

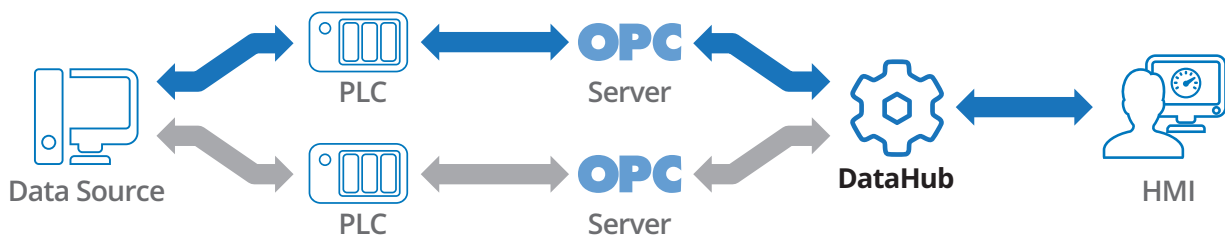


# DataHub® Redundancy

Add an extra layer of protection

## Ensure a reliable connection with hot-standby backup

Building a robust, hot-standby redundant system just got a lot easier. Using the DataHub Redundancy feature, you can add a second redundant communication path to maintain your connection in case your primary link goes down. DataHub middleware will manage the failover automatically, ensuring a timely and smooth transition.



## Effective problem detection

- Smart failover only triggers when the data source changes
- Choose event-based monitoring of points or link monitoring of the connection, or use both together
- Failover can apply to the entire server or data subsets, and to any number of points. This is useful when dealing with very large or very small systems
- Rate of change monitor can switch data sources when a point changes too slowly, indicating a problem.

## Rapid response times

- Millisecond timeouts for 'bumpless' failover minimize data loss
- Failover testing event-based, typically within 50 microseconds

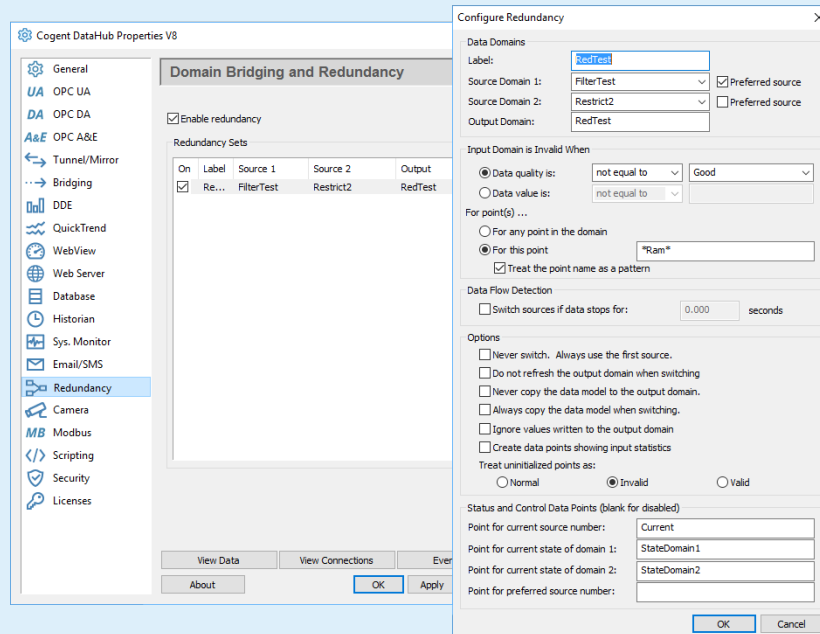
- Highly efficient: only a single network connection to server is necessary for any number of clients connecting to a DataHub instance
- No dependency on timers reduces switchover latencies

## Fully integrated

Redundancy is an add-on feature for any DataHub product. It is typically used in networking scenarios with the Tunnel/Mirror feature, and works equally well with OPC UA (and A&C), OPC Classic (DA or A&E), with any brand of OPC Server, Modbus, MQTT, MQTT Sparkplug B, DDE and ODBC. You can use the Email/SMS feature to send notifications of failovers, or the Database feature to log them, as well as diagnostic information.

## Convenient to use

- Supports hot, warm, and cold standby
- Complete access to both data sources at all times makes it easy to collect and present diagnostic information
- Configuration options for preferred data source, flow detection rate, status and control data points, input statistics, and more
- Easy to use, point and click interface. No programming necessary



## System information

DataHub® middleware 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)

## Ordering information

### PRODUCT

Data Redundancy

### CODE

ADDRED

### DESCRIPTION

Redundancy feature

## About Skkynet

Skkynet is a global leader in real-time middleware products and services that allow companies to securely acquire, monitor, control, visualize, network and consolidate live process data in-plant or in the cloud. DataHub®, Skkynet DataHub in Azure, and Embedded Toolkit (ETK) software enable secure, real-time data connectivity for industrial automation, Industrial IoT, and Industrie 4.0. Visit [skkynet.com](http://skkynet.com) for more.

Skkynet®, DataHub®, SkkyHub™, the Skkynet and DataHub logos are either registered trademarks or trademarks used under license by the Skkynet group of companies ("Skkynet"). All other trademarks, service marks, trade names, product names and logos are the property of their respective owners.