

WATERFALL FOR FILE TRANSFER

ABSOLUTE PROTECTION FOR FILE TRANSFER COMMUNICATIONS

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 offers a wide range of hardware-enforced, unidirectional File Transfer options that enable businesses to safely leverage operations data throughout their enterprises without risk. These File Transfer connectors enable seamless and safe IT/OT integration. By deploying Waterfall Unidirectional Gateway technology with File Transfer connectors, industrial enterprises eliminate the risk of remote cyberattacks entering operations networks, while enabling seamless access to critical operations data for improved efficiencies. 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 File Transfer 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 FILE TRANSFER



Secure, real-time unidirectional file transfers to enterprise networks



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



Elimination of remote control cyberattacks and online malware propagation



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



Dramatically reduces need for removable media



Rails



Oil & Gas



Manufacturing



Water



Power



Facilities

WATERFALL FOR FILE TRANSFER

Waterfall for File Transfer 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 File Transfer connectors generally act as file transfer clients, pulling files from the operations network and pushing them to machines on IT networks. Alternately, Waterfall File Transfer connectors can also act as a file server on either or both of OT or IT networks, so that end users can drag and drop files into and out of defined folders or sub-folders. 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 configurable period of time.

The unidirectional file transfer process is transparent to users on enterprise networks - Waterfall File Transfer connectors enable files to be transferred manually or automatically, and distributed throughout IT network destinations as needed. Waterfall's Unidirectional Gateway technology coupled with File Transfer connectors provide seamless and safe IT/OT integration, protecting safe and reliable physical operations with patented, hardware-enforced unidirectional technologies.

FULLY- FEATURED & ROBUST SUPPORT

- » File Transfer connectors: Local Folder, Remote Folder, FTP(S), SFTP, TFTP, NFS, CIFS/SMB, HTTPFS, Log Mirroring, & Folder Mirroring
- » Safe, reliable and comprehensive file transfer support
- » Support for file tree mirroring and individual file transfers
- » Filters: file size, file names, file types & regular expressions
- » 1Gbps throughput standard
- » Option to deploy multiple unidirectional hardware sets in parallel to scale to arbitrarily large files and file volumes
- » Sophisticated controls over file transfer sources, destinations, schedules and modes
- » Configurable archive options
- » Compatible with Microsoft, Linux and Unix clients & servers

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ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the OT security company, producing a family of Unidirectional Gateway technologies and products that enable enterprise-wide visibility for operations, with disciplined control. Waterfall products represent an evolutionary alternative to firewalls. The company's growing list of customers includes national infrastructures, power plants, nuclear plants, off and on shore oil and gas facilities, 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. For more information, please contact info@waterfall-security.com

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