Hybrid Cloud Assessment of your Virtualized Environment
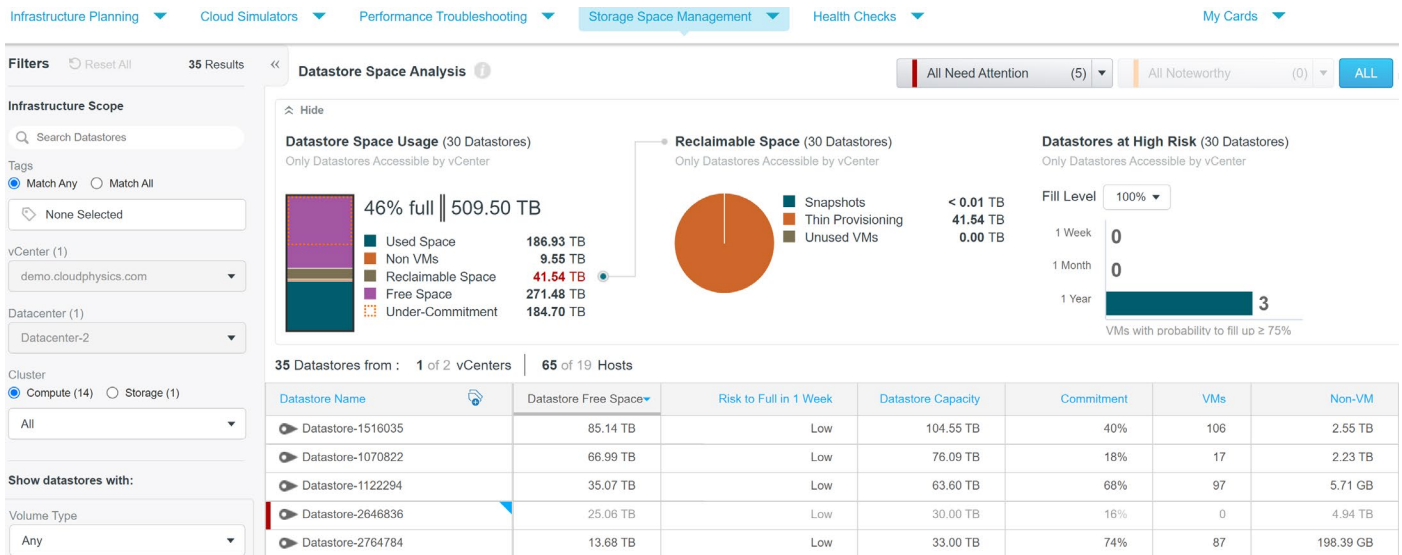
Get a detailed report and next generation enterprise workload and storage recommendations.

Infrastructure Planning ▼   Cloud Simulators ▼   Performance Troubleshooting ▼   Storage Space Management ▼   Health Checks ▼   My Cards ▼

Filters   ↻ Reset All   35 Results   «

Infrastructure Scope

Search Datastores

Tags
● Match Any   ○ Match All
None Selected

vCenter (1)
demo.cloudphysics.com

Datacenter (1)
Datacenter-2

Cluster
● Compute (14)   ○ Storage (1)
All

Show datastores with:

Volume Type
Any

Datastore Space Analysis

All Need Attention (5) ▼   All Noteworthy (0) ▼   ALL

⌃ Hide

Datastore Space Usage (30 Datastores)
Only Datastores Accessible by vCenter

46% full ‖ 509.50 TB

Used Space	186.93 TB
Non VMs	9.55 TB
Reclaimable Space	41.54 TB
Free Space	271.48 TB
Under-Commitment	184.70 TB

