

WATERFALL FOR TFTP

ABSOLUTE PROTECTION FOR TFTP FILE TRANSFER

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 TFTP safely transfers files via the Trivial File Transfer (TFTP) protocol, enabling businesses to leverage operations data throughout their enterprises without the risks that always accompany firewalled connectivity. In addition, convenient unidirectional file transfers from OT to IT networks dramatically reduce the need for removable media and reduce the serious risks associated with such media use.

Waterfall for TFTP 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 TFTP



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 TFTP



Waterfall for TFTP connectors enable safe file transfers from OT to IT networks, securing operations and industrial networks against cyber threats from enterprise networks. On industrial networks, Waterfall for TFTP connectors act as file transfer clients, pulling files from servers on the industrial network and pushing them to servers on the enterprise network. 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 TFTP connectors enable files to be transferred manually or automatically and distributed throughout IT network destinations as needed. Waterfall's Unidirectional Gateway technology coupled with TFTP connectors provide seamless and safe IT/OT integration, protecting safe and reliable physical operations with patented, hardware-enforced unidirectional technologies.

FULLY- FEATURED & ROBUST SUPPORT

- » Safe, reliable and comprehensive support for TFTP file transfers
- » 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 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