

Xangati ESP for Cloud Infrastructure

Cloud Performance Optimization



Only Xangati offers service assurance analytics and performance control to provide a live, second-by-second view into your entire infrastructure with automated remediation and IT efficiency metrics. Xangati increases operational agility of your IT organization to rapidly respond to performance issues, deliver increased IT productivity and ensure a superior end-user experience at lower costs.



VISIBILITY

Xangati ESP correlates and analyzes application-level metrics from hybrid-clouds, virtual servers, virtual desktops and virtual applications to provide deep, granular insights into the overall health of your IT infrastructure and end user quality of experience.

ANALYZE

Xangati adjusts thresholds dynamically based on powerful storm-contention algorithms and machine-learned heuristics, eliminating the need for manual troubleshooting. It discovers the root cause of resource degradation to assist administrators with rapid resolution of issues. On-demand reports show resource contention history, capacity utilization, efficiency and IT proactive measures.

CONTROL

Xangati's in-memory architecture scales to meet the needs of the most demanding IT environments. Xangati cross-references interdependencies for thousands of metrics on a real-time basis; unsurpassed visibility and control of the infrastructure is met without the need to install and manage agents.

Cross-Silo Intelligence

USERS

Gain visibility into per-user resource utilization and quality of experience running virtual applications

APPLICATIONS

Virtualized Windows applications and desktops, modern Web sites & Web applications running in AWS or Azure; micro-services running in Docker containers

CLIENTS

PCs and Macs as well as BYOD mobile devices such as Windows, iOS or Android tablets & smart phones

FRONT-END SERVERS

VMware View, XenDesktop, XenServer, XenApp, Hyper-V or VMware based VMs, Web sites and applications

BACK-END SERVERS

Application servers, databases, basic infrastructure including DNS, LDAP, Active Directory

STORAGE

All key datastore metrics are supported; deeper insights, integration with NetApp storage and EMC; dedicated Storage software dashboard module

COMPONENTS

Other important infrastructure components including Citrix NetScaler ADCs, Cisco UCS Virtual NICs, flow-based technologies

NETWORKING

ESP builds on Xangati's networking DNA by tapping the flows from NetFlow, AppFlow and other protocols without the need for agents or probes

XANGATI ESP FOR CLOUD INFRASTRUCTURE AT-A-GLANCE (priced out separately)

XANGATI ESP for CLOUD INFRASTRUCTURE - MODULES	
Xangati ESP VI Module	Improves performance by tracking all the virtual and physical infrastructure components—including your applications.
Xangati ESP WebApp Module	Collects metrics from HTTP/HTML/CSS Web Servers about users and their applications and correlates those metrics with others collected from the end-to-end IT infrastructure.
Xangati ESP Network Module	Communicates with the networking switches and services by polling them or by receiving “flows” of metrics if they are provided, to get information about latencies and throughput without the need to install agents onto the switches.
Xangati ESP Storage Module	IOPS, throughput and latency are measured at the data store level (reported by the hypervisor) or at the storage system; system shares, iSCSI or Fibre Channel LUNs and CPU utilization and overall network bitrates are also collected.

XANGATI ESP for CLOUD INFRASTRUCTURE - EXTENSIONS	
Xangati ESP Extension for Amazon Web Services (AWS)	Analyzes CPU, Memory and Storage utilization of an organization’s virtual machines and associated objects, and Virtual Private Cloud VMs hosted in an AWS account.
Xangati ESP Extension for Microsoft Azure	Analyzes CPU, Memory and Storage utilization of an organization’s virtual machines and associated objects, and Virtual Private Cloud VMs hosted in an Azure account.
Xangati ESP Extension for Docker Containers	Tracks and correlates metrics for Docker containers and images so that they can be profiled and alerted upon
Xangati ESP Extension for EMC VNX	Monitors storage pools that reports the IOPS, throughput and latency metrics that EMC VNX is contributing to the hypervisors (file, block, unified).
Xangati ESP Extension for NetApp	Storage systems in 7- and C-modes showing the IOPS, throughput and latency that NetApp is delivering to the hypervisors. Additionally, data on NFS or CIFS (Common Internet File System) shares, iSCSI or Fibre Channel LUNs (Logical Unit Numbers) and CPU utilization and overall network bitrates are collected.

XANGATI BUSINESS BENEFITS	
Service Assurance	Track and analyze key performance indicators for infrastructure performance SLA's; optimize operational agility
Define SLAs	300x granular visibility, root cause analysis, predictive analytics, automated remediation advice to bust conventional silos
Increase Productivity	For IT personnel and end-users of virtual servers & desktops, virtual applications and Web applications
Mitigate Risks	With increased control of operations including the ability to predict, remediate and avert resource contention storms
Faster Problem Resolution	Leveraging powerful, easily shared, DVR-like recordings & storm-tracker analytics to accelerate MTTR
Enhance Resource Efficiency	Determine acceptable levels of resource efficiency measured against dynamic thresholds of capacity utilization

“There’s a tipping point and if it’s right at the cusp, you don’t know that. Without something like Xangati that’s grading your performance, you won’t know how close you are to that edge until you’re falling off the cliff.”

- Richard Kreuzburg, Director of IT, Coastal Companies

The Xangati virtual appliance installs easily and provides the industry’s premier comprehensive, end-to-end solution to analyze all key infrastructure components that affect end-user experience.

Request a free trial at <http://xangati.com/downloads>



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