure-related operational challenges for critical applications.

These digitally transformative applications are data-driven and demand ever-increasing capacity. Predicting and planning for these needs is critical, as simply adding resources isn't a viable answer to availability and responsiveness. Continuously reclaiming and balancing existing resource use must be paired with the deployment of new capacity.

VirtualWisdom is unique in the ability to meet these needs with a powerful, application-centric approach. With VirtualWisdom, automatically map, monitor, analyze, and optimize complete application infrastructure sets to support the mission-critical workloads that underpin digital transformation and modernization efforts, and at virtually unlimited scale.

Single-pane-of-glass for your Hybrid Infrastructure

This comprehensive understanding of the data supply chain provides the basis for rich dashboards that deliver visibility and control to administrators, architects, and executives across cloud and on-premises, hosted or co-located infrastructure.

Key Features

The right analytic for the right problem

Eleven AI and statistically-based analytics are purpose-built to help resolve problems quickly, optimize workloads, and manage capacity with an application-centric focus.

- **Problem resolution analytics:** Event Advisor, Trend Matcher, Seasonal Trends

- **Capacity management analytics:** VM Deployment Advisor, Capacity Forecaster, Capacity Auditor

- **Workload automation analytics:** Placement Advisor, VM Coordinator, VM Right-Sizer, Port Coordinator, Balance Finder, Queue Solver

Runbooks and Collaboration

For effective IT operations, changes and activities need to follow a set of steps for consistency and efficiency. VirtualWisdom provides runbook and collaboration capabilities that take our customers through step-by-step approaches to solving problems. Runbooks are collaborative, encouraging users to work across silos with their colleagues to resolve issues. VirtualWisdom breaks down silos and provides a single source of truth across infrastructure teams.

Auto-applied thresholds, alarms, and auto-investigated incident management

VirtualWisdom provides best practice alarms for all monitored data sources. Noise is dramatically reduced through our utilization of cases, which automatically deduplicate individual threshold violations. Through cases, users can leverage the VirtualWisdom investigation framework, which uses the platform's analytic capabilities to resolve problems automatically.

Auto-generated Dashboards and Reports

Built-in dashboards and reports enable you to visualize the performance, availability, capacity, and efficiency of your infrastructure in the context of your applications. They are customizable for any persona, from the executive level to the architect, engineer, application owner, or operator.

Auto-discover application and infrastructure topology

VirtualWisdom automatically maps, generates and displays detailed topology maps of your entire infrastructure in the context of your applications. Integration with industry-leading APM & CMDB vendors enriches the topology using known application mappings.

Sample VirtualWisdom Federal Solution Bundles

Small environment
- **VirtualWisdom Virtual Edition** appliance
- **Quantity 50 - WisdomPack for Operating Systems** – Supports Windows, Linux, and Solaris – 1 OS host per license except for Solaris, which requires 2 licenses required per host. (Includes 5 NetFlow endpoints per license)
- **Quantity 160 - WisdomPacks for Storage Area Networks (SAN)** – Each license supports monitoring a single fibre channel switch port connection

- **Quantity 24 - WisdomPack for Virtualization** – Supports VMware, Microsoft HyperV, Red Hat KVM and IBM PowerVM – 1 virtual host per license except for KVM (3 virtual hosts per license) (includes 50 NetFlow endpoints per license)

- **Quantity 2 - WisdomPacks for Enterprise Storage** – Licensed by the number of controllers, engines, or nodes in a traditional storage array such as a SAN or NAS device. The entitlement ratio varies by Array or Filer type

Medium environment
- VirtualWisdom Virtual Edition appliance
- Quantity 720 - WisdomPack for Operating Systems
- Quantity 320 - WisdomPacks for Storage Area Networks

- Quantity 72 - WisdomPack for Virtualization
- Quantity 2 - WisdomPack for Enterprise Storage

Large environment
- VirtualWisdom Virtual Edition appliance
- Quantity 1440 - WisdomPack for Operating Systems
- Quantity 640 - WisdomPacks for Storage Area Networks

- Quantity 230 - WisdomPack for Virtualization
- Quantity 4 - WisdomPack for Enterprise Storage

Learn more about VirtualWisdom | **Contact** a Virtana Expert | **View** more Resources

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