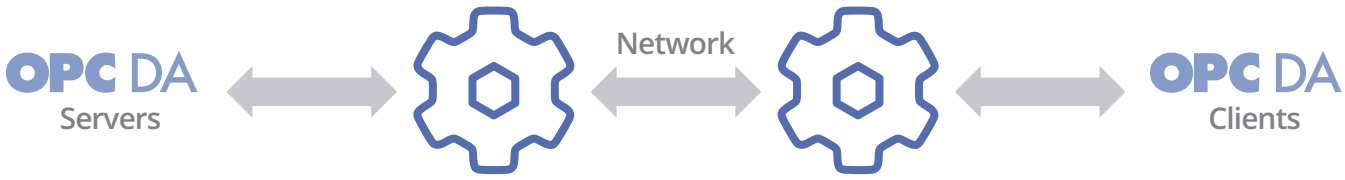
Cogent **DataHub**™ DA Tunneller™

The only closed-firewall solution for networking process data

Robust OPC networking with no DCOM

Now you can network the connection between your OPC DA servers and clients without the hassles of configuring DCOM. Instead, connect one DataHub™ instance to your OPC server, and another DataHub™ instance to your OPC client, and configure tunnelling connection between them. Your data mirrors securely through firewalls, reverse proxies and across the network over TCP, using SSL if needed. **No open inbound firewall ports and no VPNs required**.



Never blocks OPC or drops the OPC connection

If the network goes down for any reason, DataHub™ DA Tunneller™ software maintains the connection to the server and client at each end of a tunnel. All tags maintain their most recent values until the network is restored, when the data is then automatically synchronized again between the server and client.

Quick reconnects after network failures

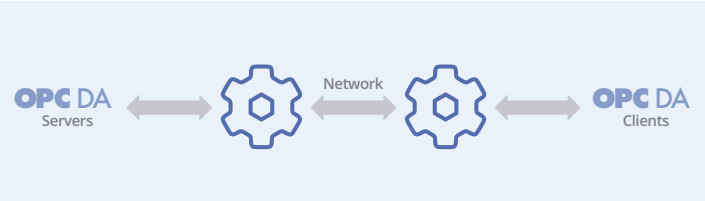
Other tunnelling software requires network timeout parameters to be carefully tuned to minimize lengthy delays and false reports of network failure. DataHub™ software uses a more sophisticated model to detect network failures which avoids false timeouts and blocking, and provides quick reconnects.

Benefits and Features

- No DCOM configuration hassles
- No open inbound firewall ports on OPC Server
- No VPNs required
- Easy to configure, just point and click
- Thousands of data updates per second
- Supports reverse proxies
- Data diode mode for one-way connections
- Supports multi-factor authentication, LDAP support, and IP range restrictions for user and group permissions
- Maximize throughput for multiple tunnels
- Optimize low-bandwidth connections

Cogent DataHub™

DataHub™ software keeps all OPC transactions local to the computer, thus fully protecting the client programs from any network irregularities.

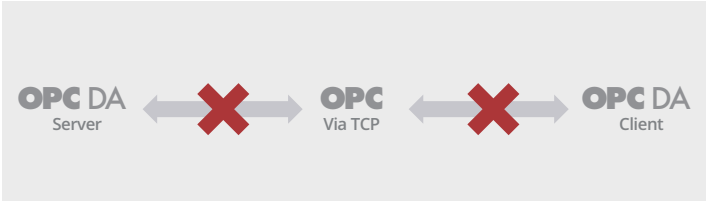


DataHub™ software mirrors data across the network, so that both sides maintain a complete set of all the data. This shields the clients from network breaks as it lets them continue to work with the last known values from the server. When the connection is re-established, both sides synchronize the data set.

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

Other products expose OPC transactions to network irregularities, making client programs subject to timeouts, delays, and blocking behaviour.



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.

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

DataHub™ software supports OPC UA (server and client), OPC UA A&C (server and client), OPC UA HDA (server), OPC Classic (DA 3, DA 2, and A&E), as well as Modbus TCP, MQTT, MQTT Sparkplug B, ODBC, DDE, TCP, HTTP and more. It runs on the following operating systems:

- Windows Server 2022 / 2019 / 2016
- Windows Server 2012 & R2
- Windows Server 2008 & R2
- Windows Server 2003 & R2 (DataHub v8 only)
- Windows 11 / 10 / 8.1 / 7
- Windows XP SP2 (DataHub v8 only)

About Skkynet

Skkynet is a global leader in real-time software and services that allow companies to securely acquire, monitor, control, visualize, network and consolidate live process data in-plant or in the cloud. DataHub™, DataHub™ for Azure, and Embedded Toolkit (ETK) software enable secure, real-time data connectivity for industrial automation, Industrial IoT, and Industrie 4.0. Visit **skkynet.com** for more about the company and **cogentdatahub.com** for more about Cogent DataHub.

Ordering Information

PRODUCT	CODE	DESCRIPTION
DataHub DA Tunneller	DHTUN	DataHub Core features with OPC DA and Tunnelling