

# WATERFALL FOR FTP(S)

## ABSOLUTE PROTECTION FOR FTP(S) FILE TRANSFERS

Industrial enterprises rely on routine FTP(S) 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 FTP(S) safely transfers files from industrial sources to enterprise destinations via the widely available FTP and FTPS protocols, enabling businesses to safely leverage operations data throughout their enterprises without the risks that always accompany firewalls. 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 FTP(S) 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 FTP(S)



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



Oil & Gas



Rail



Facilities



Water

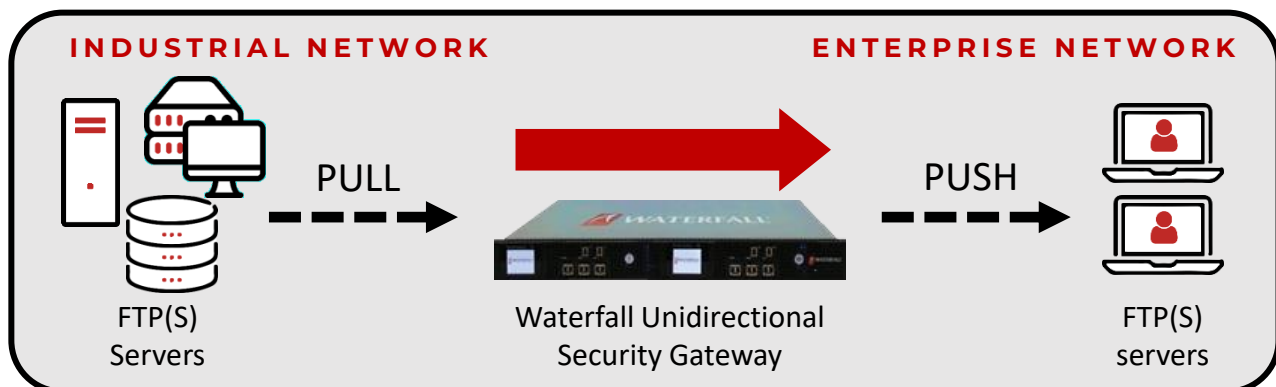


Manufacturing



Government

## WATERFALL FOR FTP(S)



Waterfall for FTP(S) 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 FTP(S) connectors act as FTP and FTPS clients, pulling files from the machines on the industrial network. On the IT network, the gateway and connectors push those 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 transferred files for a pre-determined period.

The unidirectional FTP(S) file transfer process is transparent to users on enterprise networks - Waterfall FTP(S) connectors enable files to be transferred manually or automatically and distributed throughout IT network destinations as needed. Waterfall's Unidirectional Gateway technology coupled with FTP(S) 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 FTP and FTPS/TLS 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 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.