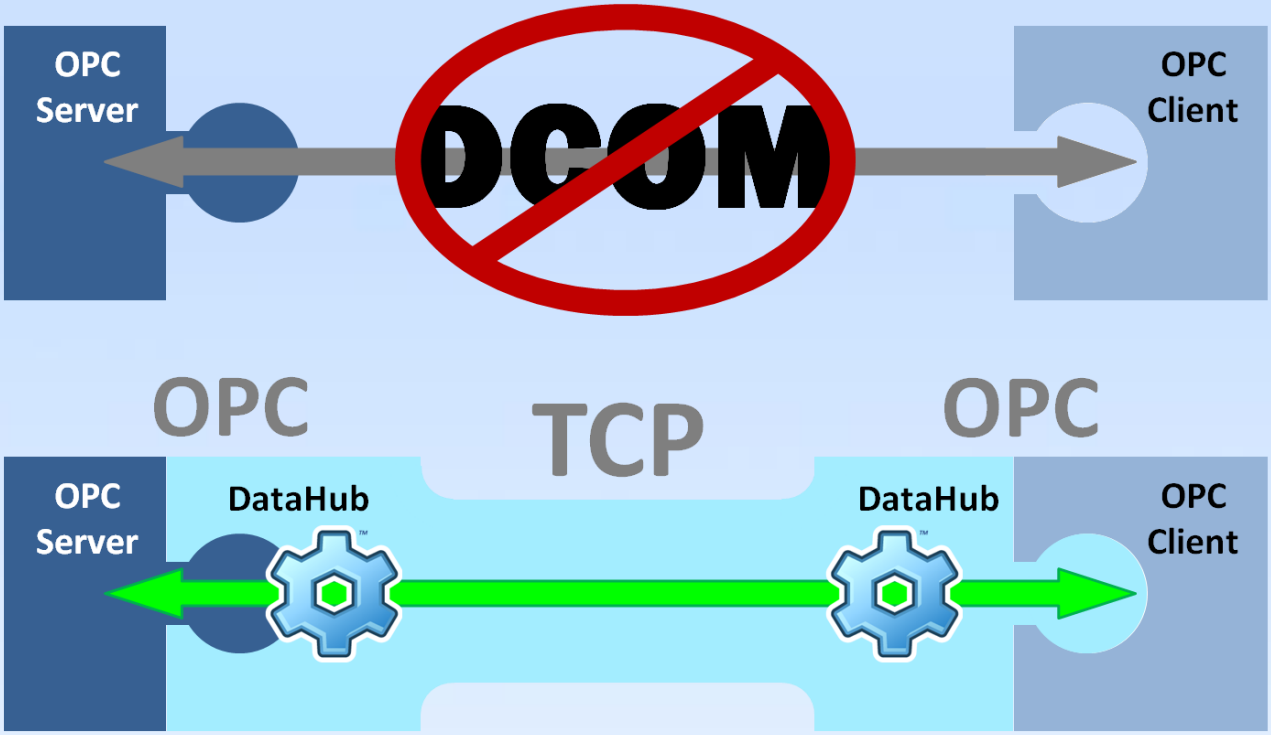
DataHub® OPC Tunneller

Network OPC servers and clients without the hassles of DCOM.

Robust OPC networking with no DCOM

Now you can network the connection between your OPC servers and clients without the hassles of configuring DCOM. Instead, connect one Cogent DataHub to your OPC server, and another Cogent DataHub to your OPC client, and configure tunnelling connection between them. Your data tunnels securely through firewalls and across the network over TCP, using SSL if you like.



Never blocks OPC or drops the OPC connection

If the network goes down for any reason, the DataHub OPC Tunneller at each end of the tunnel maintains the connection to the OPC server and OPC client. All OPC tags maintain their most recent values until the network is restored, and data values continue updating.

Quick reconnects after network failures

Other tunnelling software requires network timeout parameters to be carefully tuned to minimize lengthy delays and false reports of network failure. The DataHub uses a more sophisticated model to detect network failures which avoids false timeouts and blocking, and allows for quick reconnects.

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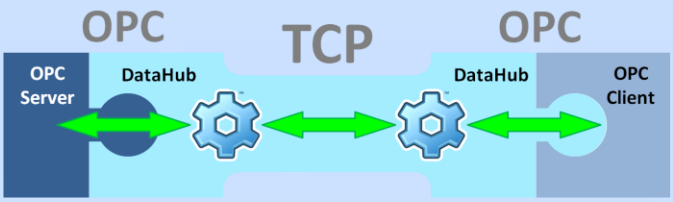
Benefits and Features

- No DCOM configuration hassles, extended timeouts, or security problems
- Easy to configure using point and click interface
- Tunnel tens of thousands of data changes per minute
- Enhanced security options using SSL
- Maximize throughput for multiple tunnels
- Optimize low-bandwidth connections

Top 3 reasons why the Cogent DataHub is the best tunnelling solution available:

Cogent DataHub	Other tunnelling products
The Cogent DataHub keeps **all OPC transactions local to the computer**, thus fully protecting the client programs from any network irregularities.	Other products expose OPC transactions to network irregularities, making client programs subject to timeouts, delays, and blocking behaviour.
	
The Cogent DataHub **mirrors data across the network**, so that both sides maintain a complete set of all the data. This shields the clients from network breaks as it lets them continue to work with the last known values from the server. When the connection is re-established, both sides synchronize the data set.	Other products pass data across the network on a point by point basis and maintain no knowledge of the current state of the points in the system. A network break leaves the client applications stuck with no data to work with.
A single tunnel can be **shared by multiple client applications**. This significantly reduces network bandwidth and means the customer can reduce licensing costs as all clients (or servers) on the same computer share a single tunnel connection.	Other tunnelling products require a separate network connection for each client-server connection. This increases the load on the system, the load on the network and increases licensing costs.

System Information

The Cogent DataHub supports OPC DA 3 and DA 2 server and client connections as well as the ODBC protocol. It runs on the following operating systems:

- Windows 8 (32-bit & 64-bit)
- Windows 7 (32-bit & 64-bit)
- Windows Server 2012 (64-bit)
- Windows Server 2008 R2 (64-bit)
- Windows Server 2008 (32-bit & 64-bit)
- Windows Server 2003 SP2 (32-bit & 64-bit)
- Windows Vista (32-bit & 64-bit)
- Windows XP SP2 (32-bit & 64-bit)

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