

Press release

Mocana and RTI Partner to Deliver Connectivity Solutions for Mission-Critical Industrial IoT Systems

Integration of Mocana IoT Device Security Platform and RTI Connex Databus Provides the Performance and Security for the Most Demanding Industrial Systems

SUNNYVALE (USA)/London, May 6, 2019 – Real-Time Innovations (RTI), the Industrial Internet of Things (IIoT) connectivity company, announced its partnership with Mocana Corporation, the leading provider of device security solutions for IoT and industrial control systems, to provide customers with an integrated solution to scale protected data communications without compromising reliability and performance for Industrial Internet of Things (IIoT) systems.

RTI Connex DDS is a software framework that shares information in real-time, making IIoT applications work together as one, integrated system. Based on the Object Management Group Data Distribution Service (OMG DDS) standard, RTI Connex DDS is the first connectivity framework designed for the demanding requirements of IIoT systems – low latency, high reliability, scalability and security.

Mocana TrustPoint is a proven IoT endpoint security software platform for embedded systems. Used by manufacturers to protect more than 100 million mission-critical industrial machines and IoT devices, Mocana TrustPoint™ is the most comprehensive on-device security software for IIoT applications. Mocana TrustPoint™ includes a FIPS 140-2 validated cryptographic engine and software to make devices tamper-resistant while securing device storage, communications and applications. RTI's integration with Mocana's TrustCenter™ device security management platform enables customers to automate, scale and gain control over the security lifecycle of their devices. Mocana TrustCenter™ enables zero-touch, automated device enrollment, and in-field provisioning of credentials and authenticated updates on headless devices.

Integrating RTI Connex DDS with Mocana TrustPoint and TrustCenter enables manufacturers and industrial operators to accelerate the development of high-performance, secure industrial control systems (ICS) and IoT devices while enabling compliance with stringent cybersecurity standards, such as IEC 62443-3-3, NIST 800-53, NERC CIP 003-7, and U.S. FIPS 140-2.

Key features and benefits of the integration of RTI Connex DDS and Mocana include:

- High-performance, deterministic IoT connectivity using RTI Connex DDS
- Support for automated machine-to-machine (M2M) communications with real-time Quality of Service (QoS)
- Fine-grained security to protect data-in-motion without compromising network performance or bandwidth.
- Easy migration path from OpenSSL to a FIPS 140-2 validated cryptographic engine
- Tamper-resistant cybersecurity controls integrated into IoT and ICS devices
- Accelerated compliance with NIST 800-53, NERC CIP 003, and IEC 62443-3-3
- Support for authentication, secure key storage and remote attestation using Trusted Platform Module (TPM) 2.0
- Ability to use RTI Connex DDS within a secure virtualized environment, such as a Docker container, Linux container or virtual machine
- Capability to scale and automate device certificate enrollment, in addition to software and firmware updates through the lifecycle of the device

“In large, distributed systems, connecting the edge to the backend allows developers to effectively combine data and analytics, delivering on the promise of the Industrial IoT,” said David Barnett, Vice President of Products and Markets, RTI. “However, with more interconnection, these mission-critical systems require stronger levels of security than they have previously had. We’re thrilled to partner with Mocana to not only provide the strongest

levels of security to our customers, but to also comply with stringent industry regulations.”

“Integrating with RTI’s leading IIoT connectivity software provides customers with a secure and scalable solution that broadens their opportunity to integrate into even more complex systems,” said Dean Weber, Chief Technology Officer, Mocana. “We’re excited to work together to raise awareness within key industry verticals and customers about emerging security norms and mandates.”

Mocana and RTI will be co-hosting a webinar on Wednesday, May 29, 2019 at 11 a.m. PT/2p.m. ET on, “How to Overcome Obstacles of IIoT System Security.” You can pre-register for the webinar here: <https://www.brighttalk.com/webcast/9609/357294>

To learn more about the Mocana and RTI Connex DDS integration, please visit <http://www.mocana.com/rti>.

About Mocana Corporation (Mocana)

Founded in 2002, Mocana provides comprehensive and compliant IoT device security solutions to protect critical infrastructure. Mocana TrustCenter™ and TrustPoint™ automate and simplify the management of the IoT security lifecycle. Our proven cybersecurity software development tools simplify the integration of mission-critical security. Mocana protects more than 100 million devices and is trusted by the largest aerospace, industrial, energy, healthcare, and communications companies. www.mocana.com

Picture (source: licence-free, pexels):



###

About RTI (www.rti.com):

Real-Time Innovations (RTI) is the Industrial Internet of Things (IIoT) connectivity company. The RTI Connex[®] databus is a software framework that shares information in real time, making applications work together as one, integrated system. It connects across field, fog and cloud. Its reliability, security, performance and scalability are proven in the most demanding industrial systems. Deployed systems include medical devices and imaging; wind, hydro and solar power; autonomous planes, trains and cars; traffic control; Oil and Gas; robotics, ships and defense.

RTI lives at the intersection of functional artificial intelligence and pervasive networkingSM.

RTI is the largest vendor of products based on the Object Management Group (OMG) Data Distribution Service[™] (DDS) standard. RTI is privately held and headquartered in Sunnyvale, California.

RTI, Real-Time Innovations, RTI Data Distribution Service, Connex and 1RTI are registered trademarks or trademarks of Real-Time Innovations, Inc. All other trademarks are property of their respective companies.

Download a free 30-day trial of the latest, fully-functional Connex DDS software today: <https://www.rti.com/downloads>.

Media Contacts:

Sabrina Hausner
Agentur Lorenzoni GmbH for RTI
T: +49 8122 55917-0; F: -29
rti@lorenzoni.de

Cameron Smead
Public Relations Senior Manager, RTI
cameron@rti.com