RTI Connext DDS provides an open architecture connectivity framework that is fast, scalable, reliable, and secure, both within the network and between land, sea, air, cyber and space-based systems. With its interoperability, portability, loose-coupling and real-time Quality of Service (QoS), Connext DDS is the preeminent software connectivity foundation for mission-critical aerospace and defense systems.
PROVEN IN OVER 1,500 DEPLOYMENTS

General Atomics Aeronautical Systems, Inc.
General Atomics (GA) Advanced Cockpit Ground Control Stations deliver real-time data acquisition, analysis, and response for unmanned aircraft systems. GA selected RTI Connext DDS to simplify application code and speed development. The solution was delivered in less than 14 months, significantly faster than in-house development or alternative software.

Zumwalt DDG 1000
RTI Connext DDS software coordinates and manages complex, diverse onboard hardware and software systems. These include hundreds of computers, thousands of applications and more than 10 million publish-subscribe pairs.

General Dynamics Littoral Combat Ship (LCS)
RTI’s software connects disparate systems, interoperates across multiple programming languages and operating systems, and handles disadvantaged links and legacy interfaces for the US Navy LCS.

Aurora Flight Sciences
Aurora Flight Sciences’ ALIAS (Aircrew Labor In-cockpit Automation System) is a minimally invasive robotic copilot. It combines manipulation and machine vision to actuate aircraft controls and perceive aircraft instruments. RTI Connext DDS integrates advanced software and controls into an open, adaptable architecture.

U.S. Navy
The U.S. Navy’s Ship Self Defense System (SSDS) is the “last line of defense” coordinating high-speed radar systems, targeting defensive missiles and directing 1,000+ rounds/second at incoming cruise missiles. RTI Connext DDS delivers these critical messages in real-time.

Airbus Group
The Airbus A³ Vahana was the first certified, electric self-piloted vertical take-off and landing (VTOL) passenger aircraft. RTI Connext DDS was implemented as the airframe connectivity framework, integrating the aircraft’s diverse systems with an open standard technology, greatly simplifying platform modularity and design integration.

Raytheon Ship-Wide Area Network (SWAN)
The SWAN on the US Navy LPD-17 runs machinery, damage control, steering, magnetic signature, mission control, navigation and communications. RTI Connext DDS supports redundant networks, data and sensors without servers.

National Aeronautics and Space Administration (NASA)
NASA’s Human-Robotic Systems Program prototypes robots for extraterrestrial surfaces. The project coordinates four NASA centers building different robots to operate in realistic environments including over low-bandwidth, high-delay communications. Connext DDS provides these systems with one common architecture.

 ABOUT RTI
Real-Time Innovations (RTI) is the largest software framework provider for smart machines and real-world systems. The company’s RTI Connext® product enables intelligent architecture by sharing information in real time, making large applications work together as one.

With over 1,500 deployments, RTI software runs the largest power plants in North America, connects perception to control in vehicles, coordinates combat management on US Navy ships, drives a new generation of medical robotics, controls hyperloop and flying cars, and provides 24/7 medical intelligence for hospital patients and emergency victims.

RTI is the best in the world at connecting intelligent, distributed systems. These systems improve medical care, make our roads safer, improve energy use, and protect our freedom.

RTI is the leading vendor of products compliant with the Object Management Group® (OMG) Data Distribution Service™ (DDS) standard. RTI is privately held and headquartered in Sunnyvale, California with regional headquarters in Spain and Singapore.


Compliance
DUNS: 797755883
CAGE: 03FH8
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