Press release

RTI to Bring Data-Centric Connectivity to NVIDIA Holoscan with RTI Connext

Connext enables real-time, distributed connectivity for AI-powered applications

SUNNYVALE (USA)/London, June 25, 2024 – Real-Time Innovations (RTI), the infrastructure software company for smart-world systems, today announced its collaboration with [NVIDIA](#) to deliver real-time data connectivity for the [NVIDIA Holoscan software development kit (SDK)](#) with RTI Connext. Product teams can now efficiently build and deploy AI-enabled applications and distributed systems that leverage low-latency and reliable data sharing for sensor and video processing. Connext facilitates interoperable and real-time communication for complex, intelligent systems in the healthcare industry and beyond.

When it comes to delivering AI-enabled sensor processing applications, developers need systems that have access to distributed, reliable, and continuous data streaming across a number of different devices and data sources. RTI provides a connectivity framework for the NVIDIA Holoscan SDK, offering scalable and flexible integration across various systems and sensors to complement its powerful AI capabilities.

"Connectivity is the foundation for cutting-edge technologies, such as AI, that are transforming the medtech industry and beyond," said Darren Porras, Market Development Manager, Medical at RTI. "We're proud to work with NVIDIA to harness the transformative power of AI to revolutionize healthcare. By providing competitive, tailored solutions, we are paving the way for sustainable business value across the healthcare, automotive, and industrial sectors, marking an important step toward a future where technology enhances the quality of life and drives innovation."

Connext now integrates with NVIDIA's AI sensor processing pipelines and [reference workflows](#), bolstering data flows and real-time AI processing across a system of systems. With capabilities for real-time visualization and data-

driven insights, the technologies will help drive more precise and automated minimally invasive procedures, clinical monitoring, and next-generation medical imaging platforms, as well as smarter, integrated systems across industries.

"Enterprises are looking for advanced software-defined architectures that deliver on low latency, flexibility, reliability, scalability, and cybersecurity," said David Niewoldny, Director of Business Development for Healthcare and Medical at NVIDIA. "With RTI Connext and NVIDIA Holoscan, medical technology developers can accelerate their software-defined product visions by leveraging infrastructure purposely-built for healthcare applications."

Based on the [Data Distribution Service (DDS) standard](#), Connext is field-proven across many industries to communicate data with the highest level of reliability. Offering advanced capabilities and backed by global engineering and support teams, Connext has brought technical success to more than 2,000 programs. Connext allows applications to work together as one.

NVIDIA Holoscan offers the software and hardware needed to build AI applications and deploy sensor processing capabilities from edge to cloud, helping companies explore new capabilities, accelerate time to market, and lower costs. NVIDIA Holoscan now supports interoperability with a wide range of legacy systems, such as Windows-based medical devices, real-time operating system nodes in surgical robotic systems, and patient monitoring systems, through RTI Connext.

For more information about RTI Connext, download a free trial of the latest, fully functional [Connext software today](#).

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Picture:

BU: Darren Porras, Market Development Manager, Medical with RTI
(source: RTI)

BU: With RTI Connext and NVIDIA Holoscan, medical technology developers can accelerate their software-defined product visions
(source: iStock-1530778805)

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About RTI (www.rti.com)**:**
Real-Time Innovations (RTI) is the infrastructure software company for smart-world systems. RTI Connext is the world's leading software framework for intelligent distributed systems. Uniquely, Connext users can build systems that combine advanced sensing, fast control, and AI algorithms.
RTI is the market leader in products compliant with the Data Distribution Service (DDS) standard. With 2,000 customer designs, RTI excels at getting customers to production. RTI software runs over 250 autonomous vehicle programs, supports dozens of automotive ADAS and software-defined architectures, controls the largest power plants in North America, integrates over 400 major defense programs, drives a new generation of MedTech systems and robotics, and underlies Canada's air-traffic control and NASA's launch control systems.
RTI runs a smarter world.

RTI is privately held and headquartered in Silicon Valley with regional offices in Colorado, Spain, and Singapore.

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