WATERFALL

Stronger Than Firewalls

WATERFALL FOR NETFLOW

SECURE REPLICATION OF NETFLOW DATA

The visibility into the IP traffic flow provided by NetFlow collectors on OT networks in industrial enterprises is critical for network performance and troubleshooting. However, opening paths through industrial firewalls to NetFlow collectors is problematic – all connections through firewalls introduce potential attack opportunities. Waterfall for NetFlow is based on Waterfall's Unidirectional Gateway technology, enabling visibility into networks without introducing connectivity risks.

Unidirectional Gateway software securely replicates NetFlow servers to external networks. Enterprise users access the replicas normally and bidirectionally without risk to the original OT network. The replica servers provide central NetFlow systems with the full IP network traffic monitoring information that they need to understand network activity without the connectivity risk. Waterfall for NetFlow enables secure network traffic monitoring and analysis with safe IT/OT integration.

The Waterfall for NetFlow Connector is simple to install, with user-friendly, web-based configuration and monitoring tools. Comprehensive diagnostics include real-time alarms that alert users of fault conditions via Syslog, Windows logs, email, SNMP traps, log files and Waterfall's monitoring console.

BENEFITS OF USING WATERFALL FOR NETFLOW

Secure replication of NetFlow collectors

Elimination of remote control cyberattacks and online malware propagation

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

Enterprise users have full access to all NetFlow features

Simple deployment, off-the-shelf solution

Rails   Oil & Gas   Manufacturing   Water   Power   Pharma

WATERFALL FOR NETFLOW

Waterfall addresses the need for making NetFlow data visible on the business network, while guaranteeing the absolute security of the critical operational network. Waterfall's physical hardware-based technology protects operational assets by eliminating any threat of cyber-attack, incoming malware or human errors originating from external networks back into the critical network. Waterfall for NetFlow emulates NetFlow network switches to external networks by transmitting NetFlow statistics through the Unidirectional Gateway to external NetFlow consumers such as enterprise or cloud-based network operations centers (NOCs).

The Waterfall Unidirectional Gateway hardware deployed between IT and OT networks includes a TX Module containing a fiber-optic transmitter/laser, and an RX Module containing an optical receiver but no laser. The Gateway hardware makes it physically impossible for attacks to flow from the corporate network towards the industrial network, eliminating any threats of online attacks, malware or human errors.

FULLY-FEATURED & ROBUST SUPPORT:

» Emulates an unlimited number of managed devices

» Enables secure, real time monitoring of critical assets across the organization

» Optional aggregation of multiple industrial NetFlow sources to a single enterprise server

» Standard 1Gbps connectivity

» Fully transparent to users

INFO@WATERFALL-SECURITY.COM | WWW.WATERFALL-SECURITY.COM

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