



IT Supply. IT Problems. One Console.



VirtualIQ Pro

Performance Management. Capacity Planning. Reports. One Console.

Today, enterprises of all sizes are discovering the benefits of using virtualization. The ability to run multiple virtual machines (VMs) on a single host enables enterprises to do more with less. However, this flexibility also introduces a new level of complexity. Running multiple VMs on a shared host resource pool creates a dependency relationship. The ability to quickly identify, diagnose and resolve a problem becomes critical in such an environment, because the failure of one host will cause cascading failures across every virtual machine on that host. As the number of hosts running VMs increases, the complexity of manually managing the multitude of inter-dependent relationships increases exponentially.

The need for automated methods for holistic visibility and policy-driven active procedures becomes a necessity in managing such a dynamic virtualization environment. Today, many enterprises are faced with questions like:

- Where can I add my next VM?
- Where are my most-loaded and least-loaded hosts and VMs?
- What impact will I have when I add a new VM to this host?
- How can I quickly identify, diagnose and resolve performance problems?

ToutVirtual's VirtualIQ Pro is designed to help you answer these questions and many more. Manage IT Supply. Manage IT Problems. One Console. All Virtual Platforms. It's that simple.

Solution Overview

ToutVirtual's VirtualIQ Pro is a cost-effective web-based console for managing multi-node virtualization environments. VirtualIQ Pro provides a unified physical host and virtual machine management portal for IT administrators. The web console starts with a dashboard view that provides unique visibility into the virtual platform operations allowing you to manage available IT resource supply and to address current problems in your virtualization environment. The dashboard allows you to easily identify which hosts and virtual machines are running at high utilization levels while providing instant visibility into where excess capacity lies. The portal navigation system provides virtualization aware drill-down capabilities to enable faster root cause analysis in a dynamic virtual environment. The portal provides automated control of virtual machines with simple policies that can take user-defined actions. IT administrators can also generate on-demand and scheduled historical reports via the portal.

VirtualIQ Pro enables performance management, capacity planning and reporting using one integrated console. VirtualIQ Pro provides support for heterogeneous virtualization platform management. VirtualIQ Pro is available as a ready-to-deploy pre-

packaged virtual machine appliance for users that have virtualization environments of up to 10 physical CPU sockets. For users with environments greater than 10 CPUs, VirtualIQ Pro is available as cross-platform software installer which can be installed on Windows OS and Linux OS.

Business Benefits

- *Saves Money* - one console provides multi-function solution, multi-platform support
- *Defer New Hardware Purchases* - instant visibility into host capacity and resource usage enables maximum resource utilization
- *Improved Service* - continuous visibility into virtual machine performance and utilization
- *Real-time Problem Isolation* - context-sensitive drill-downs
- *Reduces Downtime* - faster problem detection and resolution
- *Proactive Infrastructure Planning* - continuous capacity planning maximizes resource utilization
- *Enables Automation* - policy-driven active procedures
- *Delivers management visibility* - on-demand or scheduled real-time and historical reports
- *Reduces operator time* - ease of installation and deployment, enables remote management with browser-based portal



Visualize

Orchestrate

Optimize

Automate

Technical Benefits

- Simple to install, deploy and use
- Early warning system with user-defined policies, intelligent alert throttling and user-specified automated actions
- Host and virtual machine auto-correlated views showing utilization and capacity
- Real-time and historical views of virtual resource supply
- Hides complexity and allows users to manage physical and virtual machines from a single web based console
- On-demand and scheduled web reports - available as HTML, CSV, XML, PDF
- Baseline performance evaluation tool to evaluate move from one virtualization platform to another

Heterogeneous Platform Support

VirtualIQ Pro can be used to manage one or multiple virtualization platform environments using the same web console. VirtualIQ Pro supports all the popular virtualization platforms currently in use:

- VMware ESX Server 2.5.x, 3.x
- VMware Server on Windows / Linux
- VMware GSX Server on Windows / Linux
- XenSource (Citrix) XenExpress 3.x, 4.x
- XenSource (Citrix) XenServer 3.x, 4.x
- XenSource (Citrix) XenEnterprise 3.x, 4.x
- Microsoft Virtual Server 2005 R2
- Xen running on Novell SUSE Enterprise 10

Enterprise Virtualization Benefits

Policy-based Automation
Faster Root-cause Analysis
Just-in-time Capacity Planning
Web-based Management Console
Ready-to-deploy Virtual Machine Appliance

About ToutVirtual, Inc.

“Deploy Virtualization with Confidence.”

ToutVirtual was chosen as one of the *“Top 10 Virtualization Companies To Watch”* by Network World in August 2007. ToutVirtual develops *heterogeneous* virtualization automation solutions for IT organizations. Enterprises can deploy self-service, auditable virtualization infrastructures based on IT-controlled operating policies. Enterprises can benefit through broad-scale use of virtualization to reduce business latency and increase transparency into the virtual computing infrastructure. Based on ToutVirtual’s patent-pending *“System Resource Broker™”* technology platform, the company’s solutions and products automate processes such as virtual machine management, virtual machine lifecycle management, dynamic service delivery, virtual system optimization, security and reporting. The solutions enable IT organizations to take charge of their virtualization infrastructure from one console.

ToutVirtual products work with all popular virtualization platforms - Microsoft, Novell, VMware and XenSource (Citrix). ToutVirtual products are available through a world-wide network of channel partners. Founded in January 2005, ToutVirtual is a privately held Delaware corporation.



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