CLOUDPHYSICS
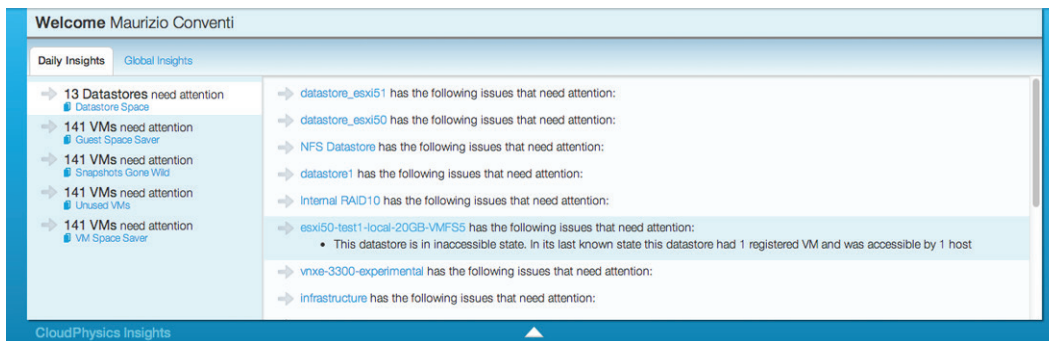
Pinpoint and Preempt Performance, Efficiency and Uptime Problems

CloudPhysics brings the power of Big Data analytics to your data center, providing data-driven insights that help you eliminate risk and save money.

CloudPhysics continuously collects operational metadata from your virtualized infrastructure, then correlates and analyzes it to expose operational hazards and waste that pose a threat to your data center performance, efficiency, and uptime. We provide deep operational visibility and dynamically generate recommendations to help you make smarter operational decisions.

"As an early adopter and leader in the use of virtualization, Sanofi is focused on continuous operational improvement across our three primary data centers in the US, APAC and Europe. The insights we gain from CloudPhysics are key in our efforts to reduce infrastructure variances across environments and improve operational predictability."
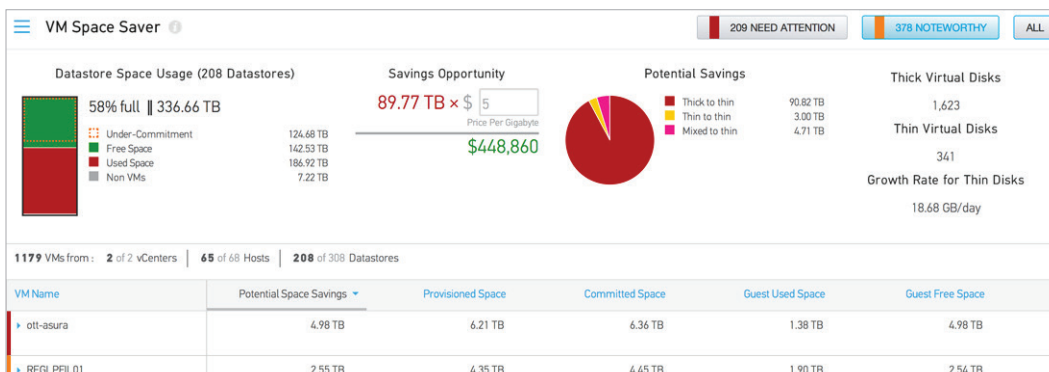
— Joachim Heppner
Head of Virtualization
Engineering Services, Sanofi

The CloudPhysics Difference

You have a choice in solutions to improve the health and efficiency of your virtual data center, but only CloudPhysics gives you these key advantages:

Experience value in less than 15 minutes.

Getting started with CloudPhysics is fast and easy. We're SaaS so, unlike on-premise solutions, you don't need to spend weeks or months procuring hardware and installing complicated software, applications, or agents. Once you install our lightweight Observer – which takes about five minutes – you'll immediately discover insights that help you reduce costs and troubleshoot problems across your entire infrastructure.

"Our ability to gather information about wasted resources has been difficult to obtain historically due to the size of our environment and drain on staff resources. With CloudPhysics, we were able to recapture 1TB of wasted space the first day."

