



xangati

Xangati Management Dashboard

OVERVIEW

Xangati Management Dashboard enables VMware and IT administrators, managers and architects to see live, in a video-like fashion, exactly what is happening on their virtual and physical infrastructure. This visibility into what each and every server, host, application, network, network attached storage array and end-user device is doing from a department view to enterprise-wide enables dashboard users to resolve problems fast, mitigate risk and accelerate project completion dates and savings.

BENEFITS

- Optimize ESX performance with visibility into multiple ESX hosts from the same dashboard
- Optimize infrastructure performance with visibility into each and every object's and identity's physical and virtual communications
- Solve problems fast with profile based alerts for identities and applications
- Implement modularly to scale from one user to one or more departments to enterprise-wide
- Accelerates virtualization projects and savings

FEATURES

- DVR recordings of any object's activity
- Mapping of objects to identities you know
- Behavioral profiling of identities, applications, groups and network interfaces
- Alerts based on behavioral profiles
- DVR recordings based on behavioral changes
- Flexible licensing and deployment supports enterprise-wide, departmental and/or virtualization specific dashboards

Consolidated Visibility to Solve Problems FAST

Xangati Management Dashboard (XMD) enables administrators, managers and architects to quickly see, diagnose and resolve performance problems fast. By consolidating information from multiple Xangati for ESX implementations in a common dashboard, users see what's happening in their virtual world from one ESX to a departmental view to enterprise-wide. Xangati Management Dashboard enables the mapping of IP objects into identities (Xangati tracked IP objects) so users can see which storage device a VM is using with familiar names and if desired receive alerts based on out of normal range behavior.

As infrastructure continues to become more dynamic, live visibility into what everything is doing makes the difference between satisfied users and time with the family or frustrated users, wasted time trying to correlate availability with performance and project failure. Complementing the red, green, yellow element visibility provided by tools like VMware vCenter, XMD provides live, to-the-second visibility into what every IP object (virtual and physical) and application is doing so problems can be solved fast and performance optimized.



Xangati Management Dashboard above shows multiple ESXs, the VMs within each ESX, what objects each VM is communicating with (including storage, applications and end-users) and how much activity each has -- all updated live to-the-second. You've never seen anything like this before.

User, Department or Enterprise-Wide Visibility

With Xangati Management Dashboard you can have visibility by user/role, by function, by department and even enterprise-wide into what every object is doing *right now*. Three editions are offered to let you select the functionality you want with no restrictions on the number of each you deploy. Which edition(s) you choose depends on whether you want to see multiple ESX hosts in one view, physical infrastructure IPs or identities pulled from systems like Active Directory, DNS and RADIUS, whether you want behavioral profiling to proactively alert you to issues, the size of your environment and lastly, how much you want to see in each dashboard. If the virtualization team wants visibility into all ESX hosts and VMs – but nothing else – Xangati can do it. If they want visibility into everything – Xangati can do it. If a department wants visibility into the network and applications supporting them but nothing else, Xangati can do it. See Figure 1 above right.

Virtual and Physical Communications

Xangati displays the live activity of as much of your virtual and physical environment as you want. While all licensed ESX hosts and VMs are displayed as named in vCenter, all your physical infrastructure IPs are displayed as just IPs to start. If you prefer to see physical IPs as the named identities you have already established – Xangati makes it easy with its mapping capabilities. For example network attached storage targets, physical hosts, router interfaces and switches can be displayed by name instead of just IP, making it easier to identify and optimize performance in less time. With Enterprise Plus edition Xangati scales to hundreds of thousands of named identities to cover large and rapidly growing environments.

Mapping, Profiling and Alerting

While Xangati can DVR record any objects activity for later replay, mapping brings with it the ability to profile an object's behavior by time of day and work/non-work day. Behavioral profiling enables Xangati to send alerts based on out of range behavior which in addition to notification can also trigger automatic recordings of the object's activity. These recordings have proven invaluable to customers as they capture exactly what was going on at the time of a problem – which otherwise is lost forever. If a random slowdown occurs where a given ESX is consuming too much of a physical interface, what caused it? Perhaps an iSCSI backup did not occur on schedule?

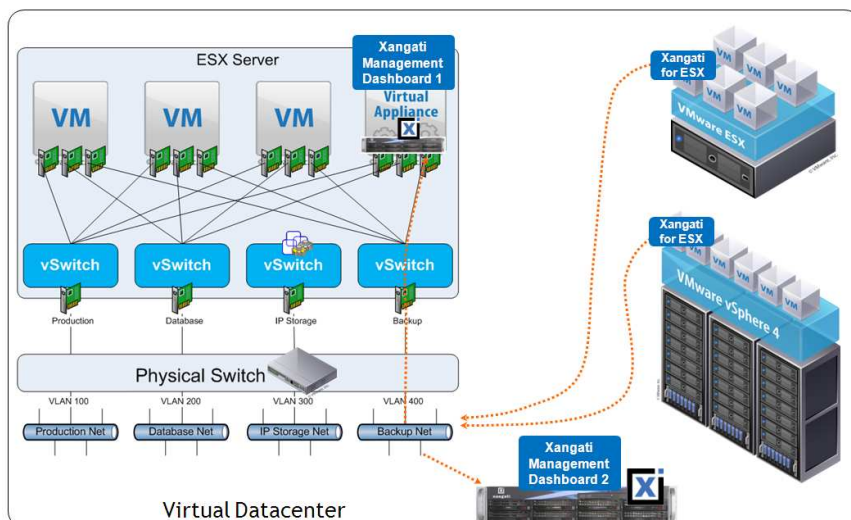


Figure 1. Multiple Xangati Management Dashboards can be deployed. Dashboard 1 could be standard or enterprise edition, dashboard 2 in this example is enterprise plus edition.

