

Sales Release

Link Connectivity Gateway High Speed Gateway

Communicate IT Link CG

Most if not all automation operations require some level of system integration. This integration can be required at many levels starting at the control level with control interlocks, up to the business system integrating the complete enterprise. Control level integration requires peer to peer connections between control systems; Link Connectivity Gateway provides this connection.

Link CG is an OPC Client application providing the ability to connect to I/O points from a number of dissimilar external systems. Connectivity is accomplished via tag mapping (and attributes) that are configured in the application. Once the tags are configured into the real-time database they can be used for non-critical control and monitoring purposes. Some situations do arise that have a requirement to pass process data two ways from one system to another where the only point tying the two systems together is Link CG. This robust "high speed" gateway solution supports data buffering/burst handling, exception reporting, redundancy and the mapping of up to 2000 data points.

For ease of use and savings on configuration costs Link CG supports the import of configuration information from text files. The application defines standard interactions between system users. This interaction occurs via dialogue windows including:

- Initiating startup
- Initiating shut down
- Initiating manual failover
- Monitoring data link, foreign device
- Automatic fail over
- System Event log/queue

The ABB Link CG product runs as an MS Windows NT 2000 application and can perform bi-directional data exchange between any number of connected systems. Because this application makes use of existing DCS consoles, networks, and data connectivity mechanisms (OPC Client and Server), this solution can be implemented very effectively for any existing and future systems.

Link CG follows standard OPC DA methods, thus can communicate with various OPC compliant DA servers. The Gateway Architecture drawing is a sample of possible configurations.

- Total solutions fully tested and complete with required OPC server, OPC client, and documentation
- Supported OPC Servers/protocol: FactorySoft (Modbus), semAPI (Plant Loop, INFI 90/Symphony), DigiOPC (Freelance 2000), RS-Linx (Allen Bradley), and AXS4ICCP-ICCP (ICCP)
- Migration Path for integrating Symphony/I90/N90 to existing and future ABB technologies
- Flexibility of design ensures future evolution
- Connectivity solution for Industrial IT products and technologies
- Based on current software technologies COM/DCOM, OPC
- Runs as a dedicated gateway application using standard hardware (Intel) and software
- System integration reduces the amount/different types of equipment and software which reduces maintenance and engineering costs
- Can easily bridge dissimilar control networks (i.e. Profibus to Symphony) using commercially available hardware (PCI/ISA cards, ethernet (TCP/IP) and software (OPC servers)

If your device has an OPC server our Link CG will connect you

Minimize your risk by using one Solution Provider

ABB

Link Connectivity Gateway Architecture

PRIMARY COMPUTER

(OPTIONAL) REDUNDANT COMPUTER

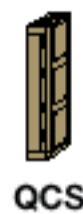
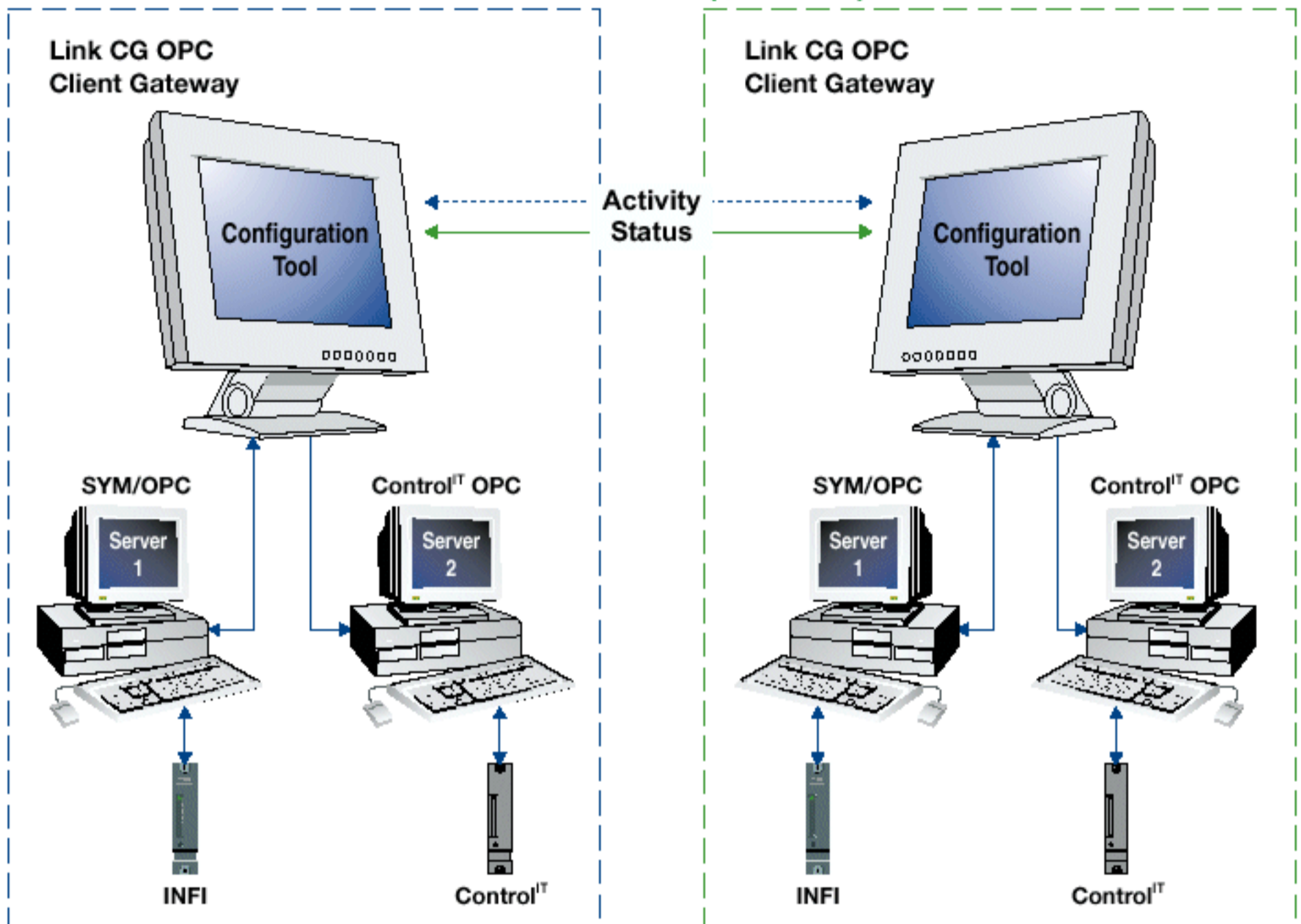


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 March, 2002

