

What's New in VirtualWisdom 5.4 & 5.6

Application Service Assurance | Workload Infrastructure Balancing | Problem Resolution and Remediation

The ongoing requirements for our enterprise customers continually drives the direction, scalability, and efficacy of our industry-leading Application-centric infrastructure performance management (App-centric IPM) platform. With the releases of VirtualWisdom 5.4 and 5.6, every IT persona receives customized dashboards to see just what is relevant to you and your specific teams.

Upgrading to the latest VirtualWisdom provides application and infrastructure discovery through deep partner integrations using standard protocols and APIs. A combination of cross-correlated self-learning analytics and wire data acquisition exposes your issues in real-time through management-level and in-the-trenches dashboards and reporting. No agents – ever. And, expansions to our performance-focused Big Data analytics suite gives you greater proactive and predictive management capabilities—allowing you to benefit from the collective best practices of enterprise IT leaders across every industry.

Key Enhancements in VirtualWisdom 5.4/ 5.6

Application Discovery

Auto-discover and visualize key application services using standard interfaces, including ServiceNow integration, NetFlow analysis, and host integration using SSH or WMI. Robust flexibility allows infrastructure owners to use any of these application discovery integrations or combinations of any depending on specific customer environments.

- Integration with App Dynamics both on-prem and in the cloud, in VW 5.6
- Integration with ServiceNow's CMDB
- Application flow discovery via NetFlow
- Process table polling with SSH/WMI

App-centric SLAs and Alarms

Setting thresholds and alarming is too cumbersome to manually do. VirtualWisdom offers over 30 preconfigured

alarms (with thresholds derived from years of infrastructure experience) out of the box, to avoid the tedium of alarm configuration.

And a monitoring system that only warns you of device trouble is no longer good enough. Previously, customers were used to setting alarms by devices, like switch ports, which assumed that all devices support identical applications. With VirtualWisdom, you can now set alarms at the application level, by tier. So, your tier 0 alarms may have different settings than other tiers, and VirtualWisdom figures out the devices along the data path that the tier uses.

Now, you can visualize the infrastructure services supporting all your tiered apps from Bronze to Platinum via:

- Application tiers
- Tier-based alarming
- Default thresholds for all tiers

Investigations

With VirtualWisdom Investigations, users are not only shown the error and what it impacts, but also integrated remediation steps built into the platform itself, and relevant data within the Investigation, to accelerate problem resolution. You can now much more easily improve application response times, before they impact your business apps.

Enhanced Reports/Dashboard

VirtualWisdom provides an intuitive summary view of the overall health, performance, and utilization of the entire infrastructure enabling quick determination of problem areas and directional trends. It displays side-by-side KPI and infrastructure metrics and delivers fast ROI from multiple pre-set shareable dashboards and reports.

IT experts and novice users alike now have customizable views of their environment available through our dashboard widgets.

New Visualizations include:

- Inventory heatmap
- Single stat and summary charts
- KPI percentile lists

New Data Sources

VirtualWisdom offers direct technology integration to a variety of infrastructure devices and third-party platforms. From Gigamon and Cisco to ServiceNow, our partners share a common vision around the need for an App-centric approach to the management of data center infrastructure. Customers can choose the data sources and integrations that are most relevant to their business. New data sources include:

- VirtualWisdom 5.6 seamlessly receives streamed monitoring data from Cisco's MDS 9700 32G Module, which offers built-in telemetry sensors for efficient streaming data collection in SAN environments, without TAPs
- ProbeNAS now supports monitoring NFS and SMB protocols at the same time
- Integration with VMware vSAN
- Integration with EMC ScaleIO
- Integration with NetFlow data (NetFlow, jFlow, sFlow, IPFIX)
- Expanded FC-switch integration (ProbeSW) to include FCoE metrics

New Analytic - Storage Port Balancer

Identifies overloaded storage ports and makes HBA/Host move suggestions that rebalances the front-end ports of a Fibre Channel storage array.

