Application & Security Assurance for VMware Cloud on AWS with nGeniusONE Platform from NETSCOUT

NETSCOUT STRENGTHS

Innovation

Leadership in wire traffic analysis with patented ASI Technology

Dependability

Dedicated to delivering service assurance and security solutions to enterprise customers around the world

Scalability and Scope

Solutions deployed in the world's largest, most complex government, enterprise and service provider environments

Commitment

- VMware Technology Alliance Partner (TAP) – Advanced Tier
- Partner Ready for VMware Cloud on AWS – Validation Complete

VMware Cloud on AWS with nGeniusONE Use Cases

- Maintain high quality performance and application availability with visibility into services as you migrate from private to public cloud environments, including VMware Cloud on AWS for service assurance.
- Understand the interdependencies of services and interactions with the broader IT infrastructure across the VMware Cloud on AWS environment.
- Gain holistic views of application health in hybrid environments including VMware Cloud for AWS, VMware, VMware NSX, and non-virtualized legacy servers and networks.
- Track and trend service volume and activity for evidence-based planning and budgeting.

PARTNER READY
VMWARE CLOUD ON AWS

The Need for Application Visibility Across the Cloud

Enterprises are seeking new levels of operational efficiency, business process agility, and enhanced security to increase revenue and competitiveness, which in many cases have propelled them to implement transformative digital technologies. VMware Cloud on AWS is one such digital transformation. As you migrate and operate across hybrid cloud environments, your bottom line depends on continuous availability and quality end-user experience; anything less puts your business at risk. What is needed is a service assurance solution that eliminates blind spots and provides a seamless view that will scale across your VMware Cloud on AWS, the ever-expanding hybrid cloud, and legacy environments.

Enterprise organizations have depended on wire-based, application layer-7 visibility for service and security assurance capabilities in their legacy data centers and require the same visibility in their cloud environments. Pinpointing the root cause of disruptions across the hybrid cloud environments can be significantly delayed if IT staff lack economical visibility or are using inefficient point tools, especially across a complex service delivery path.

NETSCOUT's nGeniusONE for VMware Cloud on AWS

It is essential to maintain the performance of applications and services across any cloud environment, including VMware Cloud on AWS. And discovering the root cause of disruptions has only become more challenging. IT personnel must quickly resolve issues that arise (reduce Mean-Time-to-Resolution – MTTR) to ensure application availability and, ultimately, a quality customer experience. This challenge is further compounded by the complexity of enterprise multi-cloud strategies and the wide variety of network, application, infrastructure, and security issues that can impact services delivery to end-users.

NETSCOUT® has partnered with VMware to provide the most complete wire-data visibility solution that, to-date, was unavailable, to gain visibility across your VMware Cloud on AWS environment.

To maintain the performance of applications, it is essential to be able to understand the interdependencies of the services and interactions with the broader IT infrastructure that includes the VMware Cloud on AWS environment. The nGeniusONE® Service Assurance platform delivers rich Adaptive Service Intelligence™ (ASI) technology into VMware Cloud on AWS, as well as on-premise VMware and hybrid cloud environments. The smart data provided by vSCOUT™ and vSTREAM™ is consumed by NETSCOUT's nGeniusONE Service Assurance platform to deliver smart analytics. NETSCOUT can leverage the power of wire data through its patented ASI technology and is designed to scale to the needs of the world's largest enterprises and service providers.

- Meet business objectives and reduce service slowdowns and disruptions as you migrate to VMware Cloud on AWS with confidence, using smart data and smarter analytics from nGeniusONE, vSCOUT and vSTREAM.
- Solve problems rapidly and economically with more complete traffic visibility to monitor packets flowing into and out of the application servers, including those in a micro-services architecture application.
- Extend the value of the nGeniusONE Service Assurance solution with vSTREAM, a platform for extending the many ways that wire data can be used.

ABOUT NETSCOUT

NETSCOUT Systems is a leading provider of business assurance, a powerful combination of service assurance, cybersecurity, and business intelligence solutions with a focus on protecting digital business services against disruptions in availability, performance, and security. As a visionary and committed VMware partner, NETSCOUT has the experience and resources to help organizations migrate to VMware Cloud on AWS environments and minimize the disruptions that can come with digital transformation.