— Ryan Burgess
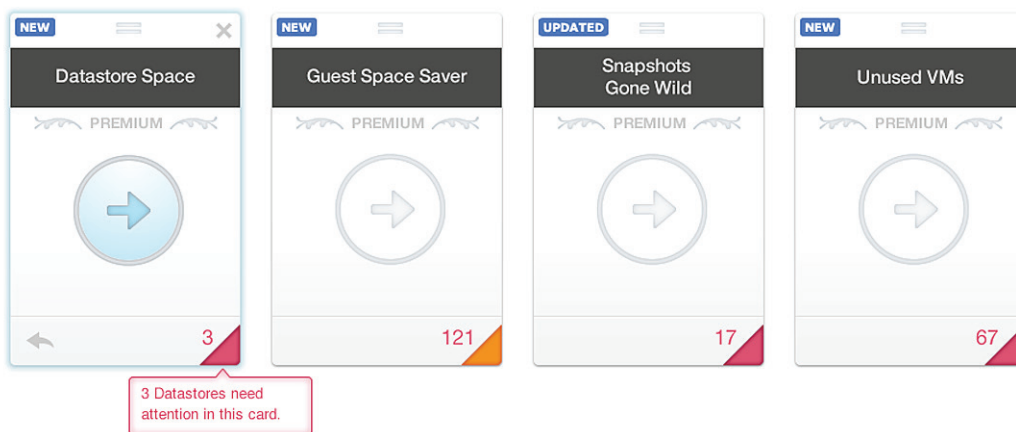*Infrastructure Architect*
BlueShore Financial

Our army of experts guide you.

Our team of virtualization and data science experts monitors and analyzes your information to get you the data-driven insights you need. Our cloud-based platform uses the daily stream of configuration, performance, failure and event data from our global user base (we've amassed 50+ trillion data points to date). Combining this Big Data with patent-pending data center simulation and resource management techniques, our team identifies global trends and patterns of behavior. We pass this Collective Intelligence on to you through the algorithms that drive our analytics, as well as the Smart Alerts and recommendations you receive.

We also enable you to compare your data center metrics against those from the global data set, giving you useful benchmarks for evaluating your performance, health, and efficiency.

We hide complexity, you get clear insights.

CloudPhysics has a unique Card paradigm that makes it easy to understand and interact with our analytics. Each Card is a "mini app" – a slice of systems data and analytics, packaged together as a unit to address specific use cases. The heavy lifting of correlating all the metadata, running simulations, and applying the Collective Intelligence from the global data set happens behind the scenes.

3 Datastores need attention in this card.

"As a leading Australian IaaS, ZettaGrid delivers enterprise-grade services our customers rely on to run their businesses. In turn, we rely on CloudPhysics to help protect us – and our customers – from operational hazards that can disrupt operations. Whether we're troubleshooting performance, tackling capacity problems, or addressing myriad other blips in our ever-evolving virtual infra-structure, CloudPhysics provides powerful analytics that cut through the complexity and pinpoint potential trouble spots, enabling us to proactively resolve them."

— Anthony Spiteri
Lead Infrastructure Architect
ZettaGrid

Cards self-tune as your environment changes, dynamically generating actionable insights specific to your data center. Each Card visualizes insights through charts and graphs, provides clear recommendations, and enables interactive exploration through slidebars, filters, and simply drilling down for more detail.

Key Use Cases

- **Performance troubleshooting:** We pinpoint storage-induced performance issues, identifying culprits and victims for fast and easy remediation.
- **Healthchecks:** We dramatically simplify healthchecks, exposing hidden operational hazards and reducing downtime risk.
- **Proactive capacity management:** We combine operational data with analytics for data-driven capacity management, eliminating waste and saving money.
- **Custom analytics and reporting:** Drag-and-drop tools make it fast and easy to build customized reports and analytics using hundreds of fields.
- **Cache benefits analysis:** Before investing in SSD or other caching, validate your true need and ensure the benefit justifies the expense.

About CloudPhysics

CloudPhysics provides data-driven insights for smarter IT, giving IT teams more power than ever before to understand, troubleshoot, and optimize their virtualized data centers and drive better operational decision making. The company, based in Santa Clara, Calif., serves thousands of users worldwide and is backed by Mayfield, Kleiner Perkins Caufield & Byers, and Jafco Ventures.