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Virtana + Dell Technologies Live Optics Comprehensive Infrastructure Optimization

About Dell Technologies Live

Dell Technologies Live Optics is free, online software that collects, visualizes, and shares data about IT environments and workloads.

Live Optics provides data analysis to help users understand their workload performance, so that buyers and IT providers can simplify discovery and have a mutual understanding of project requirements.

Live Optics can help you:

- Perform inventory of hosts and VMs, and gain performance insight

- Characterize storage growth, file types, and predict potential for archive, compression, or deduplication

- Detail storage hardware configuration and performance

- Provide insight into platform specific backup and protection cycles and the capacity under protection

About Virtana Infrastructure Monitoring (IM)

Virtana delivers unprecedented visibility and actionable insights into the performance, health, and utilization of hybrid IT infrastructure – empowering you to ensure the performance and availability of your mission-critical applications and proactively prevent infrastructure related application slowdowns and outages.

Virtana IM is a vendor-agnostic AI-powered monitoring and analytics platform that combines application-to-infrastructure topology mapping, real-time data collection, cross-domain correlation at scale, and machine-learning to deliver system-wide visibility with actionable insights into your hybrid IT infrastructure and the applications it supports.

Combined Value: Virtana IM + Live Optics

The combination of Virtana IM and Live Optics delivers a best in class integrated approach to cognition-based AIOps through full-stack visibility with actionable insights from end user to business process and application to infrastructure, based on highly granular system-wide monitoring and a shared understanding of the entire stack.

Virtana IM adds significant value to Live Optics deployments that enables you to achieve comprehensive monitoring, analytics, and optimization with data-driven decision making. Specifically, deploying Virtana IM in conjunction with Live Optics extends your tier-aware application-centric monitoring to include:

- application auto-discovery with topology mapping,
- real-time monitoring and visualization,
- full-stack visibility with dependency mapping, and
- data granularity and integrity with network flows.

With enhanced data collection that captures high fidelity infrastructure metrics across Compute, Network, and Storage, for both private and public clouds, not only do you have a hardware inventory but also a real-time context for applications and their historical behavior. Additionally, the combination of full-stack visibility with dependency mapping and automated assessment of workload suitability for cloud environments provides greater depth and understanding of your application environments.

You can also enhance your problem resolution with:

• tier-aware intelligent alarms,
• cross-domain autocorrelation of alarms,
• automated runbooks, and
• escalation support.

With the correlation of alarms across tiers and domains you can benefit from AI- and ML-based automated investigations and recommendations to reduce your MTTR and increase full system optimization. Support for automated runbooks and escalation further enhance your ability to achieve dramatic operational and capital efficiencies.

Plus, you can enable workload automation and capacity management through:

• VM placement analysis and optimization,
• application-centric workload rightsizing,
• application-based capacity forecasting, and
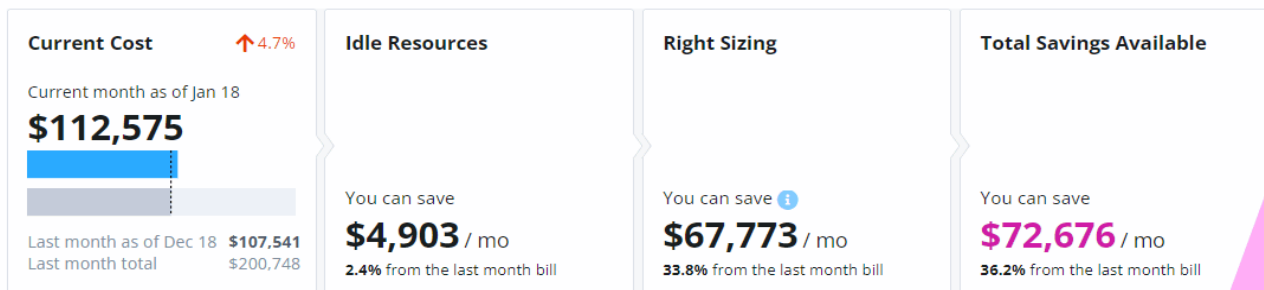• storage port and queue depth optimization.

With these capabilities you will be able to achieve enhanced workload right sizing and placement through automation strategies across your hybrid infrastructure. You can enhance global capacity management by leveraging granular historical data for improved short- and long-term capacity forecasting. Plus, with rich cost analysis and consolidated reporting as well as optimization and identification of idle resources, you can not only reduce cloud expense, but also demonstrate to stakeholders where costs lie and the efficiencies that you have achieved.

Cost Saving Opportunities

⬇ DOWNLOAD

Filter: **All Cloud Entities** ▾   ✎ EDIT 💾 ▾

Current Cost ↑ 4.7%	**Idle Resources**	**Right Sizing**	**Total Savings Available**
Current month as of Jan 18 **$112,575**			
Last month as of Dec 18 $107,541 Last month total $200,748	You can save **$4,903** / mo 2.4% from the last month bill	You can save ⓘ **$67,773** / mo 33.8% from the last month bill	You can save **$72,676** / mo 36.2% from the last month bill

Enabling Hybrid Infrastructure Flexibility with Virtana Platform

The combination of Virtana IM and Live Optics delivers cognition-based AIOps and full-stack visibility with actionable insights for your on-premises infrastructure. Moreover, you can extend your monitoring, analytics, and optimization to hybrid infrastructures that combine on-premises deployments with public cloud service providers.

Virtana Platform supports AWS, Azure, and Google cloud services so you can unify optimization and management across the leading public cloud providers, to meet your workloads' performance and cost requirements. Plus, you can support your on-premises environment with the same toolset.

Virtana delivers unprecedented visibility and actionable insights into the performance, health, and utilization of hybrid IT infrastructure – empowering you to cost-effectively ensure the performance and availability of your mission-critical applications and proactively prevent infrastructure related application slowdowns and outages.

For more information including relevant articles, blogs, and product details, visit www.virtana.com

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