WATERFALL FOR IOSIGHT

SECURE IOSIGHT SERVER REPLICATION FOR WATER AND ENERGY UTILITIES

Water and energy utilities need accurate access to IOSight data. Connecting the enterprise network to an industrial network through a firewall is high risk. All firewall connections that allow data to leave an industrial system also permit attacks to enter that system.

The Waterfall for IOSight connector enables safe IT/OT integration, while maximizing access to IOSight iGreen data, reports, and insights into site performance throughout an enterprise. By deploying the Waterfall for IOSight connector, facilities eliminate the risk of remote cyber attacks entering their industrial control systems, while enabling seamless access to critical operational data for improved efficiencies, facilitating cost savings and improved production.

The Waterfall for IOSight connector is simple to install, with user-friendly, web-based configuration and monitoring tools. Comprehensive diagnostics include real-time alarms that alert users of fault conditions via Syslog, Windows logs, email, SNMP traps, log files and Waterfall's monitoring console.

BENEFITS OF USING WATERFALL FOR IOSIGHT

Secure, accurate replication of IOSight Servers

Eliminates remote-control cyberattacks and online malware propagation

Simple deployment – connector runs entirely in the Unidirectional Gateway with simple web user interface

Facilitates compliance with NERC CIP, NIST 800-82, ANSSI, IEC 62443 and more

Maximum utilization of all IOSight iGreen features
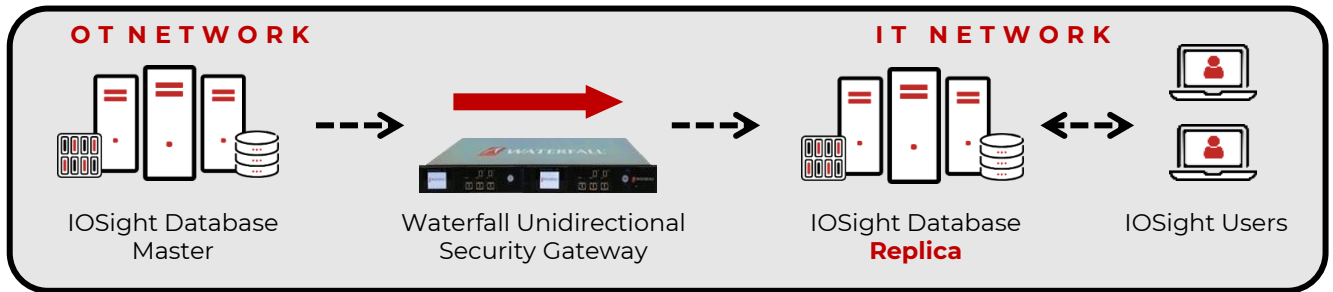
Power   Pipelines   Rail   Water   Facilities   Manufacturing

WATERFALL FOR IOSIGHT

Waterfall for IOSight provides safe real-time access to IOSight iGreen data and capabilities for enterprise users and applications. Utility management can use the data to monitor and evaluate operational processes in real-time to meet business and operational needs.

The Waterfall IOSight connector is configured as an IOSight client on both industrial and IT networks. The IOSight connector software queries the IOSight database on an industrial network, sends data across the Unidirectional Gateway hardware to the enterprise network, and uses the data there to populate a replica IOSight database. Business users and applications requiring access to real-time industrial data use IOSight iGreen and other applications to access the replica database normally.

The enterprise IOSight database is maintained as a faithful, real-time replica of the original IOSight database on the industrial network. Enterprise users can issue complex or costly queries against the replica iGreen database without fear of slowing down or impairing the operation of critical systems on the industrial control network. Unidirectional server replication provides enterprise-wide access to industrial data without the need to allow direct access to industrial servers, securing the safety and reliability of the protected network.

FULLY-FEATURED & ROBUST SUPPORT:

» Real-time replication of IOSight databases

» Full support for all IOSight data types

» Fully transparent to IOSight iGreen and other apps

» Preserves IOSight transactional integrity

» Optional aggregation of several industrial databases into a single enterprise database

» 1-10 Gbps throughput standard & High Availability options

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ABOUT WATERFALL

Waterfall Security Solutions' unbreachable OT cybersecurity technologies keep the world running. For more than 15 years, the most important industries and infrastructure have trusted Waterfall to guarantee safe, secure, and reliable operations. The company's growing list of global customers includes national infrastructures, power plants, nuclear generators, onshore and offshore oil and gas facilities, refineries, manufacturing plants, utility companies, and more. Waterfall's patented Unidirectional Gateways and other solutions combine the benefits of impenetrable hardware with unlimited software-based connectivity, enabling 100% safe visibility into industrial operations and automation systems.