

WATERFALL FOR MICROSOFT MQ

SECURE REPLICATION OF MICROSOFT MQ QUEUE MANAGER

Microsoft MQ uses message queues to transport data and to connect to a wide range of applications and environments. Sending such messages through industrial firewalls introduces significant risks, as all connections through firewalls introduce attack opportunities. Waterfall for Microsoft MQ enables industrial networks to replicate Microsoft MQ message queues to enterprise networks, without risk to safe and continuous operation of industrial networks.

The Waterfall for Microsoft MQ connector software securely replicates Microsoft MQ Queue Manager servers to enterprise networks. Enterprise users access the replicas normally and bidirectionally without risk to the original OT network. The Waterfall for Microsoft MQ connector enables businesses to leverage operations data throughout their enterprises without exposing operations networks to cyber risk.

Waterfall's simple installation, configuration and monitoring tools make it easy for 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 MICROSOFT MQ



Secure replication of Microsoft MQ Queue Manager



Elimination of remote control cyber attacks and online malware propagation



Facilitating compliance with NERC CIP, NIST, CFATS, ANSSI, UK DfT and more



Maximum utilization of all Microsoft MQ features



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

WATERFALL FOR MICROSOFT MQ

The Waterfall for Microsoft MQ software connector replicates in real-time a Master Microsoft MQ Queue Manager located in the operations network, to a replica Microsoft MQ Queue Manager located on the enterprise network. Designed specifically for OT security, Waterfall for Microsoft MQ makes inbound data flows from enterprise to industrial networks physically impossible. Critical operations assets are now absolutely protected against any threats of remote cyber-attack, incoming viruses, or human errors originating on external networks.

Waterfall for Microsoft MQ communicates directly with the Microsoft MQ Queue Manager, ensuring the real-time replication of alerts, messages and archived messages. With Waterfall for Microsoft MQ, real-time replication is provided for heavy duty Microsoft MQ Queue Manager installations with unlimited number of messages. Users can continue to access and utilize the Microsoft MQ information originating in the industrial network while supporting business and operational objectives - enterprise-wide - without cyber risk to operations.



FULLY- FEATURED & ROBUST SUPPORT:

- » Filters Microsoft MQ data based on queue manager name and queue name
- » Supports Server and Client modes on each side of the gateway
- » Supports spoofing of message header
- » Optional creation of an archive queue that stores a copy of all messages before transmission to the corporate network
- » Standard 1Gbps connectivity
- » Fully transparent to Microsoft MQ users

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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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