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https://data-intelligence.softing.com/opc_competence

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OPC UA Gateways

Embedded OPC UA Server Gateways for Siemens and Modbus PLCs

- Free migration to upcoming dataFEED OPC UA SDK versions
- Optimized Application Programming Interface (API) and easy-to-use functionality required for implementing OPC UA applications. The SDKs are built by a comprehensive set of libraries featuring a simple and well-documented API. The dataFEED OPC Classic SDKs enable the fast integration of OPC UA or OPC Classic connectivity capabilities in complex automation projects.

- Conditions and Historical Access
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OPC UA and OPC Classic Servers, OPC Middleware

All-In-One Software Solution for OPC Communication

- Fast, Flexible and Reliable Connectivity of Siemens and Mindsphere Systems
- For a short time-to-market of OPC-enabled products.
- Independent of the use of OPC UA or OPC Classic. MQTT Connector and REST Connector enable the dissemination of data to IIoT clouds.

- Gateway to Big Data and IoT Clouds Solutions
- Integration of automatically derived API definitions from OPC UA servers or virtual OPC UA servers for central cloud platforms
- Simple and independent access to Controllers and IT Services
- Improved access to data on distributed OPC UA servers running on-premise or in cloud
- Secure access to Modbus controllers, e.g. from Schneider Electric, B&R, etc.
- Secure access to Siemens MindSphere, Bosch PPM or other solutions from different vendors, e.g. Amazon AWS, IBM, etc.

- Secure Communication
- Support of all safety functions of OPC UA based on OPC UA Security
- Free migration to upcoming dataFEED OPC UA SDK versions
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dataFEED Secure Integration Server

- Secure and Flexible OPC UA-based IT/OT Integration Solution
- Data Aggregation
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**OPC UA Gateways**

Embedded OPC UA Server Gateways for Siemens and Modbus PLCs

Enabling OPC UA and OPC Classic connectivity, the dataFEED OPC UA and OPC Classic SDKs are a complete solution addressing all customer requirements for a short time-to-market of OPC-enabled products. The dataFEED Secure Integration Server offers a secure data integration layer for IoT applications aggregating production and machine data. It applies access to this data through consistent software interfaces. End-users gain real-time visibility on local clients (e.g., for edge analytics) in parallel with resulting from using central cloud platforms.

**OPC UA and OPC Classic Servers, OPC Middleware**

All-In-One Software Solution for OPC Communication

Access to Modbus controllers, e.g. from Schneider Electric, B&R, etc.)

**dataFEED Secure Integration Server**

Secure and Flexible OPC UA-based IT/OT Integration Solution

This OPC UA-based middleware allows for a seamless connection of edge devices to IoT applications ubiquitous access to aggregation servers, not to many OPC UA Clients in different OT environments. Adapts in automation network transparent for IT applications.

### Simple and Independent Access to Controllers and IT Solutions

- **UA Clients in different OT environments**
- **Adaptations in automation network transparent for IT applications.**
- **Common, stable OT interface for different IT solutions.**
- **Easy integration for connecting controllers and existing IT solutions.**
- **UA Server in different OT and IT environments.**
- **Data Aggregation Abstraction**
- **Extensive and flexible OPC UA Service-based address space.**
- **Application access to aggregation servers, not to many OPC UA Clients.**
- **Flexible data format.**
- **Configurable and easy-to-use interface for fast OPC communication configuration.**
- **Remote access to controllers (e.g., via control network).**
- **Easy client-to-client communication with multiple OT data sources.**
- **Integration of OPC UA Servers, OPC UA gateways and OPC UA Clients.**
- **Use of various different data sources with software services.**
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- **Integration of OPC UA Servers, OPC UA gateways and OPC UA Clients.**
Embedded OPC UA Server Gateways for Siemens and Modbus PLCs

Enabling OPC UA gateways for seamless communication between automation systems and cloud connectivity within a single product, enabling access to the controllers of leading manufacturers and IT devices. Additional functionalities include detection of DoS attacks and ensure the secure and reliable connectivity of Siemens SINUMERIK, SINUMERIK, and Modbus PLC clients, independent offline use of OPC UA for SINUMERIK MOLECULE, and OPC UA Server connectivity for MES, DataHandler, and other applications.

