

DATA-DRIVEN INSIGHTS FOR SMARTER IT

Free vCenter Assessment: Up and Running in Just 15 Minutes

Virtualization brings a multitude of benefits but also can generate risks and degradation unless closely monitored. But who has the time to stay up to date on all best practices and ensure they are being followed across their IT infrastructure? No one. CloudPhysics can.

CloudPhysics' free vCenter Assessment applies advanced data science and proprietary analytics developed by our virtualization experts to expose areas of your infrastructure that increase cost, reduce performance, and expose you to risks. Our low-overhead SaaS platform takes just minutes to install yet saves untold man-hours for IT.

Key Benefits

- Uncover inefficiencies and potential savings
- Identify outdated or misconfigured assets
- Benchmark your IT against all CloudPhysics' customers

The CloudPhysics free vCenter Assessment includes the following* proprietary analytics:

<p>vCenter Summary</p> <p>FREE</p> <ul style="list-style-type: none"> • Summary of full vSphere environment for all connected vCenters 	<p>Host Inventory</p> <p>FREE</p> <ul style="list-style-type: none"> • Hypervisor build alignment • vSphere compatibility 	<p>Snapshots Gone Wild</p> <p>FREE</p> <ul style="list-style-type: none"> • Lists VMs with snapshots • Calculates reclaimable space 	<p>Knowledge Base Advisor</p> <p>FREE</p> <ul style="list-style-type: none"> • Identifies KB articles relevant to your IT • Identifies hosts that need patching
<p>Uptime Benchmark</p> <p>FREE</p> <ul style="list-style-type: none"> • Lists top 10 uptime VMs & hosts • Benchmarks against all CloudPhysics customers 	<p>Guest Tools Health</p> <p>FREE</p> <ul style="list-style-type: none"> • Lists VMs with no or outdated tools • Shows settings inconsistencies for tools 	<p>vMotions Yesterday</p> <p>FREE</p> <ul style="list-style-type: none"> • vMotions details from last day • Filter results from vCenter to cluster 	<p>Host Resource Commitment</p> <p>FREE</p> <ul style="list-style-type: none"> • Shows CPU and memory commitment for hosts • Identifies CPU allocation imbalances
<p>Host NTP Settings</p> <p>FREE</p> <ul style="list-style-type: none"> • Shows NTP settings for hosts • Identifies configuration inconsistencies 	<p>VM Limits and Reservations</p> <p>FREE</p> <ul style="list-style-type: none"> • Shows VMs with CPU/memory reservations/limits • Identifies configurations with performance impacts 	<p>Activate your Free vCenter Assessment today</p> <p>www.cloudphysics.com/get-cloudphysics</p>	

* Subject to change

Example Assessment Results

Guest Tools Health

Tools Running State (13 VMs)

Only Powered On VMs

0 Running 4 Not Running 9 Not Installed

Tools Upgrade Policy (14 VMs)

Inconsistent

8 Manual 6 At Power Cycle

It is recommended that Tools across all VMs have a consistent Tools Upgrade Policy

Tools Version Status (14 VMs)

Current	1	(7%)
Upgrade Recommended	2	(14%)
Upgrade Required	1	(7%)
Not Installed	10	(71%)

14 VMs from: 1 of 1 vCenter | 11 of 33 Hosts | 18 of 86 Datastores

VM Name	Guest OS	Tools Running State	Tools Upgrade Policy	Tools Version Status	Host Time Sync	Host NTP
VM name	Other (32-bit)	●	Manual	Not Installed	Not Enabled	Running
<div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;"> <p>Needs Attention 1 of 1 VMware Tools are not installed. Performance may be impacted and certain features may not be available.</p> </div>						
VM name	Microsoft Windows 2000	●	Manual	Not Installed	Not Enabled	Running
VM name	Microsoft Windows Server 2012 (64-bit)	●	Manual	Not Installed	Not Enabled	Running
VM name	Microsoft Windows Server 2008 (64-bit)	●	At Power Cycle	Not Installed	Not Enabled	Running
VM name	Microsoft Windows XP Professional (3...	✖	At Power Cycle	Upgrade Recommended	Not Enabled	Running
VM name	Microsoft Windows Server 2003 (32-bit)	✖	At Power Cycle	Upgrade Recommended	Not Enabled	Running
VM name	Microsoft Windows Server 2008 R2 (6...	●	At Power Cycle	Not Installed	Not Enabled	Running
VM name	Microsoft Windows Server 2003 Stand...	✖	At Power Cycle	Current	Not Enabled	Running
VM name	Microsoft Windows Server 2008 R2 (6...	●	At Power Cycle	Not Installed	Not Enabled	Running
VM name	Other Linux (32-bit)	●	Manual	Not Installed	Not Enabled	Running
VM name	Other Linux (64-bit)	●	Manual	Not Installed	Not Enabled	Running
VM name	Microsoft Windows 2000 Server	✖	Manual	Upgrade Required	Not Enabled	Running
VM name	CF Microsoft Windows 2000 Server	N/A	Manual	Not Installed	Not Enabled	Running
VM name	Microsoft Windows Server 2008 (32-bit)	●	Manual	Not Installed	Not Enabled	Running

vCenter Summary

Clusters 4	Datastores 62	Hosts 33	Memory 2.86 TB	Virtual Machines 248
Storage Clusters 1	Networks 11	CPUs 719	Physical Memory 5.54 TB	Virtual CPUs 719

vCenter Name	Version	Datacenters	Resource Pools	Clusters	Storage Clusters	Networks	Datastores	Hosts	Avg. Consolidation Ratio	Virtual Memory	Physical Memory	Virtual CPUs	Physical CPU Cores	VMs	vDS
vsan01	5.5	1	8	8	1	11	86	33	7.3:1	2.86 TB	5.54 TB	719	498	248	0

Knowledge Base Advisor

303 RESULTS | 6 CRITICAL | 62 HIGH | 133 MEDIUM SEVERITY

- ESXi/ESX hosts with NetXen HP NC370/NC322/NC323 and CN1000Q series lose network connectivity
SOURCE: VMware | UPDATED: 03/23/2015 | APPLIES TO: 30 Hosts | SYMPTOM: Connection Dropped
- ESXi/ESX hosts enter a Not Responding state after connecting to vCenter Server
SOURCE: VMware | UPDATED: 03/23/2015 | APPLIES TO: 30 Hosts | SYMPTOM: Connection Dropped, Informational
- ESXi 5.5 host with IPv6 support enabled fails with a purple diagnostic screen with reference to find_pfxlist_reachable_router
SOURCE: VMware | UPDATED: 03/18/2015 | APPLIES TO: 30 Hosts | SYMPTOM: Purple Screen of Death/PSOD
- VMware ESXi host experiences Intermittent Non-Maskable Interrupt (NMI) purple diagnostic screen on HP Gen8 servers
SOURCE: VMware | UPDATED: 03/18/2015 | APPLIES TO: 14 Hosts | SYMPTOM: Purple Screen of Death/PSOD

CloudPhysics Premium Edition includes all of the analytics of the vCenter Assessment plus others like:

- Orphaned VM files
- Datastore contentions
- HA simulation
- VM I/O contentions
- Guest space saver
- PCI I/O devices
- VM space saver
- Unused VMs
- DRS cluster health

Contact your sales representative for further details.