WhatsVirtual
VMware Monitoring for WhatsUp Gold

> VMware provides organizations with the flexibility to quickly provision server capacity to meet changes in server demand. It reduces hardware costs and total cost of ownership – but it also introduces a layer of complexity for IT in delivering the availability and performance demanded by users, applications and the business.

System admins need real-time and historical visibility into the performance of their virtual infrastructure. They need to analyze virtual performance in the context of the entire IT infrastructure – networks, physical servers and applications. To address these needs, WhatsVirtual discovers, maps, monitors, alerts and reports on VMware performance for ESX and ESXi hosts and guests. It is a plug-in for the WhatsUp Gold suite of IT monitoring solutions, delivering an integrated view of the entire IT infrastructure.

Discover, Map, Monitor, Alert & Report on Your VMware Infrastructure

Discover Your Virtual Infrastructure

WhatsVirtual natively integrates with the VMware API to discover and monitor VMware ESX and ESXi environments. The VMware API is designed to collect information much more specific to VMware than traditional protocols like SNMP. WhatsVirtual discovers all VMware hosts, guests and clusters on the network.
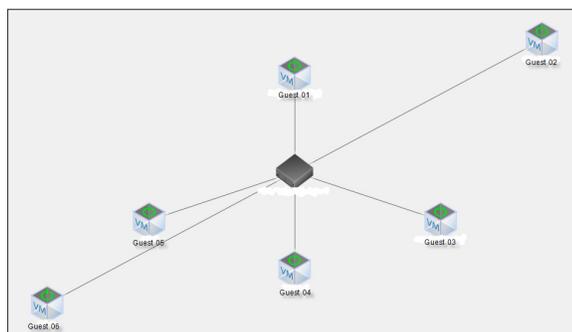
Map Your Virtual Infrastructure

WhatsVirtual automatically generates dynamic maps of the VMware infrastructure, displaying hosts and guests, clusters, and real-time status.

WhatsVirtual maps are an important first response tool helping system admins to keep track of all host/guest relationships to quickly isolate the source of virtual problems especially during periods of peak usage.

With a single click on any virtual resource on the map, system admins can drill down to view performance data.

Monitor Your Virtual Infrastructure

WhatsVirtual monitors VMware in real-time. It keeps an up-to-date list of all VMware hosts and attributes. It monitors the performance and resource consumption of hosts and guests, including CPU, Memory, Disk and Interface Utilization. It

Guest 01	
Power State:	Powered On
VMware Tools Status:	Running
IP Address	
Operating System:	Microsoft Windows Server 2003 Standard (32-bit)
CPU Load:	4.53 %
Memory Load:	56 MB / 512 MB
Disk (Read/Write):	0 bps / 1000 bps
Interface (Tx/Rx):	42 Kbps / 44 Kbps

monitors the availability and performance of VMware vCenter servers and tracks live migrations. By default, WhatsVirtual polls the VMware infrastructure every minute to collect performance data.

System admins can customize their polling cycles to meet their specific needs. The WhatsVirtual event log provides a record of events generated from virtual devices.

Alert on Your Virtual Infrastructure

WhatsUp Gold generates threshold-based alerts that empower system admins to identify and fix performance problems before they impact users, applications and the business. They generate alerts on CPU, memory, disk and interface utilization on virtual machines. In addition, WhatsVirtual can alert on vCenter events including virtual machine status, security related events and any custom alerts that vCenter will generate an event log for.

Alerts are sent via Email, SMS or log files. WhatsVirtual alerts are integrated into the WhatsUp Gold Alert Center, providing a single source for managing alerts across the entire WhatsUp Gold suite.

WhatsVirtual also features VMware management actions. System admins can power on/off, suspend, rest and lockdown guest machines in their virtual infrastructure without having to leave the WhatsVirtual console.

Report on Your Virtual Infrastructure

WhatsVirtual provides out-of-the-box reports on virtual performance. It provides the Virtual Host report of all VMware hosts discovered on the network.

The Virtual Server Attributes report provides system admins with VIM and API versions; the number of CPU cores, packages and threads; and the total virtual machines, powered on and off, and suspended. WhatsVirtual delivers Virtual Machine Current CPU, Memory, Disk and Interface Utilization reports.

Like all WhatsUp Gold plug-ins, WhatsVirtual reports can be integrated into customized end-to-end dashboards of the entire IT infrastructure. IT staff can create a single dashboard view of their wired and wireless network, physical and virtual servers, and applications to quickly assess the health of their entire IT infrastructure and to identify and fix problems before they impact user, applications or the business.

WhatsVirtual is part of the **WhatsUp Gold Suite of Integrated Products,** delivering unified IT monitoring from one single view.

Learn more at
www.ipswitch.com/infrastructure-and-application-management

For a free 30-day trial please visit: www.ipswitch.com/free-trials/whatsupgold

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