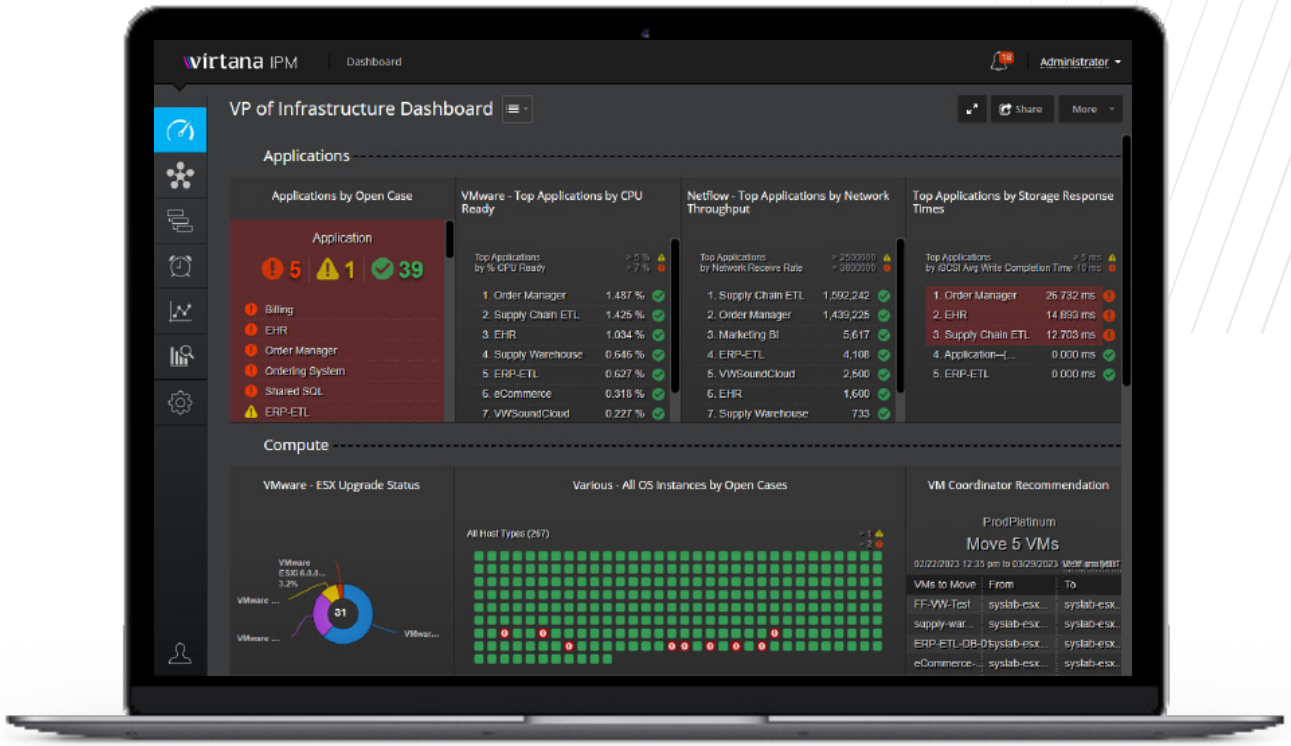
Solution Brief

virtana

Infrastructure Monitoring

Hybrid Infrastructure Monitoring for Full-Stack Observability Using AI-Powered Analytics



Virtana Infrastructure Monitoring provides an application-centric view of the health of your entire hybrid infrastructure

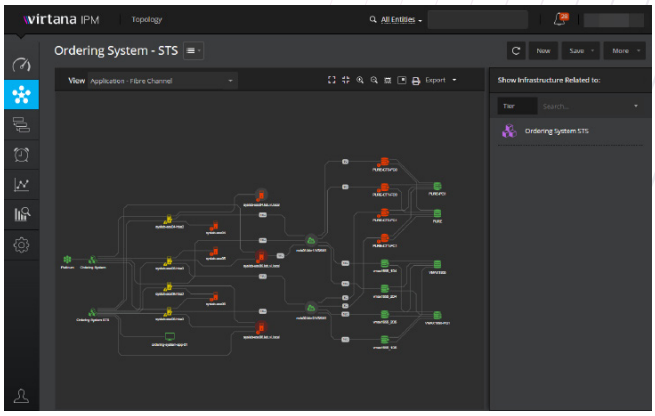
Digital Transformation is fundamental to driving competitive advantage, whether it's through improved customer experience or more actionable business insights gained from analytics and machine learning. As a result, assuring the performance and accessibility of critical data infrastructure has never been more important.

