



## Adesto, IBM and NXP Demonstrate Robust End-to-End Security for Industrial IoT

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### Solution Enables Building Control Systems to Communicate Securely with IoT Cloud Analytics

SANTA CLARA, Calif., April 25, 2019 (GLOBE NEWSWIRE) -- [Adesto Technologies Corporation](#) (NASDAQ: IOTS), [IBM](#) (NYSE: IBM) and [NXP Semiconductors](#) (NASDAQ: NXPI) are demonstrating a powerful solution that provides a new level of security for smart building and Industrial Internet of Things (IIoT) deployments. Adesto's SmartServer™ IoT edge server and the IBM Watson IoT Platform, together enabled by NXP's ready-to-use A71CH secure element for IoT devices, provide an extra layer of security for businesses connecting their systems securely to the IBM Cloud.

[IBM Watson IoT Platform](#) is a managed, cloud-hosted service designed to enable companies to quickly connect and derive value from their IoT devices. It enables organizations to capture and explore data for devices, equipment, and machines, and discover insights that can drive better decision-making. Adesto's open, extensible [SmartServer IoT](#) simplifies the complexities of interoperability between the diverse set of legacy systems, disparate devices, and the numerous emerging and traditional protocols in industrial and building automation to enable seamless and secure access to data. It provides built-in device and data management for sensors, meters, actuators and controllers through a growing range of protocols including BACnet, LonWorks™ and Modbus.

[NXP's A71CH](#) that is 'ready for IBM Watson IoT' is an off-the-shelf solution that provides a root of trust (RoT) at the chip level and delivers chip-to-cloud security right out of the box. Through integration with Adesto's SmartServer IoT, it enables customers with additional security when connecting their buildings to IBM's Watson IoT Platform without exposing keys for the lifetime of a device.

"While the IoT holds great promise, the connectivity of everything also creates significant vulnerabilities. Connected devices are potential targets for unauthorized network access, malicious control, and data theft," said Philippe Dubois, vice president and general manager of IoT security at NXP Semiconductors. "We believe that IoT security must be silicon-based, and easy to implement. With the A71CH Plug & Trust Secure Element, we're making it simple for customers to securely connect a plurality of air-gapped devices into the IBM public cloud."

"IBM Watson IoT enables customers to maximize the value of their physical assets," said Sanjay Tripathi, VP of strategy and business development, IBM IoT. "We are continuing to grow the ecosystem of enabling technologies around this platform to provide even greater value. By working with NXP to ensure its A71CH secure element is pre-loaded with the certificates needed to connect to IBM Watson IoT, we're helping customers streamline their chip-to-cloud security and device onboarding. We are also working with Adesto to provide the critical connection from our customers' industrial data to our platform. Through these relationships, we're letting customers concentrate more fully on extracting the business value from their data."

"Adesto is focused on making it easy for our industrial IoT customers to embrace their legacy environments, extend their edge devices with emerging technologies and enhance their solutions through deep insights from cloud analytics platforms like IBM Cloud," said Sohrab Modi, chief strategy officer, Adesto. "Our SmartServer IoT provides the key that lets customers unlock their industrial data. NXP's security solution adds the desired level of security and comfort for customers to adopt public clouds and benefit from the IBM Watson IoT Platform. We look forward to continuing our collaboration with IBM and NXP to make this exciting combined solution available to customers."

NXP's A71CH Plug & Trust Secure Element that is 'ready for IBM Watson IoT' features X.509 certificates and keys trusted by Watson IoT Platform and injected at NXP secure certified facilities. NXP's trust provisioning service ensures keys are kept safe, and credentials are injected in a trusted environment. When embedded into devices, the chips have the necessary keys to establish a secure TLS connection with IBM Watson IoT enabling seamless device-to-cloud connections.

#### Demonstration at IBM IoT Exchange

The three companies will be highlighting the joint solution at the [IBM IoT Exchange](#) today in Orlando Florida.

For more information on the SmartServer IoT, visit <https://www.adeptotech.com/smart-server-iiot>. To arrange a personal demonstration, contact [info@adeptotech.com](mailto:info@adeptotech.com).

#### About IBM IoT Exchange:

At IBM IoT Exchange, IBM will outline new offerings, client engagements, partnerships, technology breakthroughs and developer tools that underscore how IBM and partners are driving greater operational efficiency and effectiveness by applying the power of IoT data and artificial intelligence. For more information about IoT Exchange visit: <https://www.ibm.com/internet-of-things/news-views/conference/> and follow the conference on Twitter at #watsoniot and #iioexchange. For more information on IBM Watson IoT, please visit [www.ibm.com/iiot](http://www.ibm.com/iiot).

#### About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better, and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy, and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has approximately 30,000 employees in more than 30 countries and posted revenue of \$9.41 billion in 2018. Find out more at [www.nxp.com](http://www.nxp.com).

#### About Adesto Technologies Corporation

Adesto Technologies Corporation (NASDAQ:IOTS) is a leading provider of innovative application-specific semiconductors and embedded systems for the IoT. The company's technology is used by more than 5,000 customers worldwide who are creating differentiated solutions across industrial,

consumer, medical and communications markets. With its growing portfolio of high-value technologies, Adesto is helping its customers usher in the era of the Internet of Things. See: [www.adeptotech.com](http://www.adeptotech.com).

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