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Virtana Infrastructure Monitoring AppDynamics Integration

Key Challenges Addressed

Both AppDynamics and Virtana Infrastructure Monitoring use artificial intelligence and machine learning to deliver actionable insights but for complementary areas of your datacenter estate.

- Focus on the shared infrastructure supporting key applications

- Identify noisy neighbors using underlying shared infrastructure

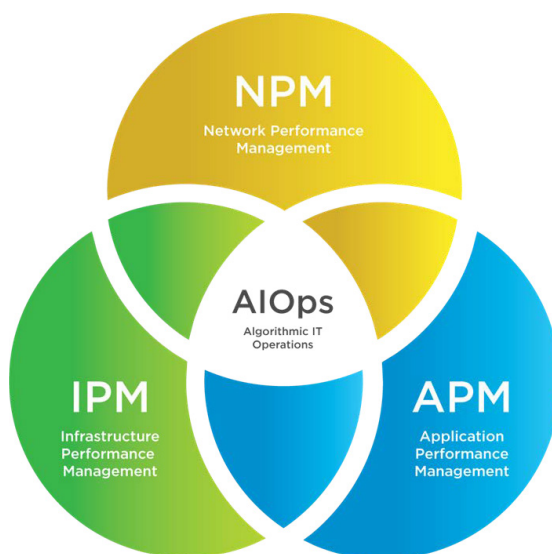- Integrate closely with and complement core competencies of AppDynamics

Key Functionality

- Virtana Infrastructure Monitoring retrieves health rule violations (events) from AppDynamics

- Every application I/O conversation is monitored at linerate on the underlying network infrastructure.

- Virtana Infrastructure Monitoring is an AIOps based Infrastructure Monitoring platform that uses machine learning based analytics to deliver correlation of big data at scale.

Single pane of glass agentless monitoring for Enterprise Infrastructure

AppDynamics and Virtana Infrastructure Monitoring are the perfect match for making applications and infrastructure perform better together as one complements the strengths of the other. AppDynamics is the market leading Application Monitoring product and Virtana Infrastructure Monitoring is the industry's leading hybrid Infrastructure Monitoring platform. Both solutions offer superior AIOps capabilities.

Virtana Infrastructure Monitoring takes an application-centric approach to understanding and measuring infrastructure performance leveraging its integration to AppDynamics and native application discovery and mapping to understand how all applications use the underlying shared infrastructure. Together, the combined platforms enable IT management to proactively balance infrastructure resources and prevent slowdowns and outages.
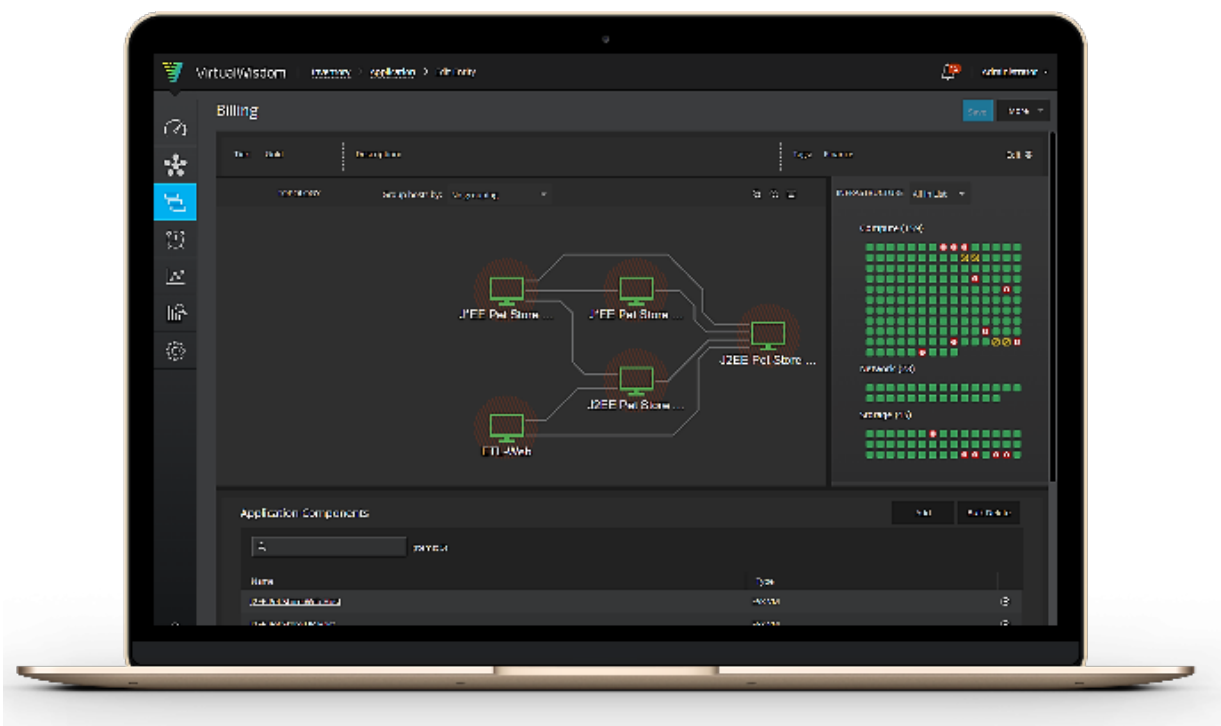
In addition to a shared understanding of applications, Virtana Infrastructure Monitoring correlates AppDynamics Health Rule Violations to the infrastructure root cause analysis. Virtana Infrastructure Monitoring is unique in its ability to detect contention issues in infrastructure and correlate them to applications which may or may not be instrumented by AppDynamics. This provides total visibility, eliminates gaps and ensures that both Virtana Infrastructure Monitoring and AppDynamics work in tandem making it easier for applications and infrastructure teams to collaborate.
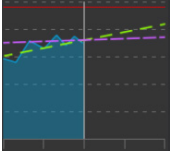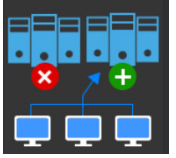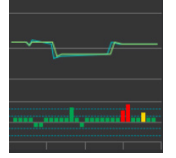
The Virtana Infrastructure Monitoring application-centric approach powers the WisdomAI analytics engine which is at the heart of everything from cross-domain correlation and topology, to determining application business criticality when faced with resource contention. It also simplifies management using a tier-based approach with tiers like platinum, gold and silver.

