WATERFALL FOR MICROSOFT SQL SERVER

SECURE APPLICATION INTEGRATION THROUGH SQL SERVER REPLICATION

The Waterfall for Microsoft SQL Server Connector enables businesses to leverage industrial control system data throughout their enterprises. The connector addresses the needs of industrial systems to achieve safe integration of operational technology ()T and information technology (IT) while maximizing access to Microsoft SQL Server features, capabilities and applications.

By deploying the Waterfall for Microsoft SQL Server Connector, businesses eliminate the risk of remote cyberattacks entering their industrial control systems, while enabling seamless access to critical operational data for improved efficiencies.

Waterfall's simple installation, configuration and monitoring tools make it easy for Microsoft SQL Server users. Comprehensive diagnostics include real-time alarms that alert the user of fault conditions via Syslog, Windows logs, email, SNMP traps, log files and Waterfall's monitoring console.

BENEFITS OF WATERFALL FOR MICROSOFT SQL SERVER

Secure, accurate replication of SQL Server Databases

Elimination of remote control cyberattacks and online malware propagation

Facilitating compliance with NERC CIP, NIST, CFATS, ANSSI, UK DfT and more

Maximum utilization of all SQL SERVER features

Simple deployment, off-the-shelf solution

Rails   Oil & Gas   Manufacturing   Water   Power   Pharma

WATERFALL FOR MICROSOFT SQL SERVER

Waterfall for Microsoft SQL Server is part of the Waterfall Unidirectional Security Gateway family of products. The SQL Server replication software queries an SQL Server on an industrial network for data, sends that data across the Unidirectional Gateway hardware to a business network, and uses the data to populate a replica SQL Server there. Business users and applications requiring access to the real-time data, can access the replica database exclusively.

The replica database is maintained as a faithful, real-time replica of the original SQL Server on the industrial network. Enterprise users work with the SQL Server replica as if it were the original, industrial database. Unidirectional server replication improves not only security, but performance as well - users can issue complex or costly queries against the replica database without fear of slowing down or impairing the operation of critical systems on the industrial control network. Server replication provides enterprise-wide access to industrial data without the need to provide access to industrial servers and networks, securing the safety and reliability of the protected network with hardware-enforced measures.

FULLY-FEATURED & ROBUST SUPPORT:

» Real-time replication of Microsoft SQL Server databases

» Complete or selective DB replication

» Support for all SQL Server data types

» Automatic replication of database table and field additions, deletions and other metadata changes

» High-availability options:

» Preserves SQL Server transactional integrity

» Optional aggregation of multiple industrial SQL Servers into a single enterprise database

» Built-in backfill capability

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ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the global leader in industrial cybersecurity technology. The company's expanding portfolio of customers includes national infrastructures, power plants, nuclear plants, offshore oil and gas facilities, rail transport, refineries, manufacturing plants, utility companies, and many more. Deployed throughout North America, Europe, the Middle East and Asia, Waterfall products support the widest range of leading industrial remote monitoring platforms, applications, databases and protocols in the market. Please contact: info@waterfall-security.com