

WATERFALL FOR WONDERWARE

SECURE MONITORING OF WONDERWARE SERVERS FOR ENTERPRISE USE

Industrial enterprises frequently need enterprise-wide access to historical data via Wonderware for trending, analysis, optimization and reporting tools. Connecting enterprise networks to industrial Wonderware Historian sources through firewalls, 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.

BENEFITS OF USING WATERFALL FOR WONDERWARE



Secure replication of Wonderware Historian Servers



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 Wonderware features



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of tags, attributes, events, frames, values and notifications
- » Support for numeric, digital, string and timestamp tag types
- » Support for all data types
- » Automatic replication of Wonderware tag addition, deletion, and other metadata changes
- » Complete or selective database replication
- » High-availability options
- » Wonderware Backfill capabilities for data retransmission
- » Fully transparent to Wonderware Historian users.
- » Optional aggregation of multiple source Wonderware Historian servers into one replica

Waterfall's simple installation, configuration and monitoring tools make it easy for Wonderware 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.

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 data gaps.

The Backfill function identifies existing data so that duplicate data does not appear in replica servers in the case of any downtime.

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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

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