

NI-OPC-Servers

National Instruments, now known as NI, is a company that provides hardware and software solutions for measurement and automation. Their OPC servers are part of a broader suite of tools and technologies for data capture, analysis, and control in industrial environments.

National Instruments (NI) OPC servers are software that enable communication between industrial automation systems, such as programmable logic controllers (PLCs), and other devices that support the OPC (OLE for Process Control) protocol. The OPC protocol is a standard used in industrial and manufacturing environments to facilitate the exchange of data between different hardware and software.

NI OPC servers are designed to work with NI hardware and software, as well as OPC-compliant devices from other manufacturers. These servers act as intermediaries, allowing OPC clients (such as human-machine interfaces or data scanning software) to access data from a variety of sources, including sensors, controllers, and other industrial equipment.

It is important to note that features and compatibility may vary depending on the specific versions of NI OPC servers and the specific hardware and software in use.

Key features and capabilities of NI OPC servers include the following:

Data Access: NI OPC servers provide a unified interface for accessing real-time data from various devices, making it easier to monitor and control industrial processes.

Device Compatibility: They are often compatible with a wide variety of industrial hardware, including NI data scanning hardware, PLCs, and devices from other manufacturers that support OPC.

Configuration Tools: NI OPC servers typically include configuration tools that allow users to specify which data points to access and configure communication parameters.

Data Logging: Some OPC servers may provide data logging and access to historical data, which enables problem analysis and debugging.

Security: They often provide security features to control access and ensure data integrity.

Alerts: Some OPC servers support alerts and events that allow users to set notifications based on specific conditions.