Virtana wants our customer's digital transformations to be successful. To foster that success, we offer the Virtana Infrastructure Monitoring and AI-powered analytics platform which provides:

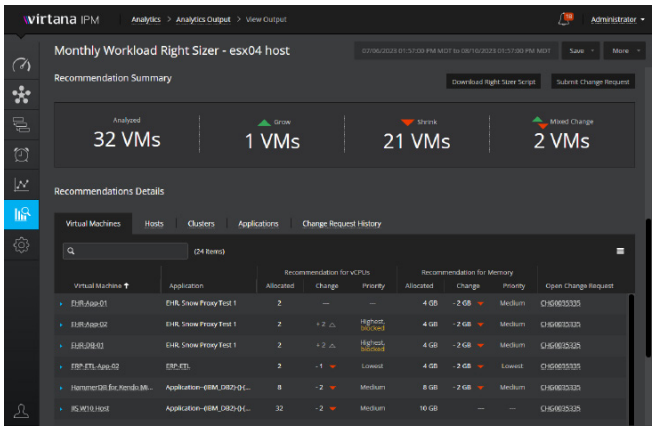
- Revenue protection by eliminating outages and dramatically reducing business-impacting application slowdowns
- Better IT asset efficiency through more intelligent infrastructure utilization and workload placement that balances performance and cost
- IT operational efficiency through much faster MTTR, streamlined capacity management, and automated workload balancing

Faster Problem Resolution

- Speed problem resolution across your hybrid environment
- Access powerful AI-based analytics to radically simplify problem remediation
- Benefit from a unified, collaborative workflow across infrastructure services
- Take advantage of app-centric analytics dedicated to problem resolution
- Leverage AIOps to streamline and automate remediation



Virtana Infrastructure Monitoring provides an application-centric topology view and correlation to simplify problem root cause analysis



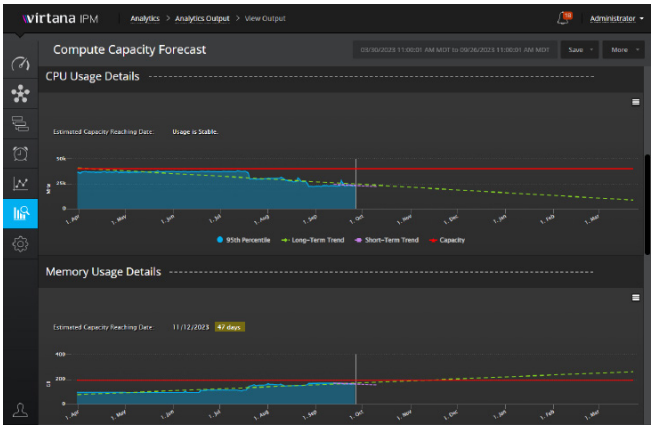
Virtana Infrastructure Monitoring provides recommendations on how to re-balance your infrastructure to optimize costs and ensure performance

Workload Automation

- Continuously optimize your workloads and infrastructure services
- Enable your teams to act on AI-driven optimization recommendations in real time
- Leverage workload balancing across compute, network and storage
- Count on automated recommendation engines to maintain smooth operations
- Easily integrate downstream execution with your ITSM governance policies

Capacity and Cost Management

- Deliver agile infrastructure that's automatically aligned to workload requirements
- Forecast capacity needs for all apps and services across your hybrid infrastructure
- Get optimal capacity forecasts based on the industry's best insights into workload behavior
- Optimize capacity planning globally — from a single screen
- Configure intelligent capacity alarms according to your preferences



Virtana Infrastructure Monitoring enables you to forecast capacity needs across your entire infrastructure

Full-stack Infrastructure Monitoring

Data Sources and Ecosystem Integrations

Infrastructure Monitoring provides a full-stack end-to-end visibility of your hybrid infrastructure and the applications consuming those resources. This provides comprehensive visibility and unparalleled correlation that makes identification and root cause analysis easy, even for challenging issues. Virtana Infrastructure Monitoring is a vendor Independent and protocol agnostic monitoring and analytics platform, so we can optimize the performance, availability and utilization of your environment today and well into the future.

Our WisdomPacks, which are sets of software-based data collectors specific to a deployment environment, provide flexibility, out of the box best practices, ease of deployment, and deep visibility to empower your with actionable Insight in minutes, not days.

