

# WATERFALL FOR ANTIVIRUS UPDATER

## SECURE TRANSFER OF ANTIVIRUS UPDATES

Waterfall for Antivirus updater enables safe antivirus updates for operations networks. Opening paths through IT/OT firewalls to allow deployment of antivirus updates introduces unacceptable risk to OT networks – all connections through firewalls introduce potential attack opportunities.

Waterfall for Antivirus updater is based on Waterfall's Unidirectional Gateway technology. The Antivirus updater connector enables safe IT/OT integration and seamless integration with antivirus update servers. By deploying the Waterfall for Antivirus Update 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 ANTIVIRUS UPDATER



Hardware-enforced unidirectional transfer of antivirus 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



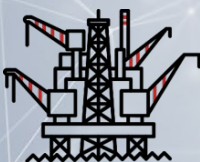
Seamless integration with anti virus servers



Dramatically reduces need for removable media



Rails



Oil & Gas



Manufacturing



Water



Power



Chemicals

## WATERFALL FOR ANTIVIRUS UPDATER

Waterfall for Antivirus Updater enables seamless antivirus signature and other updates for operations networks while eliminating the risk of remote command and control, malware and other attacks on those networks. The Antivirus updater supports all major antivirus vendors including Kaspersky™, Trend Micro, Norton™, OPSWAT, FortiGate, Check Point and McAfee.

On the enterprise network, the Waterfall software is a client of the vendor's antivirus repository, and fetches update files regularly. On the industrial network, the Waterfall software is a client of an operations antivirus server, receives the replicated updates through the unidirectional fiber-optic link and then pushes the updates to the industrial antivirus server for OT distribution.

Bi-directional communications still take place between a vendor's antivirus repository and the Waterfall software, as well as between the industrial antivirus servers and the Waterfall software on the industrial network. Waterfall Unidirectional Gateway hardware is deployed between enterprise and OT networks and 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 antivirus updates, while providing absolute protections to critical operations networks.

### FULLY- FEATURED & ROBUST SUPPORT:

- » Supports all major antivirus vendors
- » Supports Waterfall Unidirectional Security Gateway and FLIP hardware
- » Validates updates against vendor cryptographic signatures
- » 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 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](mailto:info@waterfall-security.com)