



Virtana Service Observability: Monitoring Cisco UCS

Unified Service Insight for Cisco UCS Integrated Infrastructures

Business Challenge

Organizations implement Cisco Unified Computing Systems (UCS) to improve their ability to quickly and reliably deliver new services to market in a way that reduces both cost and complexity. In addition to providing efficiency and cost savings, integrated infrastructure systems introduce unique IT management opportunities. With proper monitoring, organizations can achieve extremely high levels of resource utilization while maintaining superior service levels.

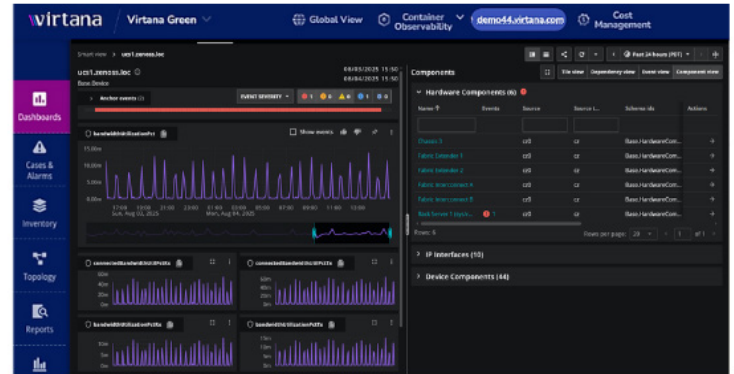
Virtana Service Observability

Virtana Service Observability makes it possible for organizations to quickly integrate Cisco UCS monitoring into a single, end-to-end view of their service delivery infrastructure. The Virtana solution was built from the ground up to address the specific monitoring requirements of dynamic infrastructures, making it possible to give IT unified, real-time insight into service levels across physical and virtual resources. For Cisco UCS, this means you have clear visibility into the availability and performance of your Cisco UCS compute resources, bare-metal and virtualized workloads, and networking and storage resources at any given moment.

Virtana provides complete monitoring of your Cisco UCS environment through a series of integrations – software plugins that easily extend the reach of Virtana Service Observability to any and all components of your service delivery infrastructure. Using a combination of the Cisco UCS integration, the VMware vSphere integration, and the Cisco Devices integration, you can monitor your complete Cisco UCS environment.

Key Features

- Unified user interface – Monitors Cisco UCS components alongside your physical, virtual, and cloud resources.
- Automated discovery – Automatically discovers, inventories, and categorizes Cisco components on your network whenever they are added, moved, or removed.



- Performance monitoring – Tracks real-time usage, throughput, and performance metrics of Cisco UCS components.
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- Event management – Integrates all events, faults, errors, and alerts from Cisco UCS components into a single screen. Correlates and de-duplicates events to prevent event storms.
- Dynamic service impact analysis – Tracks service dependencies among Cisco UCS components and the services they support using our patented Service Impact model.
- Root cause analysis – Uses a patent-pending confidence ranking engine to quickly and automatically identify root cause of Cisco UCS performance and availability service events.
- Analytics – Helps optimize Cisco UCS deployments by generating health, utilization, and capacity trend reports.



Monitoring Cisco UCS with Virtana Service Observability

Benefits

Details

Comprehensive, unified Cisco UCS monitoring

- Unify monitoring across Cisco UCS blade, network, storage, and virtual machine resources.
- Integrate Cisco UCS monitoring as part of overall end-to-end IT monitoring

Real-time, accurate view of dynamic infrastructures

- From a single dashboard, get a real-time view of the state of your Cisco UCS supported IT services.
- Automatically identify Cisco UCS components as they are added, moved, or removed, processes.

Service-centric view of Cisco UCS environments

- Automatically identify, build, and dynamically maintain a model of relationships between Cisco UCS components and the services they support using our patented Service Impact model.
- Visualize workload relationships across VMware, Cisco UCS, storage, and networking.

Faster incident resolution

- Use patent-pending confidence ranking engine technology to automate root cause analysis for Cisco UCS environments. View list of probable causes ranked by confidence level.

Optimize Cisco UCS hardware resources

- 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.