Gigamon® | NUTANIX

Combine the Power of the Hybrid Multi-Cloud with Deep Observability

Overview

The multi-cloud revolution is here. Are you prepared to seize its full potential? Imagine a world where you can deploy workloads anywhere, at any scale, with unwavering security and performance. It's not just possible, it's within reach. Let's simplify your multi-cloud journey.

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

Eliminating blind spots is crucial for optimal security and performance. Lateral (East-West) visibility achieves this, revealing hidden threats that standard monitoring tools miss. These blind spots—container-to-container, VM-to-VM, VPC-to-VPC, and encrypted communications—expose organizations to significant vulnerabilities. Therefore, incorporating lateral visibility into any security and monitoring strategy is essential.

The explosion of hybrid multi-cloud environments has created a critical challenge: ensuring consistent security and performance across hybrid and multicloud infrastructure. Gigamon and Nutanix have partnered to deliver an integrated solution that directly addresses this complexity, enabling organizations to manage workloads anywhere with unwavering security and performance.

The Gigamon Deep Observability Pipeline provides the foundation. By accessing lateral traffic across your hybrid multi-cloud, Gigamon eliminates security blind spots and delivers enriched metadata to your existing security and monitoring tools. This "deep observability" empowers you to understand application communications, filter out noise, and proactively address threats.

Nutanix simplifies your infrastructure, consolidating compute, storage, networking, and virtualization into a single, resilient platform. This eliminates silos, enhances agility, and delivers the performance required for dynamic workloads. With robust automation and built-in security, Nutanix reduces operational overhead and minimizes risk, allowing you to focus on strategic initiatives.

The combined power of Gigamon and Nutanix provides a unified approach to hybrid multi-cloud management. Deep observability from Gigamon enhances Nutanix's robust platform, ensuring consistent and robust security and performance regardless of where your workloads reside. This partnership delivers cost-effective business continuity, unified management, and AI-driven automation, enabling you to confidently navigate the complexities of your cloud journey.

The Challenge

Organizations face significant hurdles in managing modern IT environments, including:

- **Infrastructure Silos:** Disparate compute, storage, networking, and virtualization systems hinder efficient operations and compromise security and performance monitoring.

- **Scalability Bottlenecks:** Rapidly scaling infrastructure without disruptive hardware upgrades is challenging. Each change risks introducing new security blind spots.

- **Escalating Operational Costs:** Inefficient resource utilization, limited automation, and lack of security and performance insights can drive up operational expenses.

- **Performance Degradation:** Complex infrastructure and limited visibility lead to performance bottlenecks, impacting critical applications and services.

- **Security Vulnerabilities:** Slow threat detection and incident response leave organizations exposed to evolving cyber threats.

The Solution

Gigamon and Nutanix work together to provide comprehensive visibility and security across your hybrid multi-cloud environment. Here's how:

- Gigamon's GigaVUE-FM integrates seamlessly with the Nutanix Multi-Cloud Platform, using network taps to access lateral (East-West) traffic. Whether in physical data centers, virtual or container environments like private and public clouds, Gigamon captures the network-derived intelligence you need.

- This traffic is then mirrored to Gigamon GigaVUE Visibility Nodes, where it's aggregated, filtered, and enriched with metadata. Gigamon deep packet inspection optimizes the traffic, removing unnecessary data, efficiently delivering it to your security and monitoring tools.

The result? An optimized stream of network-derived intelligence delivered to your existing tools. This reduces tool overload and ensures consistent security and monitoring across your entire infrastructure, saving you money and valuable time.
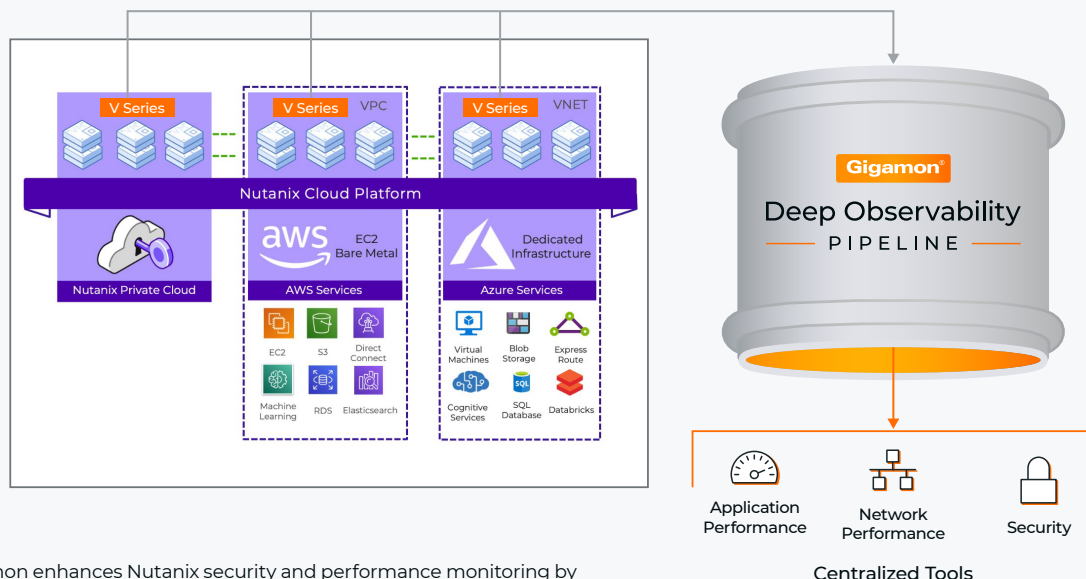

Figure 1. Gigamon enhances Nutanix security and performance monitoring by delivering rich network intelligence to existing security and monitoring tools.

Key Features

- **Gain Deep Application Context:** Extract metadata to understand activity across your infrastructure.
- **Centralized East-West Visibility:** Monitor all lateral traffic across any environment.
- **Optimize Tool Performance:** Efficiently deliver network intelligence to security and monitoring tools.
- **Identify Network Communication:** Discover which applications are communicating across your network.

Key Benefits

- **Real-Time Application Visibility:** See which applications are communicating across your hybrid multi-cloud, instantly.
- **Faster Security and Performance Insights:** Access network-derived intelligence easily to quickly identify and address risks and performance issues.
- **Complete Infrastructure Control:** Choose your clouds, apps, and tools without limitations.

Summary

Don't just adapt to change, take charge. Gigamon and Nutanix deliver the strategic advantage you need to build an agile, secure, and future-proof infrastructure.

Gain unparalleled deep observability, simplify management, and stay ahead of emerging threats, placing your organization firmly in control.

About Nutanix

Nutanix is a global leader in cloud software, offering organizations a single platform for running applications and managing data, anywhere. With Nutanix, companies can reduce complexity and simplify operations, freeing them to focus on their business outcomes. Building on its legacy as the pioneer of hyperconverged infrastructure, Nutanix is trusted by companies worldwide to power hybrid multicloud environments consistently, simply, and cost-effectively. Learn more at www.nutanix.com or follow us on social media @nutanix.

About Gigamon

Gigamon® offers a deep observability pipeline that efficiently delivers network-derived intelligence to cloud, security, and observability tools. This helps eliminate security blind spots and reduce tool costs, enabling you to better secure and manage your hybrid cloud infrastructure. Gigamon has served more than 4,000 customers worldwide, including over 80 percent of Fortune 100 enterprises, 9 of the 10 largest mobile network providers, and hundreds of governments and educational organizations. To learn more, please visit gigamon.com.

For more information on Gigamon and Nutanix, please visit
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