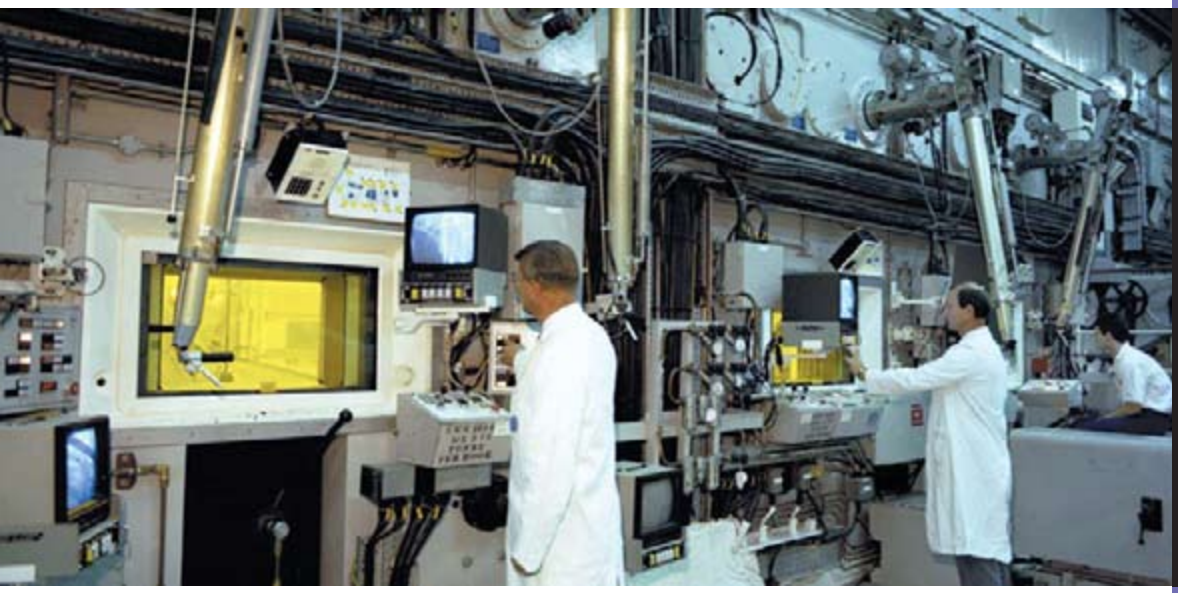
Device Integration Solutions from Wonderware

A complete set of connectivity solutions for Industrial Automation



Visualize Analyze Optimize

OVERVIEW

Wonderware leads the industry with the broadest set of connectivity options to control hardware and communications protocols needed to support supervisory, plant performance, and production management systems. Connectivity, communications and ease of use are hallmarks of Wonderware's broad line of Device Integration products, which include DAServers (Data Access Servers), Device Integration (DI) Objects, Proxy Objects, I/O Servers, FactorySuite (FS) Gateway, Tag Creators and more. Wonderware's device integration offerings continuously grow and evolve, with new products and enhanced features, such as powerful diagnostics, redundant communications, data level security, native OPC® connectivity and improved deployment capabilities.

DEVICE INTEGRATION FEATURES AND BENEFITS

- **Outstanding Integration.** DAServers and I/O Servers provide optimum integration with FactorySuite components.
- **Security.** ArchestrA Security in FactorySuite A2 Products extends to the data level, so reads and writes to devices and external systems do not have to be customized using scripts.
- **Ease of Use.** Thanks to Wonderware's Microsoft Management Console DAServer Manager, DAServers can be activated, deactivated, configured and monitored locally or from remote nodes.
- **Built-in Diagnostics.** DAServers increase the availability of built-in system diagnostics, for prompt troubleshooting and optimization.
- **Expandable.** DAServers are designed for the future. Their unique architecture allows for the easy integration of new client protocols as they emerge.
- **Support For OPC.** Wonderware's FactorySuite A^2 product family, enabled by Invensys' ArchestrA™ architecture, provides native client connectivity to OPC Servers.

CONNECTIVITY

Wonderware has an impressive library of Device Integration solutions for interfacing to a broad range of control and sensor devices on the plant floor... and beyond. More than 800 servers are currently available from Wonderware and more than 100 partner companies, providing connections to PLCs, RTUs, DCSs, flow controllers, loop controllers, scales, gauges, bar code readers and other hardware devices from the biggest names in industrial automation — including Allen-Bradley, Siemens, Modicon and many others.

DASERVERS

The latest addition to Wonderware's Device Integration product family, DAServers, are designed to provide simultaneous connectivity between plant floor devices

Powering intelligent plant decisions in real time

and modern DDE, SuiteLink™ and/or OPC based client applications. DAServers upport the OPC Data Access 2.05 specification and offer additional features beyond the standard, including powerful diagnostics and remote configuration capabilities.

Wonderware constantly adds new and enhanced Device Integration products to our server library. An up-to-date, searchable database of Wonderware and third-party servers is available on Wonderware's corporate web site at:
www.wonderware.com/products/connectivity

TAKING DEVICE INTEGRATION TO THE NEXT LEVEL

With Wonderware's Industrial Application Server the level of Device Integration is greatly expanded. This is being done with the introduction of Device Integration (DI) Objects and Proxy Objects.

Device Integration (DI) Objects work with DAServers and are designed for applications that connect to Wonderware's Industrial Application Server. They represent the application's network and devices, and mirror the actual device hierarchy.

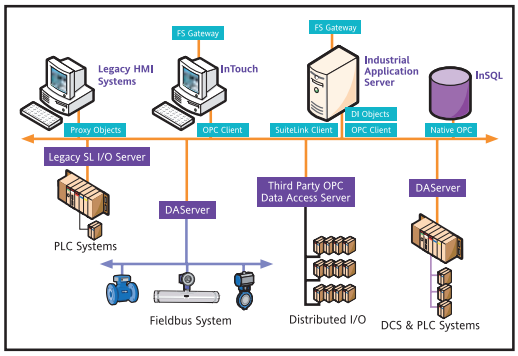
PROXY OBJECTS

A Proxy Object is an Automation Object that represents an actual product for the purpose of device integration with the Industrial Application Server. For example, there is a Proxy Object that enables the Industrial Application Server to access an OPC server.

The **InTouch Proxy Object** allows an Industrial Application Server user to browse the Tag Database of an InTouch application and import its data. Extending this functionality, a Proxy Object can represent just about any HMI product. As a result, an Industrial Application Server user can seamlessly integrate HMI products from multiple vendors into one centralized database.

EASILY INTEGRATE LEGACY HMI SYSTEMS

Wonderware also offers a Proxy Object called iProxy, which enables systems integrators and end users to tightly integrate GE Fanuc iFix® and FIX™ 32 HMI installations with the Industrial Application Server. Using iProxy, a user can consolidate data from existing InTouch, iFIX and FIX 32 databases into one centralized database.



OPEN INTEGRATION

Keeping with Wonderware's Tradition of open and easily accessible software products, **FactorySuite (FS) Gateway** provides a protocol translation capability between SuiteLink/DDE, OPC and InTouch or Industrial Application Server Data Sources. FS Gateway can therefore be used to link legacy SuiteLink/DDE applications into an Industrial Application Server based application or to serve data from InTouch or the Industrial Application Server via OPC.

EXTENSIBILITY

If a server for your particular device does not yet exist, Wonderware's DAServer Toolkit and Rapid Protocol Modeler (RPM) Kit are available to help you develop your own custom solution. What this means is that every device — on the factory floor or in the field — can connect to Wonderware applications, providing a smooth, uninterrupted flow of data.

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