

vSTREAM

HIGHLIGHTS

- vSTREAM® for private / public cloud and virtual environments
- Provides smart data for smart analytics by nGeniusONE®
- Part of nGenius® solution for business edge and user experience monitoring
- Supports public cloud partners including AWS, Azure, GCP
- Supports VMware™, OpenStack™, Hyper-V, and KVM private cloud
- Supports installation on target servers running Linux, Windows Server

vSTREAM for Observability

The NETSCOUT® vSTREAM complements existing Adaptive Service Intelligence® (ASI)-based instrumentation to provide the same smart data visibility within the cloud and virtualized infrastructures that is already possible in physical environments. This provides superior end-to-end analytics, adding east-west traffic monitoring to help identify performance problems and security issues wherever they occur. Key functionality of the vSTREAM includes:

- Insight into packet traffic and application workloads, providing IT organizations observability for performance management and cybersecurity purposes.
- nGeniusONE views and analysis of end-to-end call trace data, network-wide KPIs, alerts, network and application error details, specialized service monitors, and packet decodes.
- Proactive monitoring, troubleshooting, baselines, and dependencies to protect end-user experience, as well as the reliability and availability of application and network services.

Deployment

From a use case perspective, vSTREAM can be used in Software-Defined Networks (SDNs), private and public cloud, co-locations (co-lo), and branches. The different scenarios vSTREAM can be deployed include a dedicated virtual appliance, an agent installed on a target virtual machine, or as a container/pod. Supported in the world's largest and most demanding hybrid cloud environments, including Amazon Web Services (AWS), Microsoft Azure (Azure), and Google Cloud Platform (GCP), vSTREAM is both easy to deploy and easy to manage.

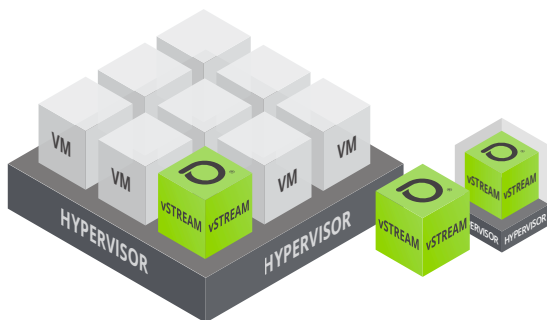


Figure 1: Scalable from a single local nGeniusONE server supporting from 5 to 50 monitored interfaces to large, distributed deployments supporting many more interfaces in much larger deployments using multiple nGeniusONE servers.

For virtualized environments, vSTREAM supports deployment in VMware ESXi, OpenStack, Microsoft Hyper-V, and KVM private cloud, providing visibility to critical network data that is lost when key network functions and applications are virtualized. It is ideal for real-time observability of business-critical traffic running either locally, on a host, or as an aggregation point for multiple hosts.

The agent form of vSTREAM can be installed on bare-metal or can be co-resident with the workload, running in the same Operating System (OS) as the target application(s).

vSTREAM can be deployed in tandem with InfiniStreamNG® software and hardware appliances to provide seamless, end-to-end, ASI-based analysis across the entire network and application service infrastructure.

SPECIFICATIONS

vSTREAM Virtual Appliance

Hypervisors	VMware vSphere ESXi Standard, Enterprise, or Enterprise Plus running ESXi 8.0 or 7.0 Ubuntu/KVM 24.04, 22.04, 20.04 Oracle/KVM 9.5, 8.10 Hyper-V (Windows Server 2022, 2016, 2012R2) Nutanix AHV 20220304.462 (AOS 6.8.1) OpenStack OSP 17 (Wallaby) or OSP 16 (Train)
vSwitches	VMware vSphere VSS & VDS Open vSwitch (OVN) AWS VPC Traffic Mirroring GCP Packet Mirroring
Public Clouds	Amazon Web Services (AWS) – AWS Marketplace Certified Microsoft Azure Certified – Azure Marketplace Google Cloud Platform
Virtual Interfaces	1 Management and up to 4 Monitoring
Network Optimization	Built with Intel Data Plane Development Kit (DPDK) PCI Passthrough support SR-IOV support
vCPU	1 or more (depending on configuration)
Memory	2 GB RAM or more (depending on configuration)
vSTREAM Disk	100 GB
Packet Capture Disk	Configurable

vSTREAM Agent

Guest Operating Systems	RedHat Enterprise Linux 9.2, 9.0, 8.2-8.7, 7.0-7.9 CentOS 7.0-7.9 Oracle Linux 9.2, 9.0, 8.2-8.7 Rocky Linux 9.0-9.3 Amazon Linux 2 - All versions Ubuntu 24.04, 22.04, 20.04
vCPU	1 or more (depending on configuration)
vSTREAM Disk	N/A – Uses host OS Storage

nGeniusONE Solution

NETSCOUT's nGeniusONE solution provides business edge observability and user experience insights from real-time, contextual analysis of service, network, and application performance.

Available on both hardware and virtual platforms, nGeniusONE provides top-down workflows that support faster IT troubleshooting across data center, hybrid cloud, and virtual environments.

ASI Technology

ASI technology transforms network traffic and synthetic testing results into Smart Data, providing real-time observability into user experience to ensure security, manage risk, and drive service performance.

**Learn more about ISNG appliance options
for the enterprise by visiting:**

www.netscout.com/product/isng-platform



For more information visit: [netscout.com](https://www.netscout.com)