

WATERFALL FOR WSUS

SECURE TRANSFER OF WINDOWS SECURITY UPDATES

Waterfall for WSUS enables safe security and software updates of operations networks operating systems and applications. Opening paths through IT/OT firewalls to allow deployment of software updates introduces unacceptable risk to OT networks – all connections through firewalls introduce potential attack opportunities.

Waterfall for WSUS is based on Waterfall's Unidirectional Gateway technology. The WSUS connector enables safe IT/OT integration and seamless integration with WSUS servers. By deploying the Waterfall for WSUS connector, businesses eliminate the risk of remote cyber attacks entering operations control systems and networks.

Waterfall's simple installation, configuration and monitoring tools make it easy for users. Comprehensive diagnostics include real-time alarms that alert users and network operations of fault conditions via Syslog, Windows logs, email, SNMP traps, log files, and Waterfall's monitoring console.

BENEFITS OF USING WATERFALL FOR WSUS



Hardware-enforced unidirectional transfer of security updates into operations networks



Elimination of remote control cyberattacks and online malware propagation



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



Seamless integration with WSUS servers



Simple deployment, off-the-shelf solution



Rails



Oil & Gas



Manufacturing



Water



Power



Pharma

WATERFALL FOR WSUS

Waterfall's solution for Windows Server Update Services (WSUS) enables seamless synchronization of operating system and application updates into operations networks while eliminating the risk of remote command and control, malware and other attacks on those networks.

On the enterprise network, the Waterfall software is a client of WSUS servers and receives software and security update from those servers. On the industrial network, the Waterfall software is a client of the operations' WSUS servers, synchronizing those servers with enterprise WSUS servers through the unidirectional fiber-optic link. The gateway software uses sophisticated filters to validate software updates against vendors' cryptographic signatures, blocking unauthorized updates and malware.

Waterfall Unidirectional Gateway hardware deployed between IT and OT networks is physically able to send information into operations networks but can send nothing back out. This hardware blocks even the most sophisticated command-and-control connections and remote-control attacks. Waterfall addresses the need to automate the management of security updates, while guaranteeing the security of critical operations networks.

FULLY- FEATURED & ROBUST SUPPORT:

- » Real-time replication of operating system and applications software and security updates
- » Supports Waterfall's Unidirectional Security Gateway and FLIP hardware
- » Validates updates prior to entering operations networks
- » Minimal changes required to existing infrastructure
- » Modular, scalable, and user-serviceable hardware
- » Standard 1Gbps throughput with optional high-availability (HA) configurations

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ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the global leader in industrial cybersecurity technology. The company's expanding portfolio of customers includes national infrastructures, power plants, nuclear plants, offshore oil and gas facilities, rail transport, 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. Please contact: info@waterfall-security.com

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