COMPATIBILITY

Partner Solution: nGeniusONE Service Assurance Platform for VMware Cloud on AWS 6.1.1

Unrivaled Application Visibility

Unrivaled visibility into business services along with contextual workflows to speed problem resolution are available with the vSCOUT and vSTREAM and nGeniusONE, making the solution both easy for a Level 1 responder to use and powerful for an expert to operate. Rather than looking at individual elements in isolation, the nGeniusONE solution offers an overarching view into the performance characteristics of applications and user experience. These views expose underlying service dependencies that help IT teams to more effectively manage health, availability, security, and user experience issues across VMware Cloud on AWS deployments.

vSCOUT and vSTREAM in combination with the nGeniusONE platform:

- Reports critical key performance indicators (KPIs) for user experience, application performance, and application and network errors
- Delivers automated Service Dependency mapping that exposes the connectivity between applications, servers and users
- Provides Service Dashboard rollups of application performance throughout the communications path – branch office through hybrid cloud
- Continues reporting on application behavior regardless of virtual machine / container location or movement
- Provides continuous monitoring and trending of data in customizable reports for use by IT staff and business stakeholders

How it Works

nGeniusONE, with industry-leading support for more than 1,000 voice, video, and data applications, uses smart data from vSCOUT and vSTREAM to generate smarter analytics that pinpoint the source of application disruptions impacting the user community. NetOps, AppOps, and Cloud architects alike can collaboratively use ASI-based packet data to provide a complete view of application flows for service triage, proactive monitoring, and deployment readiness before, during, and after migrating to VMware Cloud on AWS.

To maintain the performance of applications, it is essential to be able to understand the interdependencies of the services across the VMware Cloud on AWS environment. ASI analysis with vSCOUT and vSTREAM generates key performance indicators (KPIs) that are consumed and viewed in nGeniusONE. All of NETSCOUT's ASI-based monitoring platforms are integrated with the nGeniusONE Service Assurance platform to provide a common set of metadata analytics.

vSCOUT can be configured to forward copies of packets to a NETSCOUT vSTREAM virtual appliance or InfiniStreamNG for full ASI functionality including real-time views of sessions, conversation details, end-to-end call-trace data, and packet storage and analysis.
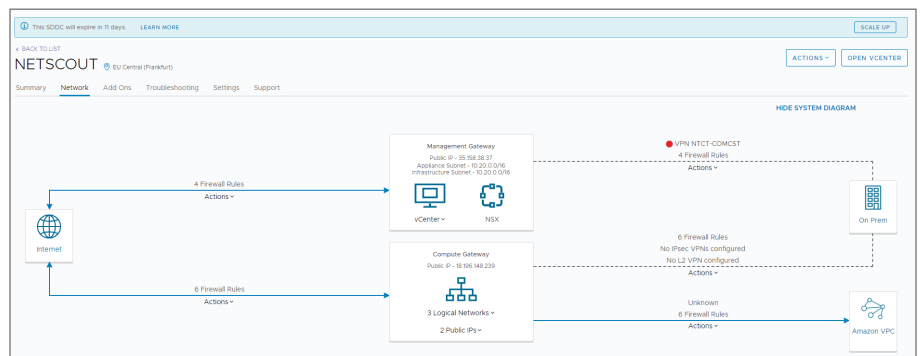

Figure 1: NETSCOUT extends the power of packet data and ASI directly into the heart of an enterprise's mission critical applications – on- or off-premises; on bare metal, in private or public cloud, including VMware Cloud on AWS.

LEARN MORE

See Our Solutions in the VMware Solution Exchange:

https://marketplace.vmware.com/vsx/company/netscout-systems-inc

Key Benefits

- Meet business objectives as you migrate to VMware Cloud on AWS with confidence, using smart data and analytics from nGeniusONE, vSCOUT, and vSTREAM.
- Solve problems rapidly and economically with more complete visibility into East-West as well as North-South traffic by using vSCOUT to monitor packets flowing into and out of the application servers, including those in a micro-services architecture application.
- Reduce MTTR and improve IT productivity with true visibility into the health of application components, their interdependencies, and interactions with the broader IT infrastructure.
- Extend the value of the nGeniusONE Service Assurance solution with vSTREAM, a platform for extending the many ways that wire data can be used.
- Bridge the collaboration and knowledge gaps between application, server, cloud, and network operations teams as they operate in the VMware Cloud on AWS, as well as across their NSX, hybrid cloud, and legacy environments.

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