Providius offers cutting-edge solutions that passively analyze both the IT and the broadcast side of operations, providing a clear and concise picture of your systems in real-time. The unique combination of network telemetry and media analysis on a single dashboard is what sets Providius apart, making us the trusted partner of numerous organizations worldwide.
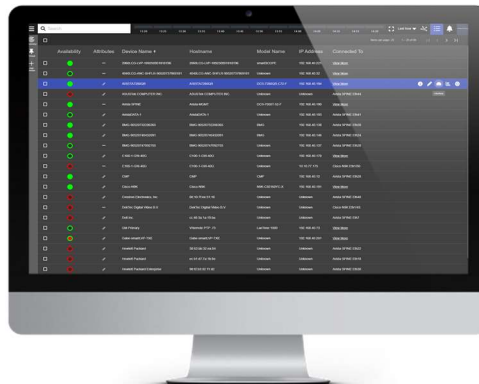
Network Visualization & Real-time Telemetry (NVRT)

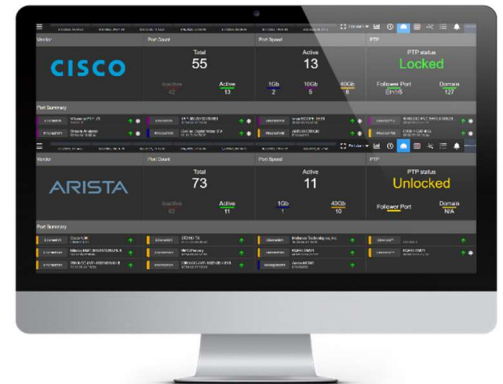## NVRT eliminates the finger-pointing between broadcast & IT by answering:

- ✓ What is connected to the network right now?

- ✓ What media is routed currently across the network?

- ✓ Where did this multicast originate from where is it being received?

- ✓ What are the port bandwidth utilization and flow metrics for the trunk ports?

- ✓ Where are all the multicast transports routed currently across my network?

- ✓ What is the health of my PTP system, is PTP locked where expected?

- ✓ What is the multicast route history log for the network?

NVRT Real-time Topology Dashboard

NVRT Asset Inventory Dashboard

NVRT Network Switch Dashboard

Key Features

- ✓ Intelligent real-time network topology mapping and inventory management

- ✓ Network switch telemetry to simplify diagnostic investigation

- ✓ Identify and track multicast media, including path tracing across the network

- ✓ Monitor the health and availability of the entire PTP ecosystem

- ✓ VM or bare metal deployments accessed anywhere using secure web UI

NETWORK VISUALIZATION & REAL-TIME TELEMETRY

NVRT is used to manage, monitor, and maintain media networks. It is a requirement for every network where media is being delivered as it ensures the system is running smoothly and can proactively diagnose issues in real time.

➢ A vendor-agnostic enterprise software suite designed to provide network and media telemetry across all broadcast infrastructures, including all-IP, hybrid IP-SDI, and WAN.

➢ Providing the visibility needed to swiftly diagnose network-related issues and attain optimal system availability and enhanced performance

➢ NVRT is an indispensable and reliable software for Engineering, Operations, and System Integration.

NVRT PTP Telemetry Dashboard

NVRT Network Port Dashboard

BENEFITS

Improved network performance:
NVRT can help identify and troubleshoot problems that may be related to the performance of the network itself, like bandwidth, data errors, IP address conflicts, and orphaned routes.

Increased efficiency:
NVRT can help automate many tasks, such as asset management, alarm monitoring, device configuration, and media tracing which saves time and improves productivity.

Enhanced visibility:
NVRT provides detailed information about the network, including device security, PTP, and connectivity status. Live auto-generated mapping makes it easy to understand the network architecture and dependencies. Avoid disruption by detecting changes in real-time plus receive notifications regarding intrusions and other network events.

Production Trucks / OB

Broadcast Networks

Live Production ST 2110/ST 2022

Venues & Live Events

Media Head Ends

Transmission Facilities

ORDERING INFORMATION:

PKG-NVRT-SYS-ENTRY

Includes support for auto-discovery of the network, single telemetry license, **one (1)** unique network switch device model (user must provide model #), and single user seat. Supports up to 250 total connected assets. Includes pathfind searching of a multicast flow with fusion access, 3rd party device monitoring with SNMP alarming.

PKG-NVRT-SYS-SMALL

Includes support for auto-discovery of the network, single telemetry license, **two (2)** unique network switch device model (user must provide model #), and single user seat. Supports up to 500 total connected assets. Includes pathfind searching of a multicast flow with fusion access, 3rd party device monitoring with SNMP alarming. Includes **one (1)** BMG base license for stream verification and PTP analysis (each BMG is capable of <30x 1080p 3G Uncompressed Streams / <100x Compressed Streams per BMG Base license)

PKG-NVRT-SYS-MED

Includes support for auto-discovery of the network, single telemetry license, **three (3)** unique network switch device model (user must provide model #), single user seat. Supports up to 1000 total connected assets. Includes pathfind searching of a multicast flow with fusion access, 3rd party device monitoring with SNMP alarming. Includes **two (2)** BMG base license for stream verification and PTP analysis (each BMG is capable of <30x 1080p 3G Uncompressed Streams / <100x Compressed Streams per BMG Base license)

PKG-NVRT-SYS-LRG

Includes support for auto-discovery of the network, single telemetry license, **four (4)** unique network switch device model (user must provide model #), single user seat. Supports up to 2000 total connected assets. Includes pathfind searching of a multicast flow with fusion access, 3rd party device monitoring with SNMP alarming. Includes **three (3)** BMG base license for stream verification and PTP analysis (each BMG is capable of <30x 1080p 3G Uncompressed Streams / <100x Compressed Streams per BMG Base license)

PKG-NVRT-SYS-TRUCK

Includes support for auto-discovery of the network, single telemetry license, **one (1)** unique network switch device model (user must provide model #), single user seat. Supports up to **250** total connected assets. Includes pathfind searching of a multicast flow with fusion access, 3rd party device monitoring with SNMP alarming. Includes **one (1)** BMG base license for stream verification and PTP analysis (each virtual BMG is capable of <12x 1080p 3G Uncompressed Streams / <25x Compressed Streams per BMG Base license)

Compute Hardware (Optional)

SRV-2CPU-1TB	1RU, Dual XEON, 1TB HDD
SRV-2CPU-8TB	1RU, Dual XEON, 8TB HDD
SRV-2CPU-100GB-1TB	1RU, Dual XEON, Dual NIC up to 100Gb/s, 1TB HDD
SRV-2CPU-100GB-8TB	1RU, Dual XEON, Dual NIC up to 100Gb/s, 8TB HDD
QSFP28-10MSR4-AR	Arista Compatible, QSFP28 100G-SR4 850nm 10m
QSFP28-10MSR4-CO	Cisco Compatible, QSFP28 100G-SR4 850nm 10m

Network Visibility

Inventory Management

Network Telemetry

About Us

For nearly a decade, Providius has been a pioneering force in the Media & Entertainment industry, delivering unparalleled solutions to the most pressing challenges faced by organizations utilizing IP media and IT infrastructures in high-stakes, mission-critical environments.

Providius Corp. is a privately held company headquartered in Ontario, Canada

Contact: sales@providius.com