

CloudPhysics Advisory Services

VMware Storage Health Check

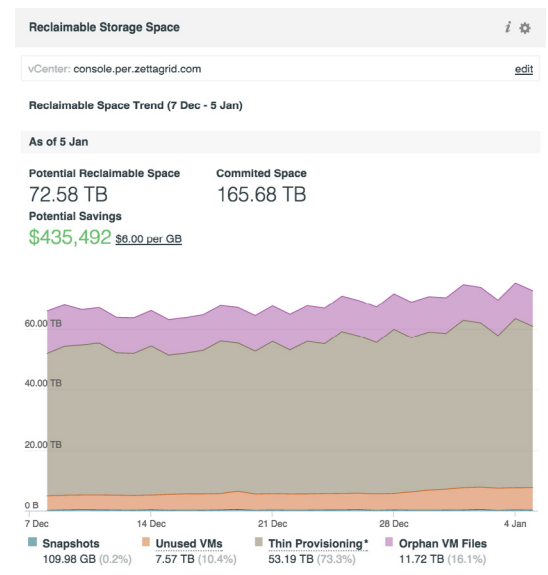
Overview

The storage layer is one of the commonest sources of performance problems and downtime in VMware environments. Troubleshooting these issues can be difficult, time consuming, and error prone. Now CloudPhysics intelligent analytics make it easy to identify and remediate these issues. Give your VMware storage a health check to learn more.

What is the Storage Health Check?

The CloudPhysics platform will analyze your VMware storage environment and provide recommendations on the following areas:

- **Storage I/O contentions:** User-friendly dashboards help you instantly identify disk I/O contention issues at the virtual machine level and at the datastore level.
- **Datastore growth rates:** Predictive analytics help you forecast when datastores will run out of space, based on your historical usage patterns.
- **Reclaimable space:** Reclaim valuable disk storage space from unused virtual machines, snapshots, orphaned VMDK files, and thin provisioning.
- **Storage I/O control configuration:** Best practice assessment to ensure host I/O fairness is properly configured when latency thresholds exceed certain levels.
- **Storage path count consistency:** Best practice assessment to ensure storage path redundancy. Validates that all hosts on shared storage have the same number of paths available to each datastore in the cluster.
- **Block size analysis:** Best practice assessment to ensure VMFS block sizes are configured correctly.
- **Multi-pathing:** Best practice assessment to review multipath settings.
- **Datastore load distribution:** Assess each datastore based on IOPS, space consumption, throughput and latency. Identify opportunities to redistribute workloads and balance storage performance across all datastores.
- **Storage I/O patterns:** Analyze read, write, and block size patterns across all datastores.



☰ Unused VMs ⓘ

Used Space (3020 VMs)

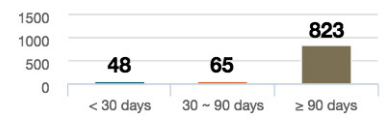
Including Powered On VMs



Savings Opportunity (936 VMs)

15.57 TB × \$
 Price Per Gigabyte
\$93,391

VMs Powered Off for



How does the Health Check work?

- Download and activate the CloudPhysics virtual appliance.
 - This process takes less than 10 minutes.
- CloudPhysics collects and analyzes performance and configuration metadata on your entire virtual storage infrastructure.
- Results are presented in easy-to-understand dashboards.
- Review results with your CloudPhysics partner to identify opportunities to improve your VMware storage performance.

Why CloudPhysics?

- 15 minutes to insights:
 - No software to install, no agents to deploy, no upgrades, no patches.
- Deep VMware expertise:
 - Founded by VMware engineers who developed core ESX feature sets and APIs.
- Highest resolution performance data:
 - We collect performance data at 20-second intervals for highest fidelity insights.
- Data science delivered to you:
 - Our data scientists perform the analysis and present actionable insights through intuitive dashboards.

Next Steps

Contact your CloudPhysics Partner for more information on this service or visit www.cloudphysics.com/advisory-services/storage.