



NXP Leverages Google's Cloud IoT Core to Enable Smart Devices for Edge Computing

September 27, 2017

NXP brings expertise in security, processing and digital networking for developer community to drive IoT edge intelligence in Google Cloud IoT Core

SAN JOSE, Calif., Sept. 27, 2017 (GLOBE NEWSWIRE) -- As an early partner for [Android Things](#), NXP Semiconductors N.V. (NASDAQ:NXPI) today announced support for the public beta of Google Cloud IoT Core, a fully managed service on Google Cloud Platform (GCP) to securely connect and manage IoT devices at scale. [Cloud IoT Core](#) is now publicly available to all users in beta, including new features and pricing plan.

By bringing together the latest advancements in security, processing, and digital networking, and NXP technologies help meet the complete system challenges of machine learning, driving the development of edge compute intelligence in IoT devices.

"NXP's unique portfolio of technologies and capabilities exploit the potential of edge computing, bringing us closer to realizing the benefits of machine learning and AI," said Geoff Lees, senior vice president and general manager of microcontrollers at NXP. "We're excited to see the release of Cloud IoT Core Public Beta to fast-track these benefits and experiences in various markets like manufacturing, transportation, utility and more."

With Cloud IoT Core, businesses can easily connect and centrally manage millions of globally dispersed IoT devices. When used as part of the broader Google Cloud IoT solution, it can ingest all IoT data and connect to Google Cloud's state of the art analytics services including Cloud Pub/Sub, Dataflow, Bigtable, BigQuery, and Machine Learning.

Key technology features from for the new Cloud IoT Core solution:

- **Additional protocol for existing devices:** In addition to the standard protocol MQTT, you can now securely connect existing IoT devices and gateways to Cloud IoT Core over HTTPS, and easily ingest data into Google Cloud Platform at scale.
- **Serverless infrastructure:** Scale instantly without limits across NXP multimedia and digital networking processors using horizontal scaling on Google's serverless platform.
- **Bring your own certificate:** Users can now bring their own device key signed by their Certificate Authority (CA), and IoT Core will verify the signature of the key provided by the device with the CA certificate during the authentication process.
- **End-to-end security:** Enable end-to-end security using certificate-based authentication and TLS; devices running Android Things or ones supporting the Cloud IoT Core security requirements can deliver full stack security.
- **Automatic device deployment:** Use REST APIs to automatically manage the registration, deployment and operation of devices at scale.

"With NXP's unique portfolio of solutions broadly available to customers on IoT Core, customers can gain visibility into new operational data and optimize for change in real-time," said Adam Massey, Director, Strategic Technology Partners, Google Cloud. "Together with NXP, we are striving to make it easier to connect, manage, and drive real business value from IoT devices."

NXP Android Things Platform

Powered by the i.MX 6UL and i.MX 7D applications processors, the PICO-iMX 6UL/7D boards from TechNexion and the Argon i.MX 6UL board from VVDN Technologies speed development and time to market for IoT products. All three boards have been qualified and tested by Google to run Android Things at optimal performance. For more information, please visit www.nxp.com/AndroidThings and <https://developer.android.com/things/index.html>.

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 a 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 31,000 employees in more than 33 countries and posted revenue of \$9.5 billion in 2016. Find out more at www.nxp.com.

For more information, please contact:

Americas

Tate Tran
Tel: +1 408-802-0602

Email: tate.tran@nxp.com

Europe

Martijn van der Linden
Tel: +31 6 10914896

Email: martijn.van.der.linden@nxp.com

Greater China / Asia

Esther Chang
Tel: +886 2 8170 9990

Email: esther.chang@nxp.com



NXP Semiconductors Netherlands B.V.