- Identifies and resolves underutilized and overutilized storage ports
- Enables you to identify a storage array, and a time range to examine
- Determines utilization levels for each of the storage ports
- Uses user-defined thresholds for over or under utilization

- Examines which hosts are using the overused ports, and lists moves (zoning, mapping/masking) that will better balance the storage array

New Landing Pages

Enhanced and easy-to-use navigation provides powerful access to the information that your infrastructure and IT workflows demand.

- Integrations (Application, Hosts, VMs, Switches and Storage)
- Inventory (includes Entity Management)
- Reports (Nested folders, hot reports)
- Alarms (categories) and Investigations that offer a guided approach to resolving problems

New Topologies

Our new Topologies, including views from an application perspective or infrastructure perspective, provide high-level summaries of what is going on in your infrastructure, allowing you to quickly identify emergent issues, and enabling you to understand the impacts and interdependencies between application workloads and infrastructure.

- Visualizes the infrastructure as a system of related entities
- Groups infrastructure entities logically that support application or line of business
- Understands granular performance at an infrastructure entity level
- Identifies alarms and abnormal behavior and in the context of the application the infrastructure support

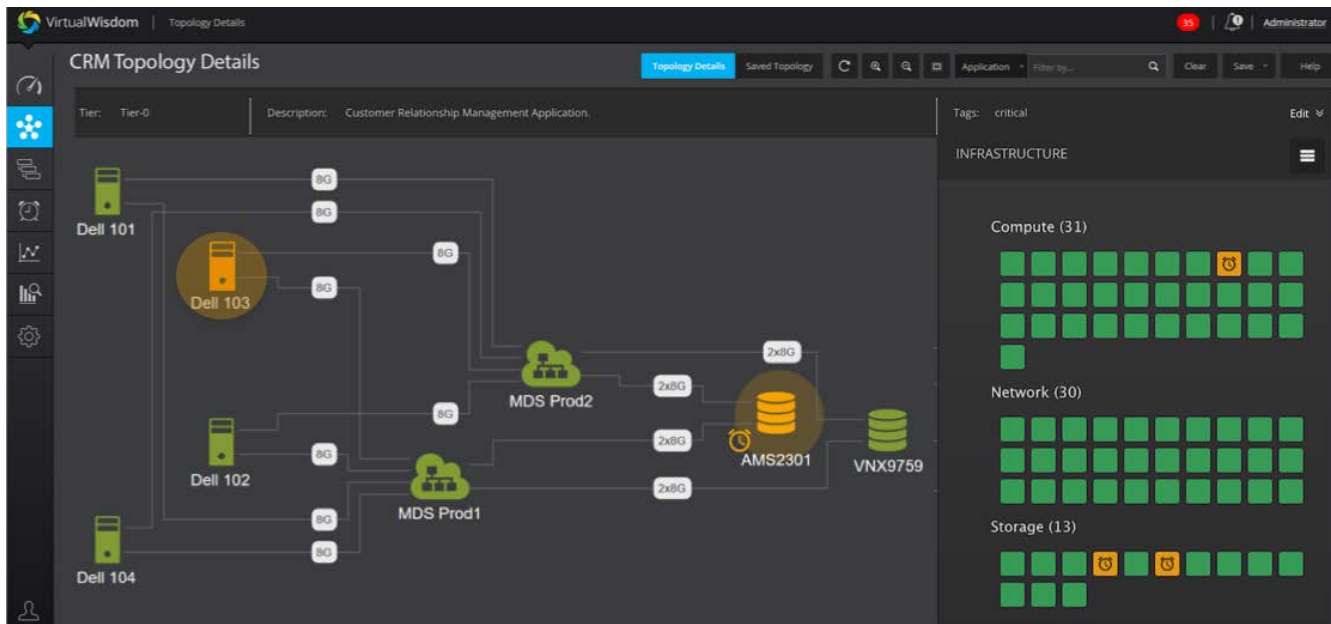


Figure 1: Intelligent Topology Provides Visualization of Application, Infrastructure and storage Health.



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