Reclaimable Space (30 Datastores)
Only Datastores Accessible by vCenter

Snapshots	< 0.01 TB
Thin Provisioning	41.54 TB
Unused VMs	0.00 TB

Datastores at High Risk (30 Datastores)
Only Datastores Accessible by vCenter

Fill Level 100% ▼

1 Week	0
1 Month	0
1 Year	3

VMs with probability to fill up ≥ 75%

35 Datastores from : 1 of 2 vCenters   65 of 19 Hosts

Datastore Name	Datastore Free Space▾	Risk to Full in 1 Week	Datastore Capacity	Commitment	VMs	Non-VM
Datastore-1516035	85.14 TB	Low	104.55 TB	40%	106	2.55 TB
Datastore-1070822	66.99 TB	Low	76.09 TB	18%	17	2.23 TB
Datastore-1122294	35.07 TB	Low	63.60 TB	68%	97	5.71 GB
Datastore-2646836	25.06 TB	Low	30.00 TB	16%	0	4.94 TB
Datastore-2764784	13.68 TB	Low	33.00 TB	74%	87	198.39 GB

The HPE Shared Storage Analytics card quickly summarizes all datastores currently deployed in your environment based on storage types, vendors, models, and performance. Visibility into these values can assist you to:

- Find datastores by hardware Vendor and Model Find performance bottlenecks by datastore and associated hardware.
- Identify inefficiencies in hardware that can be upgraded or replaced.
- Identify capacity and usage trends by datastore and by vm tagged subset reporting.
- Use non-disruptive, patented workload tracing to simulate workloads on alternative storage platforms, and to conduct POCs remotely, eliminating on-premise POC work and systems.
- The Shared Storage Analytics card can also quickly quantify storage utilization and performance for each datastore to focus on hosts and VM's generating the greatest impact on the storage subsystem. These same metrics can be used to scope and scale hardware upgrades and replacements within your environment.
- Take the data further and use the capacity output to plan placement or storage migration plans for new workloads based on over-commits, snapshots, and thin/thick provisioned capacity.

Quickly identify and optimize compute and storage workloads

Rapidly map datastores to underlying shared storage systems with the most contention or performance issues. Use this data to help you plan and right size VM placement, storage upgrades, and migrations to other platforms with better understanding of how on-premise hybrid options may compare to costs of the same workloads in the public cloud.

The Nth HPE Hybrid Cloud assessment can help you with why, and how fast you're running out of space – and what you can do about it. It will reveal cost savings opportunities for your virtual infrastructure and help identify the right mix of on-premise vs public cloud.

Your trusted advisor will be enabled by a patented HPE Data Analytics engine

Nth Generation will be using a new innovative SaaS platform to monitor your VMware infrastructure for a short Assessment period. During this time the client will also have access to the unique analytics UI with VM right-sizing recommendations. During the assessment you will be able to compare workload costs of on-premise to public cloud to aid in the discovery of the proper cloud strategy for your organization.

Assessment benefits

- Reduce the risk of compute workload and storage-related failures and performance issues
- Shorten time to resolution of datastore or vm i/o contention, and allocation of resource problems
- Quick reporting of shared storage analysis, vm guest tools, cluster health, and aggregate power consumption
- Reclaim wasted storage space and more optimal rightsizing of vm compute (vCPU, vRAM) allocations
- Provide innovative analytics to make better data-driven decisions and lower costs of infrastructure
- Providing accurate data direct from vCenter that will allow Nth Generation to make further recommendations

Nth Hybrid Cloud Assessment reporting can include a shared storage summary report, but also allows VM-Rightsizing, workload optimization and hybrid cloud cost comparison and recommendations. Your Nth Generation account team will collaborate and further assist with your Hybrid IT Data, Application and Workload migration or a solution proposal. Through embedded API the SaaS Analytics engine can determine how the same workload or tagged subset may benefit from VM right-sizing while also allowing comparison of costs of on-premise or private cloud vs the same workload or subset of that workload moved to public cloud providers.

Contact

Email your request to your sales representative or to assessments@nth.com.

"IT Ops teams managing virtualized infrastructures face a continuous onslaught of allegations that something is slow and that it is their fault. It turns out in over 90% of the cases where the infrastructure actually is at fault, the culprit is storage."

– Bernd Harzog, Analyst The Virtualization Practice