Using WisdomPacks, we monitor, analyze, optimize, and recommend based on data collected from a wide variety of infrastructure sources, including:

- Cloud Compute
- On-Prem Compute & Virtualization
- Hyperconverged Infrastructures (HCI)
- Storage Arrays and Storage Networks
- IP Networks

In addition, our performances probes gather wire data from Fibre channel and IP network-attached storage environments. Performance probes enable true real-time visibility — seeing every conversation on the wire. This is a level of deep infrastructure visibility that is unmatched in the industry.

Virtana Infrastructure Monitoring empowers your automation ecosystem by integrating with ServiceNow® incident, change, configuration management processes (including CMDB), while reconciling application understanding from its own infrastructure discovery and application mapping with APM platforms like AppDynamics and Dynatrace.

Application and Infrastructure Topology

Infrastructure Monitoring enables you to visualize the topology of your entire infrastructure in the context of your applications. This is based on our own ability to automatically discover and map infrastructure and applications. We also integrate with industry leading APM & CMDB vendors to enrich our own topology knowledge.

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.

Analytics

Analytics in Infrastructure Monitoring are purpose-built to help you be more effective in resolving problems, optimizing workloads, and managing capacity.

For example:

- Event Advisor detects anomalies across your infrastructure, prioritized by business impact. Use Trend Matcher to correlate anomalies to other related activity in your environment to drive root cause analysis.
- Capacity Forecast analyzes usage data for compute, storage and network infrastructure elements to prevent capacity-driven problems before they can occur.
- Capacity Auditor provides mission-critical applications with predictive, global, capacity management across hybrid and cross-vendor storage environments to ensure availability and performance.
- VM Coordinator, VM Deployment Advisor, and Workload RightSizer help you optimize compute workloads by rebalancing clusters, optimizing initial deployments, or resizing workloads based on changes in application needs.

Alarms and Incident Management

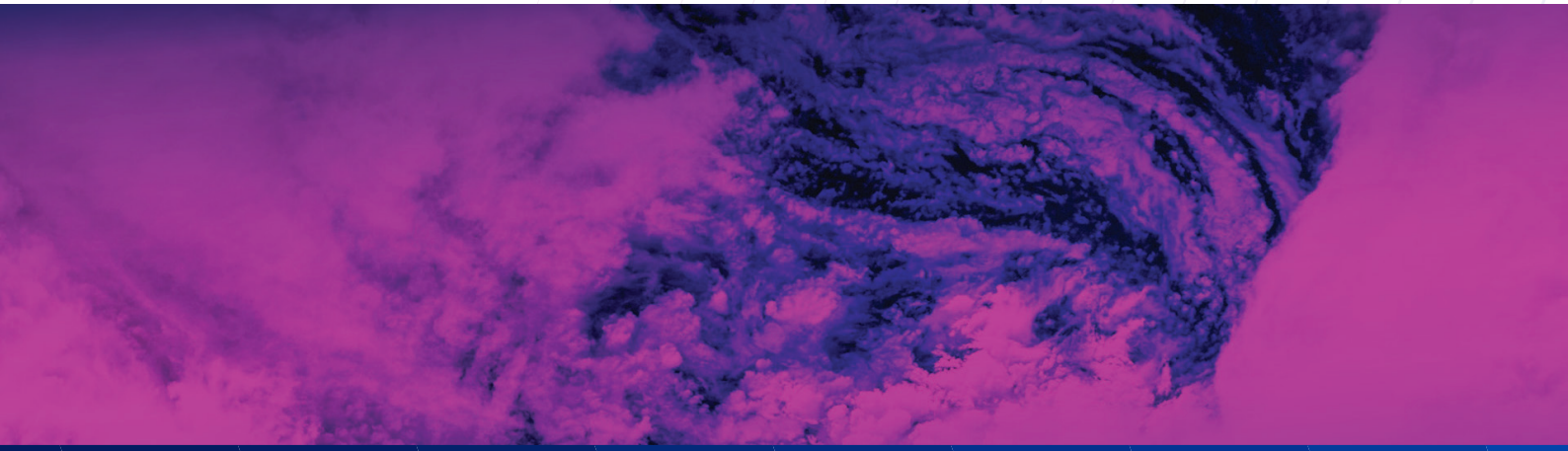
Best practice alarms are provided by Infrastructure Monitoring for all monitored data sources. Noise is dramatically reduced through our utilization of cases, which automatically deduplicate individual threshold violations. Through cases users can leverage the Infrastructure Monitoring investigation framework, which use the platform's analytic capabilities to automatically resolve problems.

Runbooks and Collaboration

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

Take the Next Step

Request a demo today of the Virtana Infrastructure Monitoring solution at https://www.virtana.com



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