

WATERFALL FOR WONDERWARE

SECURE MONITORING OF WONDERWARE SERVERS FOR ENTERPRISE USE

Industrial enterprises frequently need enterprise-wide access to Wonderware historical data for trending, analysis, optimization and reporting tools. Connecting enterprise networks to an industrial Wonderware Historian through a firewall, however, is high risk. All connections through firewalls that permit data to leave an industrial system also permit attacks to enter that system.

Waterfall's solution suite for Wonderware Historian and Backfill comprehensively addresses the needs of industrial systems to achieve safe integration of operational technology (OT) and information technology (IT) networks, while maximizing access to Wonderware data sets and analytics capabilities. By deploying Waterfall for Wonderware, businesses eliminate the risk of remote cyberattacks entering their industrial control systems while enabling seamless access to critical operational data for improved efficiencies.

Waterfall for Wonderware 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 WONDERWARE



Secure replication of Wonderware Historian Servers



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



Eliminates remote-control cyber attacks and online malware propagation



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



Maximum utilization of all Wonderware features



Power



Pipelines



Rail



Water



Facilities



Manufacturing

WATERFALL'S SOLUTION SUITE FOR WONDERWARE

WONDERWARE SYSTEM

Replicates operational Wonderware Systems in industrial networks to enterprise networks, optionally aggregating multiple plants into a single enterprise historian.

Users interact normally and bi-directionally with replica servers, keeping industrial networks safe from remote cyber attacks.

WONDERWARE BACKFILL

Retransmits Wonderware data to replica servers on the IT network to address any data gaps which may arise.

The Backfill function identifies existing data so that duplicate data does not appear in replica servers.



FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of tags, attributes, events, frames, values and notifications
- » Support for all data types including for numeric, digital, string and timestamp tags
- » Automatic replication of Wonderware tag addition, deletion, and other metadata changes
- » Complete or selective database replication
- » 1-10 Gbps throughput standard & High Availability options
- » Wonderware Backfill capabilities for data retransmission
- » Fully transparent to Wonderware Historian users
- » Optional aggregation of multiple Wonderware Historian server sources into one replica

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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.

Waterfall's products are covered by U.S. Patents 7,649,452, 8,223,205, and by other pending patent applications in the US and other countries. "Waterfall", the Waterfall Logo, "Stronger than Firewalls", "In Logs We Trust", "Unidirectional CloudConnect", and "CloudConnect, and "One Way to Connect" are trademarks of Waterfall Security Solutions Ltd. All other trademarks mentioned above are the property of their respective owners. Waterfall Security reserves the right to change the content at any time without notice. Waterfall Security makes no commitment to update content and assumes no responsibility for any mistakes in this document. Copyright © 2023, Waterfall Security Solutions Ltd. All Rights Reserved. www.waterfall-security.com