

Softing Industrial Integrates OPC UA Information Modeling into edge Product Range and Secure Integration Server

Haar, October 08, 2024 – Softing Industrial announces the integration of OPC Unified Architecture (UA) Information Modeling into its edge product range as well as the Secure Integration Server (SIS). This advancement allows for more seamless integration, data exchange, and control in Industrial IoT (IIoT) applications.

OPC UA Information Modeling including the support of OPC UA Companion Standards provides a structured way to represent machine data, making it easier to interpret and share across different systems. This standardized model enables real-time management and monitoring of digital representations of physical assets, such as machines and sensors. This is essential for optimizing workflows, improving decision-making, and supporting predictive maintenance.

Benefits of OPC UA Information Modeling for Softing's edge Products and Secure Integration Server

Integrating OPC UA Information Modeling into Softing Industrial's edge product range and SIS opens a new dimension of opportunities for manufacturers and industrial operators. Key advantages include:

- **Interoperability:** A standardized information model makes it easy to connect various devices and systems across different vendors and protocols.
- **Simplified Data Handling:** Structured and unified data models make the extraction, interpretation, and transfer of machine data much more streamlined, facilitating seamless IIoT integration.

- **Enhanced Security:** Coupled with the OPC UA Security Functionality, this integration ensures that the data exchange between machines and systems remains secure and compliant with industry standards.
- **Improved Efficiency:** By using a single framework for data transfer and device interaction, operators can reduce the time and effort required for configuration, data interpretation, and overall system integration.
- **Scalability:** The integration enables easy scaling of industrial applications, as operators can standardize machine data handling across numerous devices and systems with minimal disruption.

Overview of Softing's edge product range

Softing Industrial's edgeConnector products enable seamless communication between control systems and the cloud, playing a crucial role in connecting operational technology (OT) and Information Technology (IT) systems in IIoT environments. These connectors offer reliable data collection from field devices and control systems, which can then be transferred to cloud platforms for further analysis and optimization.

The edgeGate further enhances this process by providing robust gateway functionality, ensuring smooth and secure data flow between OT systems and cloud or enterprise applications. It offers built-in features for protocol conversion, edge analytics, and data aggregation.

Secure Integration Server

The Secure Integration Server from Softing Industrial is designed to ensure secure, reliable data transfer between machines, devices, and IT systems. By using state-of-the-art encryption and security protocols, it safeguards critical machine data from unauthorized access and cyber threats, while also supporting a flexible, scalable integration of IT and OT environments.

Maximizing interoperability and efficiency in IIoT environments

With OPC UA Information Modeling now integrated into Softing's edge products and SIS, industrial operators can benefit from an even more powerful solution for efficient machine data management, secure information exchange, and seamless IIoT integration. This move marks another significant step forward in Softing Industrial's commitment to providing state-of-the-art solutions for Industry 4.0 and the future of digital industrial operations.

The new functionality will be showcased at SPS 2024 in Nuremberg, November 12 to 14, at the Softing booth no.258 in hall 5.

Information about edge Products:

<https://industrial.softing.com/products/docker.html>

<https://industrial.softing.com/products/gateways/gateways-for-access-of-controller-data/edgegate.html>

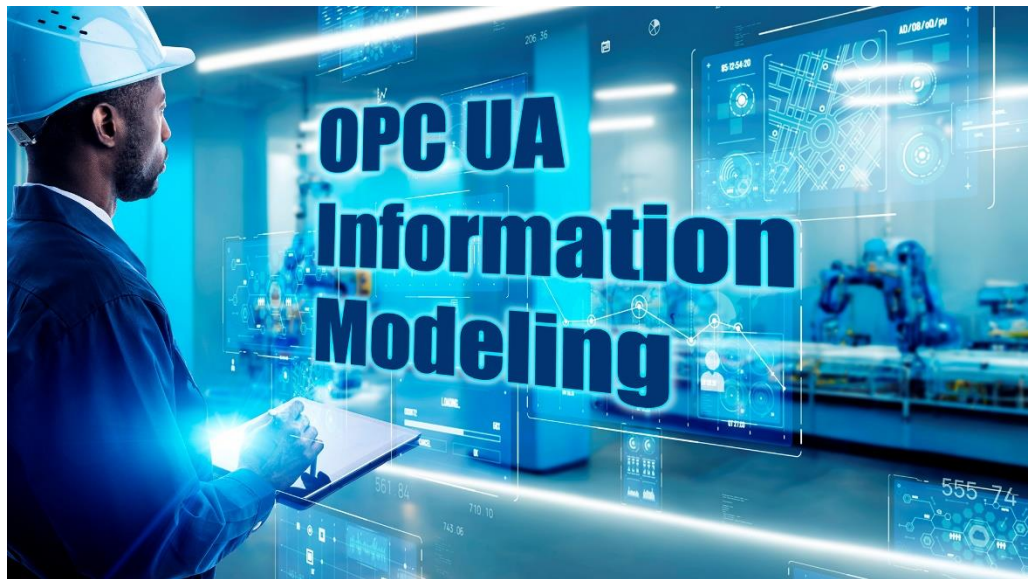
Information about Secure Integration Server:

<https://industrial.softing.com/products/opc-opc-ua-software-platform/integration-platform/secure-integration-server.html>

Information about Softing at SPS 2024 in Nuremberg:

<https://industrial.softing.com/softing-industrial-at-sps.html>

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Caption: OPC UA Information Modeling now integrated in Softing's edge Product range and Secure Integration Server (Source: Softing Industrial)

About Softing Industrial

Softing connects disparate automation components to feed data from the shop floor to the cloud for control and analytics. The company's products enable communications networks to be monitored and diagnosed to ensure a reliable flow of data, thereby creating the basis for optimizing production processes. For more information, please visit <https://industrial.softing.com>

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