

# VMware vRealize Operations Manager Event Injection

SIOS iQ enables VMware vRealize Operations Manager 6.0 (vROps) to display a variety of key information and recommendations, including: high availability cluster health; host-based caching configuration recommendations; undersized VMs; and idle resources including snapshot and VM sprawl. SIOS iQ gives vROps users precise identification of performance issues, such as “noisy neighbors,” hardware degradation, and slow application performance and provides specific recommendations for remediation.

Enterprises are running important business operations in VMware vSphere 6.0 and using vRealize Operations Manager (vROps) 6.0 to manage and maintain efficient operations.

## The Challenge

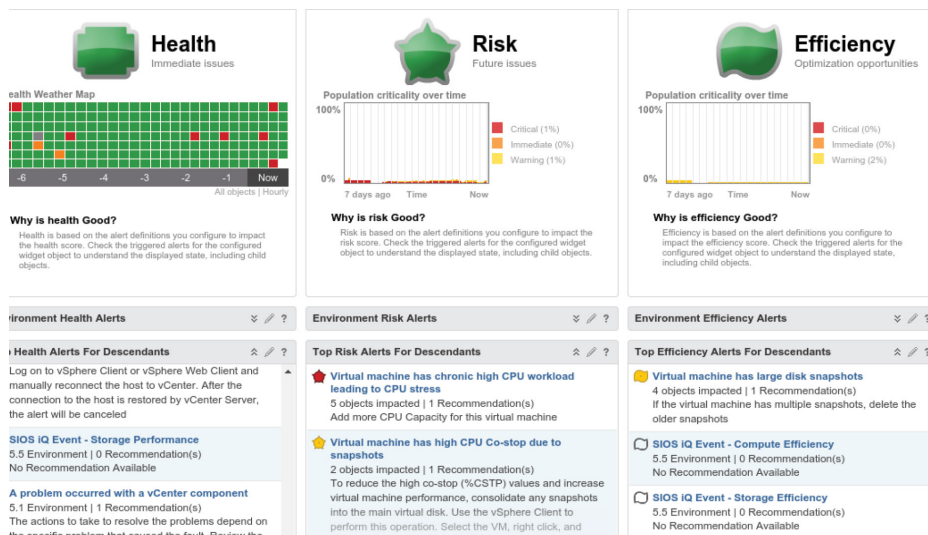
When an issue such as poor application performance arises, you can see it on the vROps dashboard but it is buried among thousands of other notifications and alarms. vROps does not provide real-time analysis of your VMware environment nor answers important questions: what else is affected; what the root cause is, nor how to resolve it.

Trying to extract meaning from vROps alert storms is time-consuming, difficult, and costly. vROps generates alerts based on fixed and

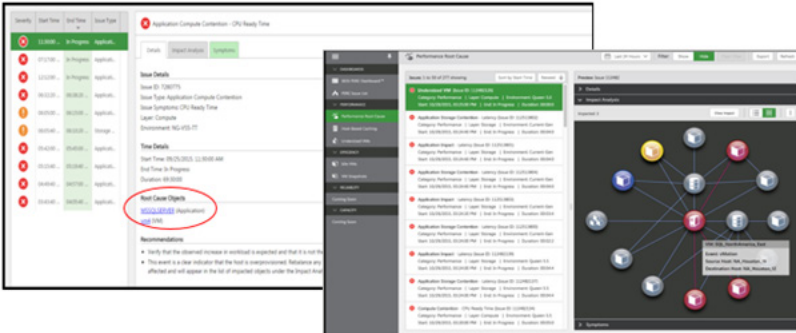
dynamic thresholds that do not work well in continuously changing and highly interrelated virtualized environments. Fixed thresholds require manual setup and ongoing manual adjustment with every change in configuration or workload. Dynamic thresholds are based on averaged statistical data that do not capture the dynamics of workload behavior or their impact on the infrastructure based on the day, week, or month of the year.

## SIOS iQ: A Simple, Intelligent Solution

SIOS iQ integrates seamlessly with vROps and uses machine learning technology to teach itself about the behavior of interrelated objects in your VMware environment. It eliminates the inaccuracy and alert storms caused by threshold-based tools such as vROps.



SIOS iQ enhances the vROps dashboard by providing root causes of performance issues and recommendations for resolving them.



SIOS iQ provides a topological map of the VMware infrastructure through its touch enabled SIOS iQ Dashboard. In one click, it provides the root cause of issues and recommendations for resolving them.

Patented vGraph™ technology in SIOS iQ automatically discovers and analyzes complex and hidden relationships and patterns of behavior among all of the objects in your infrastructure. Its machine learning engine uses this information to find anomalies, derive the root causes of anomalies, and provide specific, accurate recommendation for fixing the problem.

### SIOS PERC Dashboard

SIOS iQ delivers critical information and recommendations through the vROps Environmental Health panels. For example, with SIOS iQ integrated, the vROps dashboard displays three categories of data extracted from SIOS iQ application performance root cause analysis:

- Environment Health—The current state of the infrastructure and immediate issues that need to be addressed.
- Environment Risks—Future issues and recommendations for resolution.
- Environment Efficiency—Opportunities for optimization - snapshot waste and idle VM analysis.

You can drill down further for a touch-enabled topological diagram of your infrastructure and view the unique SIOS PERC Dashboard™ which presents key information about your infrastructure organized by four key service level characteristics: performance, efficiency, reliability, and capacity utilization.

SIOS iQ enhances vROps to provide a simple, intelligent way to meet application service levels and eliminate wasted VM resources.

### About SIOS

SIOS Technology Corp. makes software products that provide the insights and guidance IT managers need to manage and protect business critical applications in large, complex data centers. SIOS iQ is a machine learning analytics software tool that helps IT managers optimize performance, efficiency, reliability, and capacity utilization in VMware environments. SIOS SAN and SANLess software is an essential part of any cluster solution that provides the flexibility to build Clusters Your Way™ to protect your choice of Windows or Linux environment in any configuration (or combination) of physical, virtual and cloud (public, private, and hybrid) without sacrificing performance or availability.

Founded in 1999, SIOS Technology Corp. (<http://us.sios.com>) is headquartered in San Mateo, California, and has offices throughout the United States, United Kingdom and Japan.

