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# Virtana Hybrid Observability for U.S. Federal Applications

## Essentials

### With Virtana:

> **Speed problem resolution:**
With immediately actionable, realtime data-driven AI-powered recommendations

> **Ensure resource availability:**
AI and trend-based predictive capacity management helps organizations to avoid capacitydriven 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 observability 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, costeffective operation, organizations need real-time visibility, automated discovery, AI-powered analytics, workload automation, and immediate access to best-practice solutions for proactively solving infrastructurerelated 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.

Virtana is unique in the ability to meet these needs with a powerful, application-centric approach. Automatically discover, 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.

## Deep Observability 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
Embedded 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:** automatically correlate entities, metrics, and trends to identify root cause
> **Capacity management analytics:** Praactively plan capacity and avoid the problems that come from running short on capacity
> **Workload automation analytics:** Keep workloads and infrastructure balanced

### Runbooks and Collaboration
For effective IT operations, changes and activities need to follow a set of steps for consistency and efficiency. Virtana 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. Virtana breaks down silos and provides a single source of truth across infrastructure teams.

### Event Intelligence and AIOps
Virtana provides best practice alerts for all monitored data sources. Noise is dramatically reduced through automatically deduplication of alerts. A robust governance policy framework lets you resolve issues 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
Virtana automatically discovers, maps, generates and displays detailed topology maps of your entire infrastructure in the context of your applications. Integration with industryleading APM & CMDB vendors enriches the topology using known application mappings.

**Built-in dashboards and reports** enable you to visualize the performance, availability, capacity, and efficiency of your infrastructure in the context of your applications.

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