Profiling is great for auditing changes as you'll be able to see current behavior in the context of historical behavior – and immediately know if your change worked as intended.

Remote Object Viewer

Another powerful capability of Xangati is its ability to display a remote object's behavior live – be that object a server, virtual desktop or application – without requiring access to a full Xangati dashboard. Xangati Remote Object Viewers (XROVs) enable anyone to have a partitioned live view into the “right now” activity of a given object. For example by provisioning a Remote Object Viewer in tandem with every virtual server, the virtual server owner can see live what is actually going on with their server—from what applications it is running, who are its top users and its bandwidth consumption/latency. The result is a dramatic reduction in poor performance complaints into the virtualization team as the server owner can now see the activity likely causing the performance issue.

Xangati Remote Object Viewer is an optional separate, simple, thin client that talks to a central Xangati Management Dashboard. XROV shows network latency, bandwidth and application usage, direct reporting and DVR recordings for monitored objects. Like Xangati for ESX and any management dashboard, this recording, called a VTT or visual trouble ticket, is then used by an administrator to help identify and resolve the problem. The VTT can also trigger the opening of a trouble ticket in your existing service desk system and allow the DVR recording to be appended to the trouble ticket as a visual note. See figure 2 next page for an image of a Remote Object Viewer.

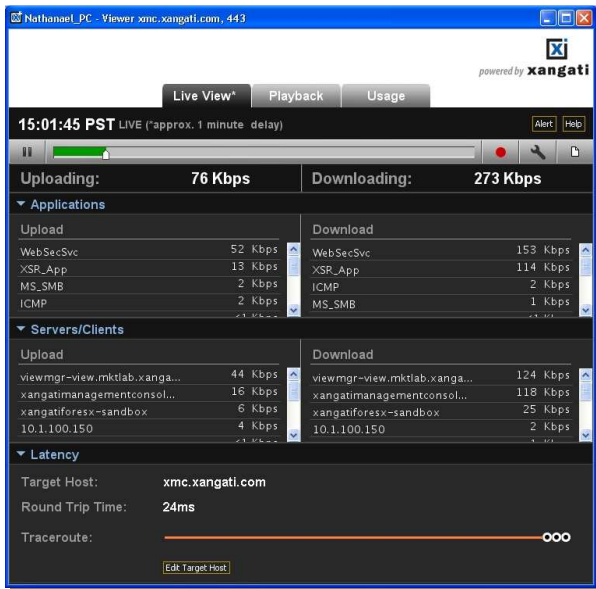


Figure 2. Xangati Remote Object Monitor user interface – provides visibility into a specific object for anyone you want to have it.

How it Works

Xangati Management Dashboards display flow information collected from Xangati for ESX virtual appliances and/or from physical switches and routers. This flow information

summarizes the communication going on between IP devices and is processed using proprietary intellectual property to show what is happening in a video like manner—so you can resolve problems fast, get back to business quickly and accelerate your virtualization savings.

All Management Dashboards require Xangati for ESX's to be implemented within any ESX host visibility is desired into. If no Xangati for ESX's are implemented, Enterprise and Enterprise Plus editions can still show all physical communications enterprise-wide.

Data is stored for twelve weeks providing months of historical reporting to show usage trends and help plan capacity upgrades. And multiple dashboards can be implemented to give role or departmental visibility.

Evaluate Xangati Today

Xangati develops virtual management software for today's virtual world. Xangati provides live, video-like visibility into the performance of each and every application, server, network, network attached storage target and end-user device without agents or probes. This live visibility eliminates blind spots left by existing management tools and accelerates savings from virtualization initiatives. For more information visit www.xangati.com to download free trial, request a demonstration, view product feature demos, watch customer videos and even take a test drive of the system.

	Xangati Management Dashboard Standard	Xangati Management Dashboard Enterprise	Xangati Management Dashboard Enterprise Plus
Visibility	Live Visibility into supported ESX Hosts, VMs, Applications, Groups	Live Visibility into supported ESX Hosts, VMs, Applications, Groups	Live Visibility into supported ESX Hosts, VMs, Applications, Groups
Recordings	One Click Recordings and Visual Trouble Ticket Portal	One Click Recordings and Visual Trouble Ticket Portal	One Click Recordings and Visual Trouble Ticket Portal
Historical Reporting	Full Reporting	Full Reporting	Full Reporting
vCenter Integration	Yes	Yes	Yes
Logins	Multiple, Four (4) Concurrent Users	Multiple, Eight (8) Concurrent Users	Multiple, Ten (10) Concurrent Users
Appliance Model	Virtual Appliance	Virtual Appliance	Physical Appliance
ESX Support	Up to 40 ESX Processors	Up to 100 ESX Processors	Up to 1,000 ESX Processors
IP Mapping/Identity of VMs and Physical IPs	Up to 2,000 IPs	Up to 5,000 IPs	Up to 20,000 IPs
Profiling and Alerting		Profiling and Alerting for all Mapped IPs, Applications, Groups & Network Infrastructure	Profiling and Alerting for all Mapped IPs, Applications, Groups & Network Infrastructure
Remote Object Monitoring		Optional Bundle	Optional Bundle
Supports Additional IPs			Optional Expansion Packs