

# WATERFALL FOR CIFS/SMB

## ABSOLUTE PROTECTION FOR CIFS/SMB FILE TRANSFERS

Industrial enterprises rely on routine file transfers from OT to IT networks. Many sites routinely transfer logs, custom reports, debugging information and configuration backups to IT networks. However, such transfers through firewalls introduce unacceptable risk to OT control system networks.

Waterfall for CIFS / SMB safely transfers files from industrial Windows shares to enterprise shares, which enables businesses to leverage operations data throughout their enterprises without risk. By deploying Waterfall Unidirectional Gateway technology with CIFS/SMB connectors, industrial enterprises gain seamless access to operations files and data, without introducing the network vulnerabilities that always accompany firewalls. In addition, convenient unidirectional file transfers from OT to IT networks dramatically reduce the need for removable USB and other media and reduce the serious risks associated with such media use.

Waterfall CIFS/SMB connectors are 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 CIFS/SMB



Secure, real-time unidirectional file transfers to enterprise networks



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



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



Unlimited sources and folder tree depths, supporting all file types and sizes



Dramatically reduces need for removable media



Power



Pipelines



Rail



Water



Facilities



Manufacturing

## WATERFALL FOR CIFS/SMB



Waterfall for CIFS/SMB connectors enable safe file transfers from OT to IT networks, securing operations and industrial networks against cyber threats from enterprise networks. On operations networks, Waterfall CIFS/SMB connectors act as file transfer clients, pulling files from the operations network. On the enterprise network, the gateway and connector pushing transferred files to IT hosts and servers. Waterfall's sophisticated file filtering ensures that only approved file types with set characteristics are made available on enterprise networks. A configurable operations archive can save copies of all transferred files for a pre-determined period.

The unidirectional file transfer process is transparent to users on enterprise networks - Waterfall CIFS/SMB connectors enable files to be transferred manually or automatically and distributed throughout IT network destinations as needed.

## FULLY- FEATURED & ROBUST SUPPORT

- » Safe, reliable and comprehensive support for Windows-style file shares over the CIFS/SMB/Samba protocol
- » Filters: file size, file names, file types & regular expressions
- » 1-10 Gbps standard throughput
- » Sophisticated controls over file transfer sources, destinations, schedules and modes
- » Compatible with Windows and Linux clients & servers
- » Standard High Availability options

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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](http://www.waterfall-security.com)