

# WATERFALL FOR ACTIVEMQ<sup>™</sup>

## SECURE REPLICATION OF APACHE ACTIVEMQ<sup>™</sup> QUEUE MANAGER

Apache ActiveMQ 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 ActiveMQ enables industrial networks to replicate ActiveMQ message queues to enterprise networks, without risk to safe and continuous operation of industrial networks.

The Waterfall for ActiveMQ connector software securely replicates ActiveMQ Queue Manager servers to enterprise networks. Enterprise users access the replicas normally and bidirectionally without risk to the original OT network. The Waterfall for ActiveMQ 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 ACTIVEMQ



Secure replication of ActiveMQ 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 ActiveMQ features



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

## WATERFALL FOR ACTIVEMQ

The Waterfall for ActiveMQ software connector replicates in real-time a Master ActiveMQ Queue Manager located in the operations network, to a replica ActiveMQ Queue Manager located on the enterprise network. Designed specifically for OT network environments, Waterfall for ActiveMQ 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 ActiveMQ communicates directly with the ActiveMQ Manager, ensuring the real-time replication of alerts, messages and archived messages. With Waterfall for ActiveMQ, real-time replication is provided for heavy duty ActiveMQ Queue Manager installations with unlimited number of messages. Users can continue to access and utilize the ActiveMQ information originating in the industrial network while supporting business and operational objectives - enterprise-wide - without cyber risk to operations.



# FULLY- FEATURED & ROBUST SUPPORT:

- » Filters ActiveMQ 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 sent to the corporate network
- » Standard 1Gbps connectivity
- » Fully transparent to ActiveMQ 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](mailto:info@waterfall-security.com)

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