

## Changing IT with Service Assurance for Hybrid Data Centers

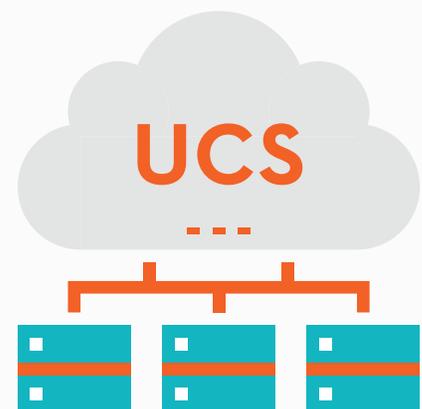
Zenoss is a strategic Cisco partner working closely with Cisco leadership, sales and technology groups to deliver on the shared vision of service assurance for enterprise customers and service providers.

## Delivering Strategic Solutions for Cisco Customers

Our common goal is to provide enterprises and service providers a solution that ensures reliable IT service delivery through monitoring automation, relationship modeling, adaptive dependency discovery, and real-time impact and root cause analysis. Our truly unique partnership enables us to provide Cisco UCS, Cisco ACI and Cisco NFV management solutions that unify monitoring and analytics for all Cisco and non-Cisco data center and cloud environments.

## Zenoss for Cisco Unified Computing System (UCS) Customers

Cisco UCS Performance Manager (UCSPM) is software developed by Zenoss and re-branded by Cisco. Used by thousands of joint customers, UCSPM is designed to manage large and small UCS deployments. Cisco customers can also upgrade to Zenoss Service Assurance (ZSA), which enables service impact capabilities and expands coverage to all Cisco and non-Cisco cloud and data center systems and applications.



### UCS Performance Manager Key Benefits

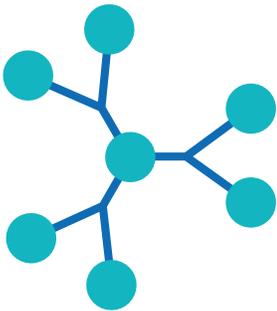
- > Reduces expenses and increases availability with unified performance, capacity, and fault monitoring for Cisco converged infrastructures
- > Enables increased utilization of UCS unified fabric with configuration-aware monitoring of SAN and LAN paths with the UCS domain
- > Decreases risk by ensuring that capacity thresholds are fully understood and potential issues are identified before disruptions occur

Zenoss Service Assurance was jointly developed and is sold exclusively through Cisco. Cisco customers have great flexibility through tiered service options, regardless of the Cisco or non-Cisco infrastructure they are deploying.

With ZSA you can quickly integrate Cisco UCS monitoring into a single, end-to-end view of your service delivery infrastructure. The Zenoss solution provides unified, real-time insight into service levels across physical and virtual resources offering clear visibility into the availability and performance of your Cisco UCS compute resources, bare-metal and virtualized workloads, and networking and storage resources at all times.

### Zenoss Service Assurance Benefits for UCS Customers

- > Improved operational efficiency with comprehensive, unified Cisco UCS monitoring
- > Faster incident resolution with automated root cause analysis for heterogeneous Cisco and non-Cisco environments
- > Complete visibility with a real-time view of dynamic infrastructures
- > Proven enterprise scalability



## ACI

## Zenoss for Cisco Application Centric Infrastructure (ACI)

Cisco ACI accelerates data center application deployments, automates IT tasks, and reduces total cost of ownership (TCO). It accomplishes this using a business-relevant software defined networking (SDN) policy model across networks, servers, storage, security, and services.

Zenoss builds on the foundational ACI elements to complete the picture. When network teams use ACI to define the networking for new applications, Zenoss automatically generates models of the dynamic relationships across the infrastructure that support the applications. Through platform extensions, Zenoss also drives provisioning and orchestration software to enable automated deployment of new systems and applications in production environments.

For customers deploying Cisco ACI, ZSA is delivered by Cisco as an advanced management solution for the core Nexus 9000 series routers.

### Zenoss Benefits for ACI Customers

- > Reduce new application time-to-production by 90%
- > Extend application policy model of ACI to provide end-to-end application infrastructure visibility by including compute, storage, and virtualization
- > Increase efficiency with policy-based monitoring and analysis, built specifically for application policies based on Cisco ACI

## Zenoss for Cisco Network Functions Virtualization Infrastructure (NFVI)

For customers deploying Cisco NFVI, Zenoss provides a centralized management point for performance and capacity management, as well as real-time, full-stack infrastructure monitoring. Cisco NFVI monitoring by Zenoss comes with out-of-the-box monitoring rules and thresholds for UCS integrated infrastructure. The deployment components include a combination of UCS and Nexus systems, the Cisco OpenStack distribution, and ZSA for NFVI.

In NFV environments, orchestration software sets up 'service chains'. A service chain refers to the collection of virtualized network functions and their relationships in a particular part of a particular network. Any one enterprise organization might have dozens, hundreds, or thousands of service chains. Service providers have this multiplied by some number of customers. Zenoss enables an NFV orchestrator to automatically initiate monitoring for virtual network functions (VNFs) as they are created, and constructs impact services that reflect each set of virtualized functions. The result is automated end-to-end service assurance in constantly-changing NFV environments.



## NFVI

### Zenoss Benefits for NFVI Customers

- Automate monitoring of systems and applications in highly fluid NFVI environments
- Ensure service health and reliability at massive scale
- Simplify relationship modeling and accelerate issue root-cause analysis

## Zenoss for Cisco Managed Services

Zenoss is the primary monitoring and management platform supporting Cisco's managed services for data centers, delivering integrated service assurance for cloud and managed services solutions focused on service providers and large enterprise customers. Zenoss provides certified coverage for unified data center components with dynamic, real-time modeling.

To learn more visit our website at [www.zenoss.com](http://www.zenoss.com).

**ZENOSS IS THE GLOBAL LEADER IN HYBRID IT MONITORING AND ANALYTICS SOFTWARE.**