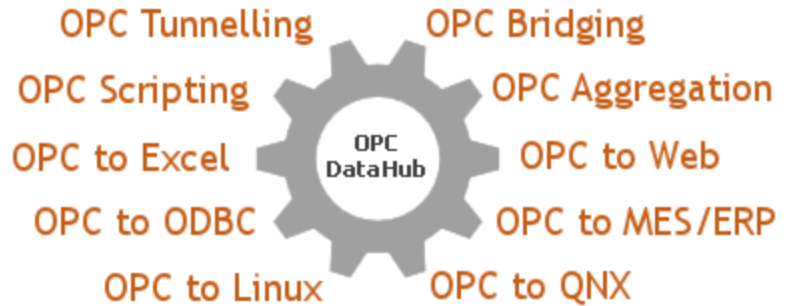


OPC DataHub Features

The only OPC tool you need

The OPC DataHub combines the power of multiple OPC tools in a single, easy-to-use package that gives you unprecedented access to your process data.

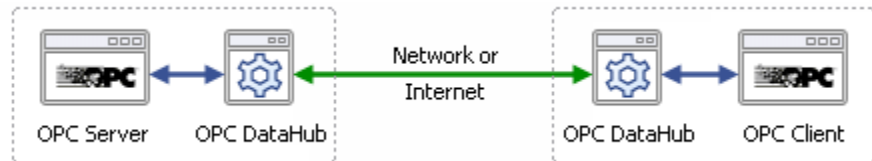
By supporting multiple simultaneous connections the DataHub makes data from many sources available to other applications over a network or Internet connection. The OPC DataHub offers:



OPC Tunnelling

Connect OPC servers and clients over a network without having to configure DCOM permissions. This also eliminates the long DCOM

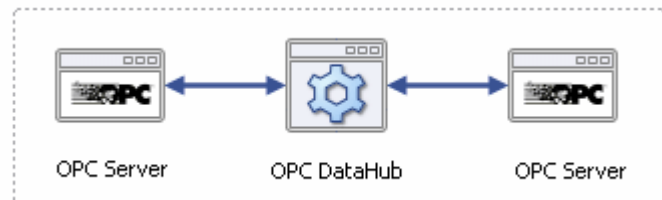
timeouts that can effectively shut down your application. Tunnelling works over a network or Internet connection and can be used to connect any number of OPC servers and clients.



OPC Bridging

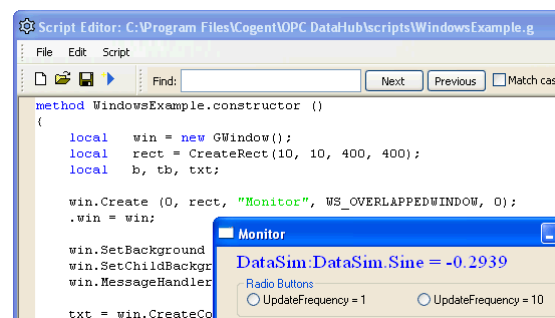
Normally, OPC servers only connect to OPC client applications. OPC Bridging allows you to connect OPC servers to other servers. You can also combine bridging and tunnelling to connect servers over a network or the Internet. A simple point and click user interface makes

defining point-to-point relationships simple and straight-forward. Linear transformations allow you to modify data as it passes from one server to another. For example, you may want to change degrees Fahrenheit in one system to degrees Celsius in another.



OPC Scripting

The OPC DataHub contains a powerful built-in scripting language linked to data changes or timed events. Use scripts to build custom Windows interface to display and enter data. Create simulation servers to test control theory before commissioning with live data.

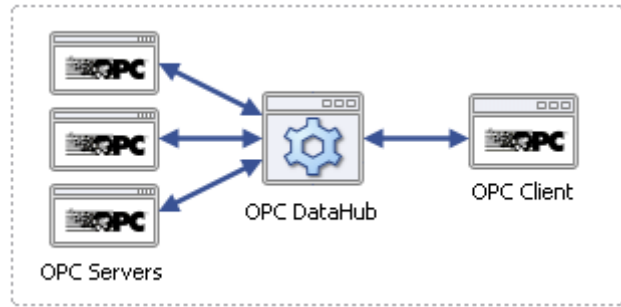


OPC Aggregation

An OPC client can read data from multiple OPC servers, using the DataHub as the single point of contact.

Reduce licensing fees for OPC client applications as they only need to make a single connection to the OPC DataHub in order to access data from multiple servers.

Writing custom applications is much easier when you only have to communicate with one server application (the OPC DataHub has a free API to make this even easier).

