

WATERFALL FOR POSTGRESQL

SECURE APPLICATION INTEGRATION THROUGH POSTGRESQL REPLICATION

The Waterfall for PostgreSQL Connector enables businesses to leverage industrial control system data throughout their enterprises. The connector enables safe IT/OT integration while maximizing access to PostgreSQL features, capabilities and applications. By deploying the Waterfall for PostgreSQL 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 PostgreSQL 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 USING WATERFALL FOR POSTGRESQL



Secure, accurate replication of
PostgreSQL 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 PostgreSQL
features



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

WATERFALL FOR POSTGRESQL

The Waterfall for PostgreSQL connector queries a PostgreSQL database on an industrial network for real-time data, sends that data across Waterfall Unidirectional Gateway hardware to an enterprise network, and uses the industrial data to populate a replica PostgreSQL database on the external enterprise network. Business users and applications who need access to real-time data use the replica database exclusively.

The replica PostgreSQL is maintained as a faithful, real-time replica of the original PostgreSQL database on the industrial network. Users continue to operate as if nothing has changed, and are able to 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 allow direct 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 PostgreSQL databases
- » Complete or selective database replication
- » Full support for all PostgreSQL data types
- » High-availability options: HA source or replica PostgreSQL databases and/or redundant Unidirectional Gateways
- » Preserves PostgreSQL transactional integrity
- » Optional aggregation of several industrial PostgreSQL databases into a single enterprise database

INFO@WATERFALL-SECURITY.COM

WWW.WATERFALL-SECURITY.COM

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

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