Industrial Strength IoT

OPC UA allows IoT platforms to interoperate

NEW YORK, NEW YORK, USA, March 19, 2015 /EINPresswire.com/ -- The move to deploy network connected devices is gaining steam. It is now possible to access a variety of devices in the field, in your pocket, on your wrist, as well as where you work and live. The number of platforms is increasing rapidly and mashup services like ITTT are now able to automate devices from multiple vendors. However, this drive to a connected world is missing a map that describes how these island of automation are related. While web standards such as HTTP and Json provide a common technology platform, they do nothing to make sense of the data. This may not be a problem if you are only trying to turn on your porch light. But for intelligent automation and energy management of more complex facilities and device networks, a way to unify device data is needed.

In order to understand how devices are related to the world and to each other, one needs to create an information model. An information model defines types and objects and their inter-relationships. For example, ASHRAE's Facility Smart Grid Information Model allows one to describe how many devices that may be independently connected to the internet can be unified. The OPC Foundation's Unified Architecture uniquely supports information modeling, provides a secure way to connect widely distributed devices, and is already widely used in industrial automation. It is now time to introduce the IoT world to OPC UA and provide industrially tested integration techniques.

OPC UA Developers Summit
April 23 - April 24, 2015 in NY.
Specifically designed to help engineers starting the process of producing an OPC UA enabled devices, gateways, and clients. The OPC UA Developers Summit is a two day training course that discusses product functionality, implementation approaches, product design, and testing, plus gives an in-depth review of OPC UA specifications. Cost of registration is $395.

Register now for this event at: http://www.openopcua.org/Events/NY-April2015.html
Organized by Grid Cloud Systems and OpenOpcUa.org

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