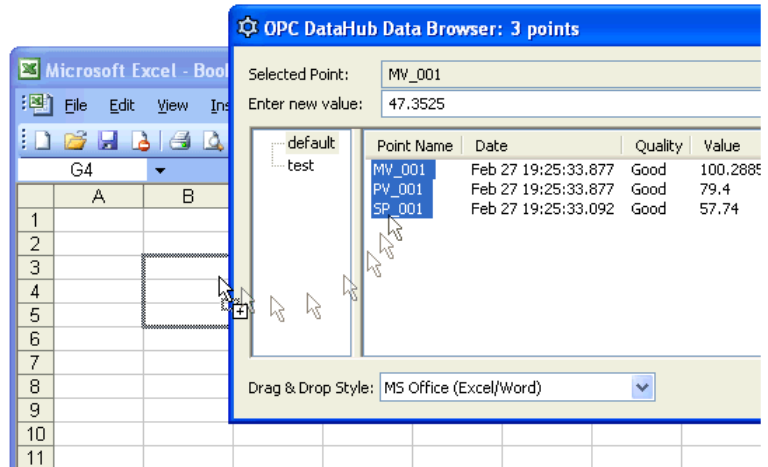


OPC to Excel

Drag and drop point names directly from the DataHub into your Excel spreadsheet.

Collect data from a variety of sources, both local and remote, then drag and drop it into Excel to produce live reports and real-time production analysis.

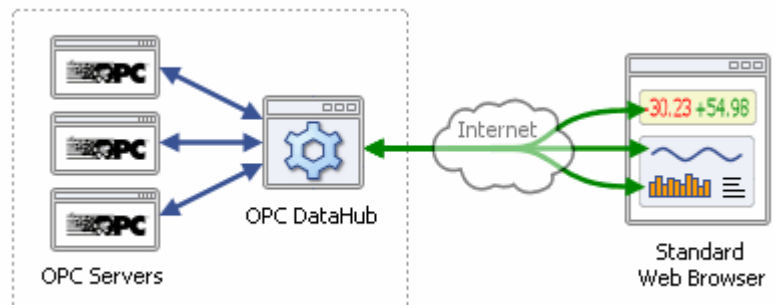
Once you have the data inside Excel, the DataHub provides continuous updates so you always have the latest information. Save the spreadsheet, and the next time you open it the data is refreshed for you automatically.



OPC to the Web

The DataHub has a built-in web server which allows you to display live data from the DataHub in a standard web page. The web pages update automatically with no page refresh required.

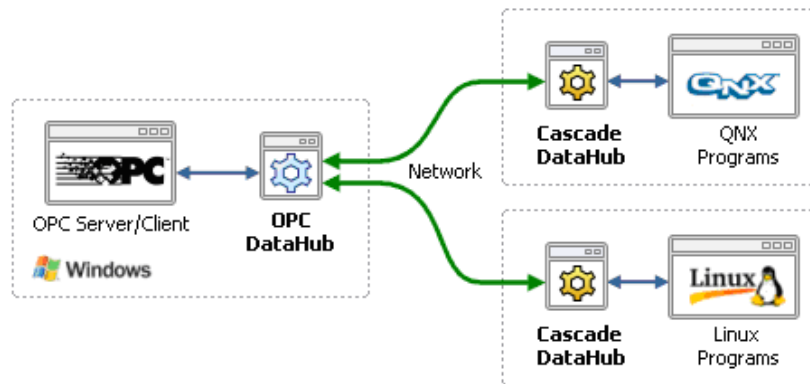
Live web displays are also capable of writing values back to the DataHub, so you can actually change data in your plant from anywhere you have access to a web browser. Or you can secure the page so it only displays the information.



The DataHub Web Server supports AJAX, ASP and Java web page development and we provide extensive examples and documentation to help you see the potential of this OPC to Web technology. AJAX and ASP web pages can display live data on a standard desktop browser, or in mobile devices such as PDAs and web enabled phones.

OPC to Linux and QNX

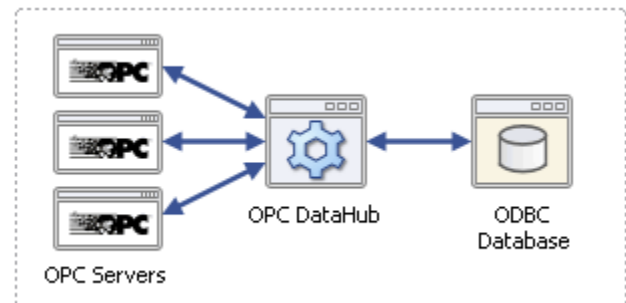
For more than 10 years Cogent software has been the industry standard for sharing real-time data between QNX and Windows. The DataHub family of products continue to offer a wide range of options for fully integrating data across multiple operating systems.



OPC to ODBC

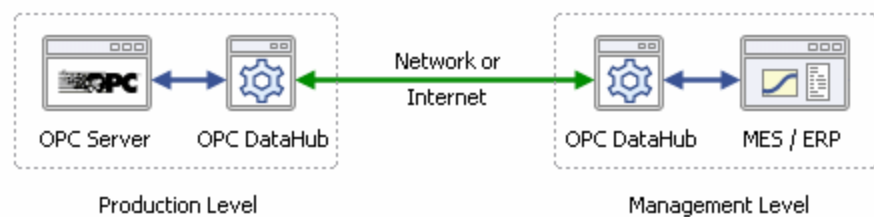
The OPC DataHub offers a rich scripting environment that includes an extensive ODBC library, which enables any OPC Server to send and receive data with relational database applications such as Access, MS SQL Server, Oracle and any other ODBC compliant database.

