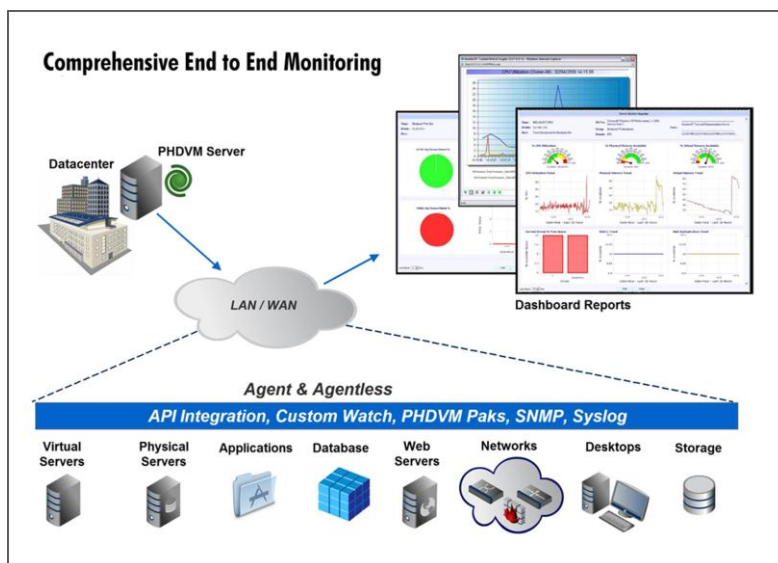


# PHD Virtual Monitor for Citrix XenServer

## Complete End-to-End Monitoring for Citrix XenServer

**PHD Virtual** leverages a unique combination of Intelligent Agent and Agent-less monitoring to give you complete visibility across your entire virtual IT infrastructure at all levels including virtual, physical and application. Unlike solutions that only use one method or the other, PHD Virtual Monitor eliminates blind spots providing a complete view so you can effectively ensure availability.

- XenCenter “Plug-in” provides a single dashboard to monitor both physical and virtual infrastructure from XenCenter
- Hypervisor API integration captures key metric about the host and virtual machines without requiring agents
- “Intelligent Agents” for virtual machines provide the option of gathering deep system and application level diagnostic data from virtual machines
- Physical infrastructure monitoring is preconfigured



### Monitor the XenServer Host

PHD Virtual Monitor leverages the XenServer Hypervisor APIs to obtain and monitor critical metrics for the Host as well as the VMs, capturing detailed information about the entire XenServer virtual infrastructure.

### Monitor Virtual Machines

PHD Virtual Monitor captures detailed metrics across your entire environment with a flexible combination of Agent and Agent-less monitoring techniques.

### Monitor Physical Infrastructure

PHD Virtual Monitor supports all Windows, UNIX and Linux systems, with out of the box monitoring of associated Windows applications. PHD Virtual Monitor also monitors the underlying network and storage infrastructure.

### BENEFITS

- Complete End to End View of Virtual & Physical Infrastructure
- Eliminate Blind Spots and False Positives
- Ensure Application Availability
- Manage and Meet SLA's
- Quickly Identify, Isolate and Remediate
- No Complex Coding or Scripting Required
- Deploy and Monitor in Minutes

### FEATURES

- XenServer Hypervisor Integration
- XenCenter Management Integration
- Intelligent Agent Monitoring
- Agent-less Monitoring
- Pre-configured System Watches
- Automated System Discovery
- Automated Watch Deployment
- Simple Watch Customization
- Automated Remediation
- Pre-Configured Reports



### Comprehensive XenServer Infrastructure Environment Monitoring

By directly interfacing with the XenServer APIs, and leveraging “Intelligent Agent” technology, PHD Virtual Monitor provides administrators a comprehensive view of their entire virtual IT infrastructure including virtual, physical and application resources. This enables administrators to manage not just the XenServers but also the physical infrastructure including networks, physical servers, applications, desktops and storage all from within the XenCenter console.

**Agentless Monitoring** – XenServer API integration provides detailed metrics for virtual hosts as well as complete inventory of the virtual environment along with CPU, memory, and disk utilization and availability for each virtual machine.

**Intelligent Agent Monitoring** – a unique, light-weight agent captures deep diagnostic metrics for VM’s, applications, systems and physical devices while consuming minimal resources, typically less than .1% of CPU and memory. The intelligent Agent is easy to deploy and can be configured in minutes with pre-defined system watch packs.

### Metrics Captured by PHD Virtual Monitor

Hypervisor	Intelligent Agent
<p><b>Host</b></p> <ul style="list-style-type: none"> <li>• Virtual Infrastructure Inventory</li> <li>• CPU Performance / CPU Load</li> <li>• Memory Consumption</li> <li>• Network Throughput</li> </ul> <p><b>Virtual Machines</b></p> <ul style="list-style-type: none"> <li>• Availability</li> <li>• Migration</li> <li>• Resource Reallocation</li> <li>• Snapshots</li> <li>• CPU Load</li> <li>• Memory Consumption</li> </ul> <p><b>Storage Repository</b></p> <ul style="list-style-type: none"> <li>• Utilization</li> <li>• Virtual Disks, Snapshots, Orphaned Disks, Wasted Space</li> <li>• Virtual vs. Physical Space Allocation</li> </ul>	<p><b>Virtual Machines</b></p> <p><b>Resources Availability &amp; Trends</b></p> <ul style="list-style-type: none"> <li>• CPU load</li> <li>• Memory &amp; Swap Utilization</li> <li>• Network Latency &amp; Bandwidth</li> <li>• Disk Utilization</li> <li>• Applications</li> </ul> <p><b>Application Availability</b></p> <ul style="list-style-type: none"> <li>• Processes and Services</li> <li>• Application Error Conditions</li> <li>• Event Logs</li> </ul> <p><b>Performance</b></p> <ul style="list-style-type: none"> <li>• CPU, Memory, Disk</li> <li>• Operating System</li> <li>• Applications</li> </ul> <p><b>Physical Servers</b></p> <p><b>Applications</b></p> <p><b>Networks</b></p> <p><b>Desktops</b></p>

### The PHD Virtual Difference

PHD Virtual Monitor for Citrix XenServer is distinctly different from other monitoring solutions since it provides both Intelligent Agent and Agentless hypervisor monitoring. Other solutions, typically limited to only those metrics provided by the hypervisor, cannot provide granular data about the virtual machines and their applications or the physical infrastructure, creating blind spots in your virtual IT environment. With PHD Virtual Monitor you can eliminate blind spots and get a complete view across your entire environment all from directly within XenCenter.