zenoss

Monitoring VMware vSphere
Unified Service Insight for VMware vSphere

Business Challenge

Virtualized environments have increased the speed of business, creating a highly flexible, cost-efficient platform for delivering reliable enterprise services. However, without appropriate management, IT operations teams find it difficult to fully realize the potential of these dynamic infrastructures. Guaranteeing service delivery means knowing, at any point in time, what virtual and physical infrastructure components support a given service and — in the case of service degradation or failure — which component is the most likely root cause of the problem. Unfortunately, IT operations teams typically use multiple tools for monitoring disparate components, creating a fragmented view of service performance and availability and slowing down issue identification and resolution.

Zenoss for Monitoring VMware vSphere

For VMware vSphere environments, Zenoss makes it possible to monitor your entire dynamic infrastructure — whether physical, virtual or cloud-based — in a single interface. **In fact, it performs so well that VMware has chosen Zenoss to manage their own internal IT infrastructure.**

Zenoss monitors VMware infrastructure resources, including VMware vSphere and vCloud, through ZenPacks, which are plug-ins that make it easy for you to collect real-time health and performance metrics from every system in your environment. These ZenPacks collect data from VMware components to create a real-time model of the relationships and dependencies between this infrastructure and the services supported, making it easier to identify the root cause and service impact of incidents affecting VMware systems.

Key Features

Unified User Interface - Monitors VMware virtual machines, ESX servers and clusters, and VMware data stores alongside your physical and cloud resources.
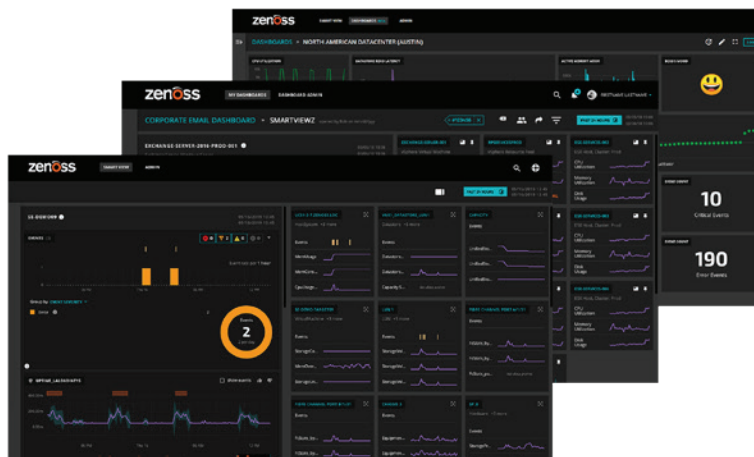
Automated Discovery - Automatically discovers, inventories, and categorizes your complete VMware infrastructure, including virtual hosts and guests, physical servers and VMware data stores whenever they are added, moved or removed. Real-time vMotion detection keeps track of VMs that move between ESX servers.

Performance Monitoring - Tracks real-time availability and performance metrics for all virtualized resources.

Event Management - Integrates all events, faults, errors and alerts from VMware components into a single screen, including vMotion events. Correlates and deduplicates events to prevent event storms.

vSAN Cluster Health Monitoring - Comprehensive health of the entire vSAN cluster with user-driven, on-demand health reporting.

Dynamic Service Impact Analysis - Tracks service dependencies among VMware components and the services they support using our patented service impact model.

Automated Root-Cause Analysis - Uses a patent-pending confidence ranking engine to quickly and automatically identify the likely root cause of VMware performance and availability service events.

Analytics - Helps optimize VMware deployments by generating health, utilization and capacity trend reports.

BENEFITS	DETAILS
Comprehensive, Unified VMware Monitoring	• Unify monitoring across physical, virtual and cloud resources. • Integrate VMware monitoring as part of overall end-to-end IT monitoring processes.
Real-Time, Accurate View of Dynamic Infrastructures	• From a single dashboard, get a real-time view of the state of your VMware-supported IT application services. • Automatically identify VMware components as they are added, moved or removed. • Rich set of graphs to provide insight into the health, status and capacity for vSAN infrastructure elements, e.g., hosts, VMs, disk groups, etc.
Service-Centric View of VMware Environments	• Automatically identify, build, and dynamically maintain a model of relationships between VMware components and the services they support using our patented service impact model. • Provide a clear view into the end-to-end service impact of application, network, storage, virtual hosts and guest issues.
Faster Incident Resolution	• Use patent-pending confidence ranking engine technology to identify the likely root cause of service events. View list of probable causes ranked by confidence level. • Reduce mean time to resolution (MTTR) and minimize service disruptions. • Insight into defined policies across vSAN and corresponding compliance, which helps avoid application downtime because of storage compliance issues.
Optimize VMware Infrastructure	• Track resource utilization trends to accurately plan capacity. • Identify and address common performance issues and event trends before service quality is impacted.
Enterprise Scalability	• Unified, highly scalable platform designed from the ground up to meet monitoring requirements of any size enterprise. • Proven ability to deploy across some of the largest organizations in the world, monitoring tens of thousands of business-critical devices.

About Zenoss

Zenoss works with the world's largest organizations to ensure their IT services and applications are always on. As the leader in software-defined IT operations, Zenoss uniquely collects all types of machine data to build real-time IT service models that train machine learning algorithms to deliver robust AIOps analytics capabilities for all data types, including metrics, dependency data, events and streaming data. This enables IT Ops teams to predict and eliminate outages in hybrid IT environments, dramatically reducing downtime and IT spend. For more information about Zenoss, please visit https://www.zenoss.com.

To learn more, visit our website at **www.zenoss.com**.

ZENOSS IS THE GLOBAL LEADER IN SOFTWARE-DEFINED IT OPERATIONS.