

Combining the Power of Hybrid Multicloud and Deep Observability

Manage, Run Workloads Anywhere and Deliver Effective Security and Monitoring Postures.

Key Benefits

- Combine East-West and perimeter visibility to create an effective security posture
- Real-time understanding of applications currently communicating across an infrastructure
- Simplified access to network intelligence for faster identification of security and performance risks
- [Nutanix gives you the freedom to choose your clouds, your apps and your technology.](#)

Products:

- [Files Storage](#)
- [Nutanix Cloud Infrastructure \(NCI\)](#)
- [Nutanix Unified Storage \(NUS\)](#)
- [Objects Storage](#)

Solutions:

- [Hybrid Multicloud](#)
- [Private Cloud](#)

Ready to get Hands-On?

[Take a Test Drive](#)

The increase in multicloud adoption presents organizations with many benefits and challenges, at the same time. Over the years, complex distributed heterogeneous environments have created the need for an unified infrastructure solution that can manage and run workloads anywhere at any scale, effortlessly. Rapidly evolving infrastructures have created the need for better visibility solutions that can deliver fortified security and performance monitoring postures. Although the challenges behind the multicloud journey can be daunting, achieving success in this journey can be significantly simplified.

With Nutanix, manage datacenters, clouds, and the edge as a single entity from one platform

Nutanix Solves the Toughest Cloud Challenges

Nutanix unites public cloud simplicity and agility with private cloud performance and security. Whether on-premises or hybrid, you'll ensure cost-effective business continuity through unified management, one-click operations, and AI-driven automation.

Effectively Access East-West Traffic to Fortify Security and Monitoring Postures

As infrastructures evolve, a big priority for organizations is ensuring that their environments stay secure while maintaining performance. Both are difficult measures to achieve considering the complex nature of an enterprise infrastructure and the ever-changing threat landscape.

Gaining East-West visibility helps eliminate existing blind spots as an infrastructure evolves to support a multicloud journey. Accessing East-West traffic is critical for the optimal performance of both security and performance monitoring tools by reducing the number of areas that are not being analyzed. This includes container-to-container, VM-to-VM, VPC-to-VPC, and encrypted communications. As teams design their security and monitoring postures, it is important to encompass East-West visibility as part of any strategy to ensure efficient identification of various risks.

As organizations evolve their infrastructure, teams can use Gigamon for accessing East-West traffic to simplify access to critical intelligence, eliminate existing blind spots, instantly identify applications currently communicating laterally, and complement perimeter security strategies to fortify their existing security and monitoring postures.

Solution Overview

- Access network-level visibility across the Nutanix MultiCloud Platform
- Deliver intelligence to GigaVUE Fabric Manager for aggregation, filtering, and optimization
- With Nutanix Cloud Infrastructure (NCI), organizations can efficiently manage data and applications across datacenter, edge, and cloud environments, without the complexity or cost of traditional infrastructure.

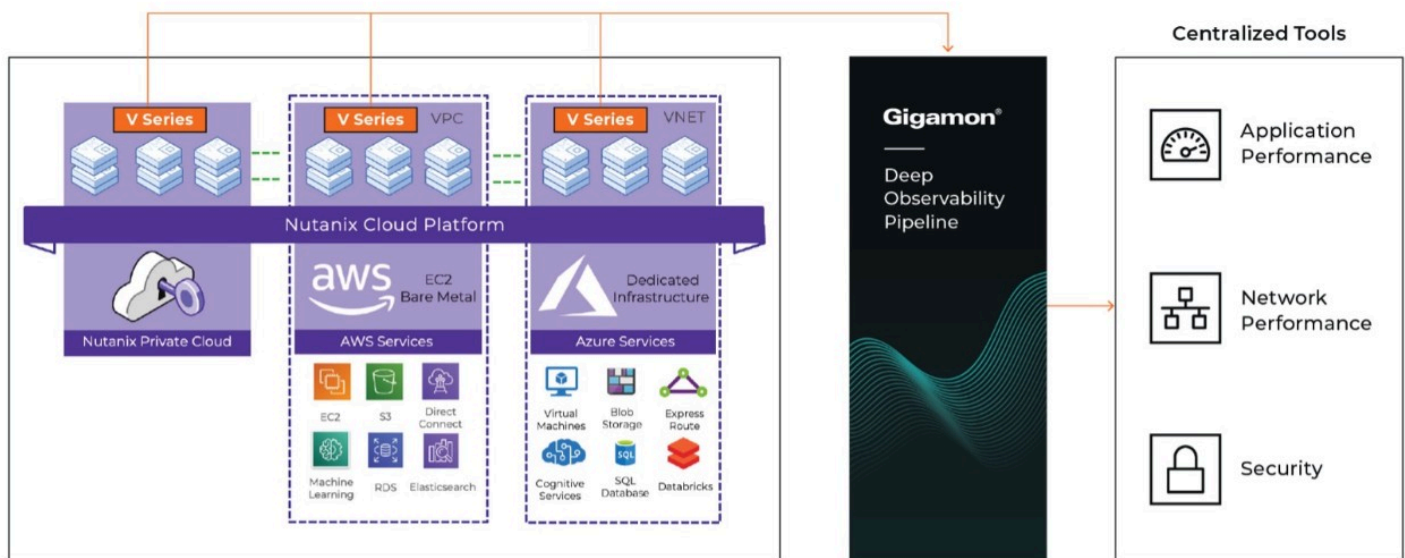
Technical Details

The Gigamon Deep Observability Pipeline accesses traffic communicating across a multicloud infrastructure and distributes the gathered intelligence to the tools an organization uses for security and performance monitoring. Teams also have the option to filter low value traffic, extract metadata, optimize, and decrypt the gathered traffic before sending the intelligence to tools. Altogether, Gigamon eliminates visibility blind spots in East-West traffic while delivering only the intelligence each individual tool needs.

Within the Gigamon Deep Observability Pipeline is GigaVUE-FM. GigaVUE-FM includes patented Flow Mapping® technology that identifies and directs incoming traffic to single or multiple tools based on user defined rules. This helps establish an automated flow of intelligence from traffic access point to tools and simplifies the complexity of gathering the necessary data.

The process between Gigamon and Nutanix works as follows:

- GigaVUE-FM communicates with taps sitting within the Nutanix MultiCloud Platform to access East-West traffic. Physical taps are used within physical datacenters. Universal Cloud Taps (UCTs) are used in virtual environments like private cloud, public cloud, and containers
- Once East-West traffic is accessed by taps, it is then sent to either GigaVUE® HC series appliances in physical datacenters or mirrored to GigaVUE® Visibility Nodes in virtual environments for aggregation, application filtering, extraction of metadata, decryption and optimization of traffic
- The HC series and Visibility Nodes then present an optimized stream of intelligence to each tool, helping manage tool data consumption costs while delivering new security and monitoring use cases



Get Started

An organization's pursuit of a multicloud journey does have plenty of challenges. But, achieving success in your journey can be significantly simplified when leveraging the power of Nutanix and Gigamon. Contact your local Nutanix or Gigamon representative to learn more about how to achieve a successful multicloud journey.

Learn more at www.nutanix.com.

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T. 855.NUTANIX (855.688.2649) | F. 408.916.4039

info@nutanix.com | www.nutanix.com | @nutanix