Easy to follow code examples shows you how to write a simple script to log OPC data to an ODBC compliant database application. Scripts can both read and write data to the database application. It's easily build scripts that perform scheduled data logging activities. Scripts can also be attached to a specific data point, so that whenever the point changes value, a record is added to the database application.



OPC to MES and ERP

The OPC DataHub provides a gateway for customers to make plant data available on corporate networks, so it can be used in Management Execution Systems (MES) and Enterprise Resource Planning (ERP) systems.



Integrate live plant data with management systems for accurate scheduling and performance monitoring. Provide a reliable gateway between management level networks and plant floor control networks. Supports direct access to ODBC compliant management systems. DataHub API for C++, Java and .NET enable easy integration with existing systems.

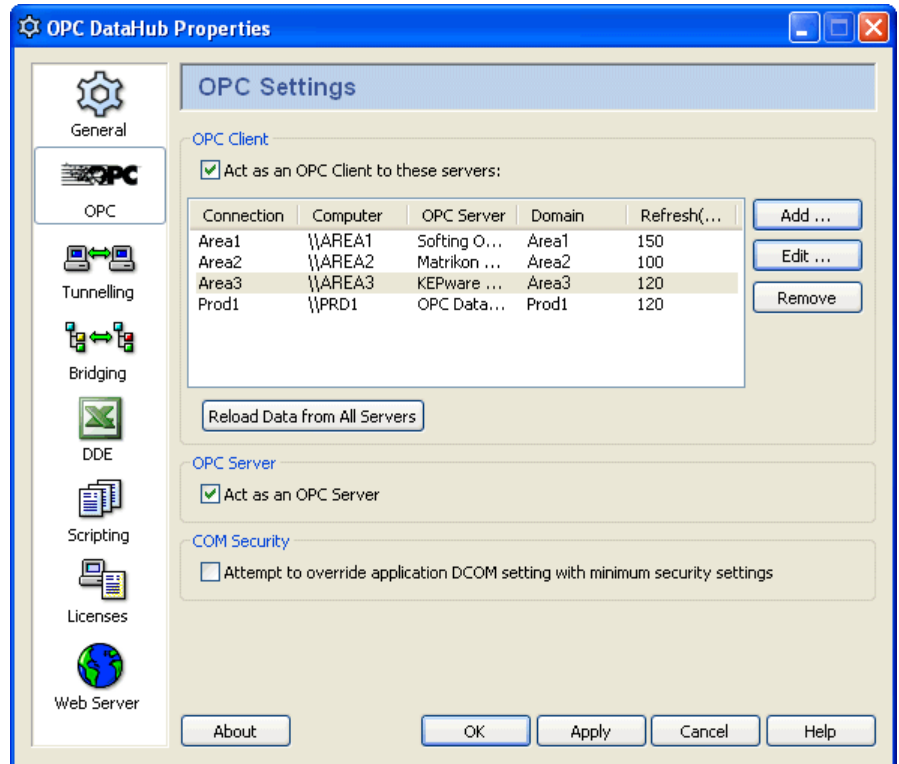
Technical Specifications

System Requirements

- Windows NT 4.0 (Service pack 6 or higher)
- Windows 2000
- Windows XP (Home and Pro)
- Windows Server 2003
- Windows Server 2003 x64

OPC DataHub Specifications

- Supports multiple OPC Server and Client connections.
- DataHub will connect to OPC DA 3.0 servers (and 2.05a servers that support the browse interface).
- DataHub will also accept connections from OPC DA 3.0 or 2.05a clients.
- Supports DDE Server and Client connections.



- Works with Cascade DataHub for Linux (kernel of version 2.4.18 or later).
- Works with Cascade DataHub QNX 6.2.0 or later.
- Works with Cascade DataHub QNX 4.25 or later.
- Supports display of live data to the web using AJAX, ASP or Java technologies.
- Supports custom TCP/IP connections through Java, .NET and C++ DataHub APIs.
- Supports Windows GUI development through built-in Scripting language.
- Supports ODBC compliant database access to get OPC data into SQL, Access and Oracle databases.
- DataHub supports communication with MATLAB applications.
- Data transmission rates are client dependent, but are typically thousands of points per second.
- Automatic reconnect on a network break and recovery, no intervention required.
- No point list configuration, the DataHub creates points as they are needed.
- Superior publish/subscribe data model, no polling delays and no transmission of static data values.

Contact Information

For OPC DataHub sales and support please contact Software Toolbox partner **Metquip Systems** at the numbers below. For technical questions, functionality, or support, you may also contact Software Toolbox at support.softwaretoolbox.com.