Virtana Infrastructure Monitoring provides comprehensive insight into your hybrid infrastructure by combining visibility into storage wire data, NetFlow, hypervisors, enterprise storage, software defined storage, servers both on- premise and in the public cloud. For every category of infrastructure, Virtana Infrastructure Monitoring provides WisdomPacks that include discovery, monitoring, alerting, investigations and reports needed to support specific infrastructure elements. Deploying a Virtana Infrastructure Monitoring Integration enables collection of additional metric data from the systems supported by the integration, and provides deep insight into the health, utilization and performance of the infrastructure supporting your applications.

The discovery and monitoring capabilities are empowered by the Virtana Infrastructure Monitoring AI analytics engine. This engine provides analytics that can triage and diagnose specific issues and

Virtana Infrastructure

Discovery and Mapping	Workload Deployment	Workload Balancing	Anomaly Detection
Understands where the applications are deployed, their business importance, how they utilize infrastructure, real-time service levels, and changes.	Plan future application workload deployment. Proactively measure capacity usage, and predict when your servers, storage and SAN will reach exhaustion.	Proactively and continuously balance workloads across your virtualized servers, HBAs and storage ports. Analyze workloads and perform what-if analysis in the lab.	Automatically eliminates noisy alarms, correlates and ranks potential root causes, tracks resolution status, and makes actionable recommendations for problem resolution.
Key Features	**Key Features**	**Key Features**	**Key Features**
- Proactive app and infrastructure dashboards - Application impact Seasonal behavior analysis - Application path optimization - Application-tier based policies - Application discovery and mapping - APM and CMDB integration	- Capacity and utilization dashboards - Capacity forecasting for compute, network and storage - Predictive time-to-zero analysis for existing capacity - Plan future application workload deployments based on existing workload profiles	- Proactive workload balancing recommendations - Workload analysis - VM coordination and placement - Network path and queue optimization - Storage Array front-end port balancing	- Automatic alarm noise reduction - Anomaly detection - Trend and pattern matching - Cross-domain correlation - Automated and guided analytic runbook-based investigations - Collaborative discussions and status tracking

In conclusion, Virtana Infrastructure Monitoring from Virtana tag teams with AppDynamics APM from Cisco to ensure that you have visibility into the entire stack from the application on bare-metal or virtual servers down to the storage LUN. The use of AIOps and machine learning combined with the complementary nature of both products ensures that identifying infrastructure issues impacting critical applications is a seamless process. This helps you meet SLAs of business-critical applications and empowers your digital transformation initiatives.