

WATERFALL FOR SMTP

SECURE EMAIL DISTRIBUTION

The Simple Mail Transport Protocol (SMTP), or client-server communications for electronic mail delivery, is often used for sending automated messages, alerts, reports and log files out of critical industrial networks to enterprise networks and the Internet. However, permitting bi-directional SMTP traffic through industrial firewalls and out to the Internet introduces significant risks, as all connections through firewalls introduce attack opportunities.

Waterfall for SMTP enables industrial networks to send electronic mail to enterprise networks and the Internet without risk to the safe and continuous operation of industrial networks. Waterfall's SMTP connector enables businesses to leverage industrial control system data throughout their enterprises without exposing control systems to cyber risk.

Waterfall for SMTP is simple to install, with user friendly configuration and monitoring tools. 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 SMTP



Secure unidirectional electronic mail distribution from industrial sources to enterprise networks and the Internet



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



Not physically able to transmit any remote attacks or malware propagation from external networks into protected networks



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



Complete control over electronic mail sources and destinations



Power



Pipelines



Rail



Water



Facilities



Manufacturing

WATERFALL FOR SMTP



Waterfall for SMTP is part of the Waterfall Unidirectional Security Gateway family of products. Waterfall for SMTP is an SMTP-standard server on the source industrial network, and a standard SMTP client on the destination enterprise network. The unidirectional Waterfall for SMTP solution forwards electronic mail messages to destinations configured in the destination enterprise network. No electronic mail message can be forwarded by industrial sources to arbitrary destinations and email addresses.

Waterfall for SMTP secures the electronic mail transmission process against the possibility of propagating any cyber threats from the enterprise network back into the industrial network through the Unidirectional Gateway. Deployment of Waterfall for SMTP is straightforward – after installation, electronic mail senders on the industrial network, and receivers on the enterprise network, continue to operate normally and require no configuration changes.

FULLY- FEATURED & ROBUST SUPPORT:

- » Safe, real-time electronic mail delivery from protected industrial networks to enterprise and Internet destinations
- » Precise control over the destination of electronic mail messages
- » 1-10 Gbps throughput standard & High Availability options
- » Compatible with all SMTP-standard clients and servers, including Microsoft Exchange, and Linux email servers.

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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