

THE eG MONITOR FOR Oracle VM Server for x86

Monitor, Diagnose and Optimize the Performance of Oracle VM Virtualized Infrastructures



BENEFITS AT A GLANCE

- ✓ **Get complete, 360 degree performance visibility** of the virtualization platform and beyond – network, applications, storage, databases.
- ✓ **Automate and accelerate discovery, diagnosis and resolution of performance issues** with virtualized applications.
- ✓ **Pre-emptively detect performance issues before users notice**, using automatic baselining of normal application and system performance and usage.
- ✓ **Right-size your virtual infrastructure with powerful reporting and analytics** that ensure maximum ROI.
- ✓ **Ensure success of your IT transformation projects** projects by detecting and resolving performance issues before they impact users.

The Virtualization Performance Challenge

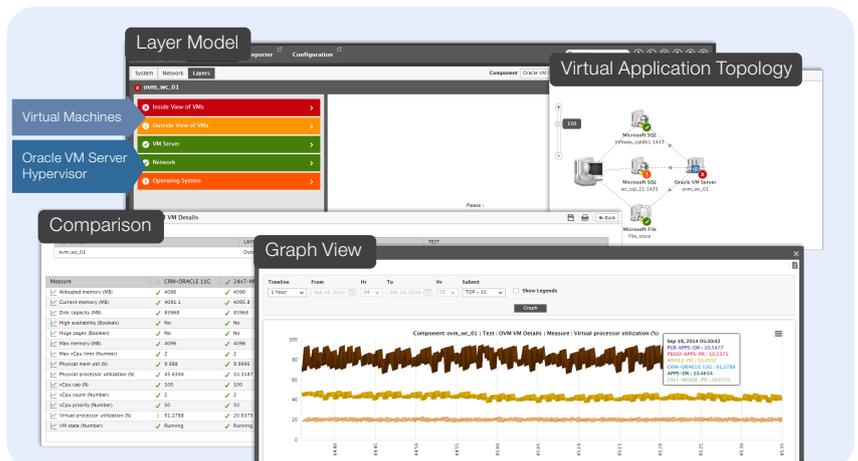
For virtualization to be successful, applications hosted on virtual platforms must provide the same or better performance than when they were hosted on physical systems. Fast and accurate diagnosis of performance problems is a key to gaining the confidence of application owners and end users and achieving the ROI promise of virtualization technologies.

Performance monitoring of the hypervisor is necessary but not sufficient. The toughest performance challenges that administrators face today are often not related to tracking CPU time or memory usage of a hypervisor or its virtual machines (VMs). Instead, the challenge is to find the cause of a performance problem. For instance, is a slow down due to the network, or the database, or the application, or could it be the virtualization platform, or is it the storage tier?

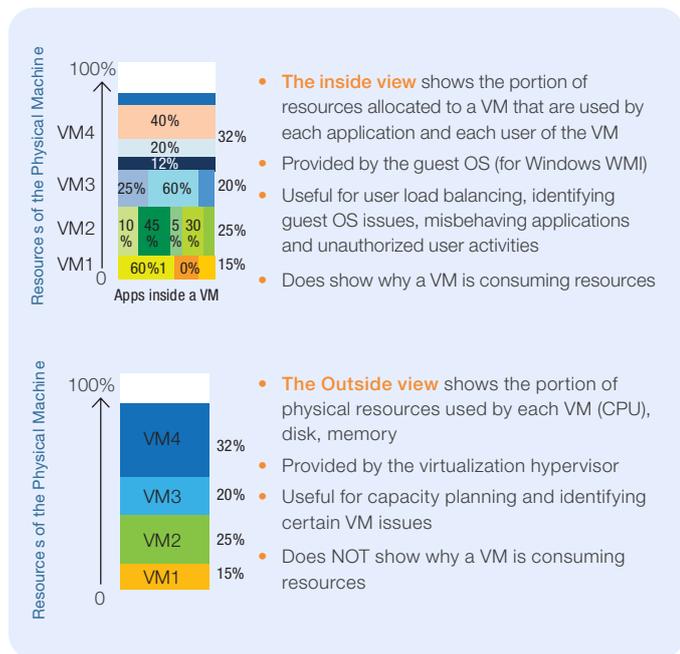
When organizations had a small portion of their infrastructure virtualized, it was possible to rely on management tools that were designed for physical servers and to augment these with monitoring tools that tracked hypervisor performance. As organizations virtualize most of their infrastructures, administrators require truly “virtualization-aware” monitoring tools that can handle the unique challenges that virtualization technology introduces.

