



Virtana Service Observability: Monitoring NetApp FlexPod® Solutions

Unified Service Insight for NetApp FlexPod Solutions

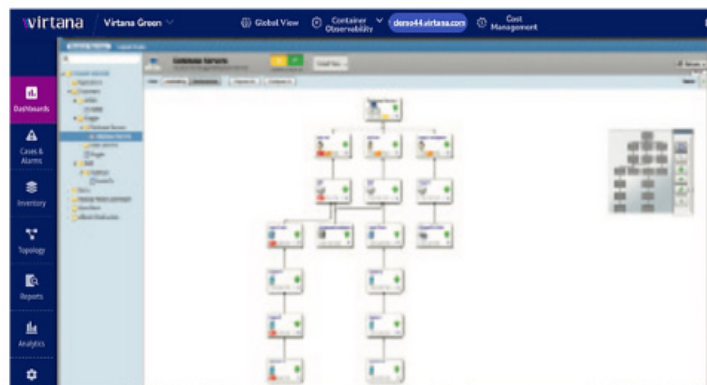
Business Challenge

NetApp FlexPod solutions – which combine NetApp storage systems, Cisco Unified Computing Systems (UCS), and Cisco Nexus fabric into a single, flexible service delivery architecture – help IT Operations teams deliver services faster and more efficiently. With so many different moving parts, IT Operations teams face a unique challenge when it comes to monitoring. Using separate monitoring tools to manage the Cisco UCS compute, Nexus networking, VMware virtualization, and NetApp storage resources introduces additional complexity and keeps IT from having a holistic view of the entire service delivery infrastructure. This fragmentation impedes the ability of IT administrators to quickly identify the cause and impact of problems when they arise.

Virtana Service Observability

Virtana Service Observability provides unified monitoring across the entire dynamic pool of resources in NetApp FlexPod solutions – including all NetApp storage, Cisco UCS compute, Cisco networking, and VMware or Hyper-V virtualization resources. Because Virtana was built from the ground up to address real-time, dynamic technologies, you can easily monitor converged infrastructure alongside your existing physical, virtual, and cloud environments.

This unified monitoring of NetApp FlexPod solutions is accomplished through integrations – software plugins that easily extend the reach of Virtana Service Observability to all of the different components that make up your service delivery infrastructure. Using a combination of the NetApp Storage integration, Cisco UCS Integration, Cisco Devices integration, and VMware vSphere or Microsoft Hyper-V integration, you can monitor your complete FlexPod environment.



Key Features

Unified user interface – Monitors NetApp FlexPod components alongside your physical, virtual, and cloud resources.

- Automated component discovery – Automatically discovers components, inventories, and categorizes NetApp FlexPod components on your network whenever they are added, moved, or removed.
- Performance monitoring – Tracks real-time usage, throughput, and performance metrics for NetApp FlexPod components.
- Event management – Integrates all events, faults, errors, and alerts from NetApp FlexPod components into a single screen. Correlates and de-duplicates events to prevent event storms.
- Dynamic service impact analysis – Tracks service dependencies among NetApp FlexPod components and the services they support.
- Automated root cause analysis – Uses a patent-pending confidence ranking engine to quickly and automatically likely identify root cause of VMware vCloud infrastructure performance and availability issue.

Service Observability for NetApp FlexPod Solutions

Benefits

Details

Comprehensive, unified NetApp FlexPod monitoring

- Unify monitoring across blade, network, storage, and virtual machine resources.
- Integrate NetApp FlexPod 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 NetApp FlexPod- supported IT application services.
- Automatically identify NetApp FlexPod components as they are added, moved, or removed.

Service-centric view of NetApp FlexPod environments

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

Faster incident resolution

- Use patent-pending confidence ranking engine technology to automate root cause analysis for NetApp FlexPod solution environments. View a prioritized list of probable causes ranked by confidence level.

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.