

WATERFALL FOR EDNA HISTORIAN

SECURE MONITORING OF WONDERWARE EDNA ENTERPRISE DATA HISTORIAN SERVERS

Industrial enterprises frequently need enterprise-wide access to historical data in eDNA Enterprise Data Historian servers for trending, analysis, optimization and reporting tools. Connecting enterprise networks to industrial eDNA Enterprise Data Historian sources 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 eDNA comprehensively addresses the needs of industrial enterprises to achieve safe integration of operational technology (OT) and information technology (IT) networks, while maximizing access to eDNA Enterprise Data Historian data sets and analytics capabilities. By deploying Waterfall for eDNA Historian, 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 eDNA Historian 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 EDNA HISTORIAN



Secure replication of EDNA 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 EDNA Enterprise Data Historian features



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

WATERFALL FOR EDNA HISTORIAN

The Waterfall for eDNA connector uses the Wonderware eDNA Replication system to create a real-time replica of an eDNA database server on an enterprise network. Replication data is sent across the Unidirectional Gateway hardware to synchronize the enterprise eDNA replica with the industrial eDNA source. Enterprise users and applications connect to the eDNA replica server exclusively.

The eDNA connector replicates operational eDNA Historian Systems in industrial networks to enterprise networks, optionally aggregating multiple plants into a single enterprise historian. Users interact normally and bi-directionally with replica eDNA servers on IT networks, keeping industrial networks safe from remote cyber attacks. The replica servers are maintained as faithful, synchronized replicas of the original servers on industrial networks. The replicas are so faithful that enterprise network users are often unaware that they are using the replicas. In addition, enterprise users can issue complex, costly queries against the replica database without fear of slowing down critical systems on the industrial control network.



FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of tags, attributes, events, alarms, frames, values and notifications
- » Support for all eDNA data types and time stamps
- » Automatic replication of eDNA Historian tag addition, deletion, and other metadata changes
- » Fully transparent to eDNA Historian users.
- » Complete eDNA database replication
- » 1Gbps operation standard

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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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