The eG Monitor for Oracle VM Server The Only Virtualization-Aware Performance Monitoring Solution

The eG Monitor for Oracle VM Server (the eG Oracle VM Monitor) is a comprehensive monitoring, diagnosis, and reporting solution for infrastructures virtualized using Oracle VM Server. Where traditional tools have monitored the virtualization tier as yet another infrastructure silo, the eG Oracle VM Monitor monitors the virtualization tiers as an integral part of the infrastructure. Only the eG Oracle VM Monitor analyzes and automatically correlates hypervisor and VM performance with the performance of each of the other tiers of the infrastructure to pin-point the exact cause of an issue. To achieve this, the eG Oracle VM Monitor auto-discovers dependencies from application to application, application to VM, VM to physical machine and VM to VM.



The eG Oracle VM Monitor uses this dependency mapping to prioritize alerts and point administrators to the exact root cause of a problem, rather than being distracted by the effects of the problem that are visible in the other tiers. This unique approach delivers deep, actionable insights into the true causes of business service performance issues, and enables administrators to pre-emptively detect, diagnose and fix issues before end users notice.



Only the eG Oracle VM Server Monitor provides integrated and correlated inside and outside views of each Oracle VM Server.

eG's Software A Hit

eG gets it, and it gets IT. The "it" the company gets is business. eG Innovations stood out because its product took a real user problem all the way through the final root cause analysis, and did so in a clear, consistent fashion.

The company's service-level agreement (SLA) awareness was elegant, particularly in that a failure to meet an SLA was a source of system alerts. In the end, the business awareness put eG over the top.

- **Joe Foran**, TechTarget

Complete visibility into Oracle VM Server performance:

- Auto-discovers Oracle VM Servers and for each server, tracks key performance metrics including CPU and memory usage of the hypervisor, resource usage of the control domain, and space usage of file systems.
- Tracks Oracle VM Manager status, the status of the hosts assigned to each of the server pools, status of jobs performed and tracks events occurred on the Oracle VM manager to identify performance anomalies in the virtual infrastructure.

Unparalleled 360 degree performance visibility to VMs:

- Obtains an outside view of a VM from the corresponding Oracle VM Server; reports the power state, disk usage, and key physical resource usage metrics for each VM; allows administrators to identify situations where a single VM takes excessive resources and impacts the performance of other VMs on the same physical server.
- Provides an inside view of a VM by connecting agentless to each of the VMs; provides detailed information about why a VM is taking up resources. E.g., is it due to load, is it a malfunctioning application running inside the VM, or could it be because of insufficient resources in the VM?

Industry-first truly virtualization-aware root-cause diagnosis:

- Discovers inter-application, application to VM, and VM to physical machine dependencies in real-time;
- Analyzes metrics and prioritizes them so the root-cause of a problem is clearly highlighted to administrators. For example: is it the network, database, application, Oracle VM Server ? or storage?

About eG Innovations

eG Innovations is dedicated to helping businesses across the globe transform IT service delivery into a competitive advantage and a center for productivity, growth and profit. Many of the world's largest businesses use eG Enterprise to enhance IT service performance, increase operational efficiency, ensure IT effectiveness and deliver on the ROI promise of transformational IT investments across physical, virtual and cloud environments.

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