OPC UA and OPC Classic Services, OPC Middleware

All-In-One Software Solution for OPC Communication

Available OPC UA server software offers a full package of comprehensive OPC communication and cloud connectivity within a single product, enabling access to the controllers of leading manufacturers and IT devices. Additional functionalities include detection of DoS attacks and ensure the secure and reliable connectivity of Siemens SINUMERIK, SINUMERIK and Modbus PLC clients, independent offline use of OPC UA for SINUMERIK MOLECULE, and OPC UA Server connectivity for MES, DataHandler, and other applications.

OPC UA Projects

Development

A complete solution addressing all customer requirements.

Comprehensive scope of delivery for easy and fast development.

Documentation of fearsome applications, easy to grasp. Relevant example applications as well as test and simulation tools allow fast development of OPC UA Applications.

Requirements

OPC UA Servers and Clients capable to move data and conditions and historical access.

Security, Data Access, Complex Data, Events, Alarms & Analytics.

UA Clients/Servers as well as OPC UA Publishers/Subscribers and easy-to-use functionality required for implementing OPC UA Solutions.

OPC UA 840D

Delivered with predefined symbol files for 4 axes and 4 drives,

Symbol import of controller data using web interface.

DataFEED SIS

Integration of automation devices via MQTT Publisher, using an MQTT Broker, simple and independent access to controllers and IoT devices.

Integration services

Aggregated data from multiple sources in a server.

In flexible IT applications with standard OPC UA.

Adaptations in automation network transparent for IT systems while, at the same time, benefit from significantly reduced costs for integration and configuration.

Security Communication

Support of all security functions of OPC UA based on state-of-the-art cryptography.

DataFEED OPC Suite

Protection of data and communication channels through state-of-the-art encryption.

NoSQL / SQL

Integration of non-OPC UA-capable components, such as B&R, etc.)

Application

Integration of automation devices via MQTT Publisher, using an MQTT Broker, simple and independent access to controllers and IoT devices.

Integration services

Aggregated data from multiple sources in a server.

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Secure and Flexible OPC UA-based IoT Integration Solution

dataFEED Secure Integration Server

Flexible IoT solution to seamlessly integrate IoT data into a cloud platform through the use of the integrator system, while, at the same time, benefit from significantly reduced costs for integration and configuration.

OPC UA and OPC Classic SDKs

Fast Development of OPC UA Applications

Evaluating and evaluating the fast integration of OPC UA and OPC Classic connectivity capabilities in automation systems. The SDKs are built on a comprehensive set of libraries featuring a simple and well-defined programming interface. Reduced application efforts as well as tool and innovation tools allow for a short time-to-market of OPC enabled products.

Product-Related Services

Product-Related Services

OPC UA Gateways

OPC UA Gateways

OPC UA and OPC Classic SDKs

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dataFEED OPC UA and OPC Classic SDKs

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**OPC UA Gateways**

Embedded OPC UA Server Gateways for Siemens and Modbus PLCs

Selling OPC Connectors for Siemens Simatic, HMI, PLC, S7, 840D, MindSphere + New needs for Industry 4.0: The integrated OPC UA server enables easy and secure data connections to higher-level management systems, such as BPCS and KPIA systems. The OPC UA gateways can connect, scaleable and at the same time price-sensitive many times over.

**OPC UA and OPC Classic Servers, OPC Middleware**

All-In-One Software Solution for OPC Communication

dataFEED OPC Suite offers a full package of transparent communication and cloud connectivity within a single product, enabling access to the combinations of leading manufacturers and IT vendors. Additional functionality addresses security, IT problems, and integrates the associated data. Between OPC, servers and OPC clients, independent offline use of OPC UA and OPC Classic,getStatusCode:1

**dataFEED Secure Integration Server**

Secure and Flexible OPC UA-based IT/OT Integration Solution

Standardized, secure integration solution offers a secure data integration layer for IoT applications aggregating production and machine data. IT applications can access this data through consistent software interfaces. End-users gain comprehensive, flexible data access that significantly reduces the integration of IT and OT systems while, at the same time, benefiting from significantly reduced costs for integration and configuration.

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**OPC UA and OPC Classic SDKs**

Fast Development of OPC UA Applications

Fast and efficient access to all leading middleware and proprietary connectivity products available for OPC communication (OPC UA, OPC Classic, Modbus, Siemens) and more.

**CONSULTING**

Development of tailor-made OPC solutions

Consultancy for pre-certification and certification support

**SERVICE**

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