

Waterfall for Syslog

Cybersecurity for Syslog Messages



Features and Benefits

- Unidirectional Syslog integration
- Syslog messages originating in the industrial networks are available throughout the organization
- Information flow towards the industrial network is physically impossible
- Supports all versions of standard syslog
- Assists in achieving NERC, NIST, CFATS and other regulatory compliance
- Easy and simple to install and maintain

Overview

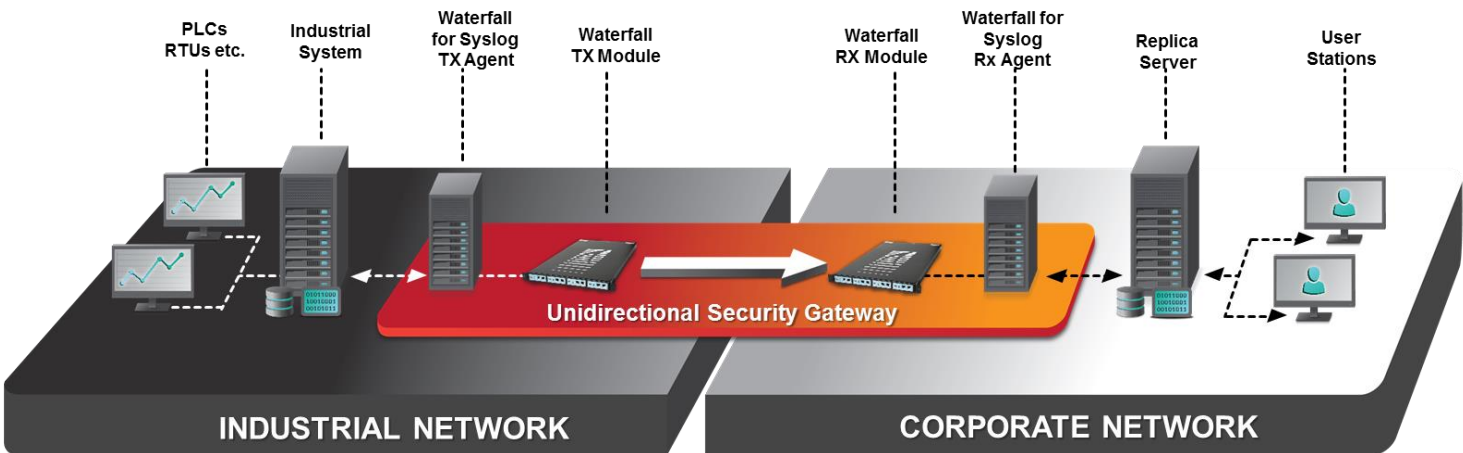
The Waterfall solution for secure integration with Syslog makes Syslog messages from reliability-critical and safety-critical systems available throughout an organization, without introducing the vulnerabilities that always accompany firewall deployments.

Features and Benefits

The Waterfall for Syslog solution is based upon the Waterfall Unidirectional Security Gateway product suite. The gateways are a combination of hardware and software. The transmit gateway hardware contains a laser, and the receive gateway hardware contains a photocell. A fiber-optic cable links the two hardware units. As a result, the transmit gateway can send data to the receive gateway, but the receive gateway cannot send anything back into the control network. No online attack originating on an external network can pass back into a protected network through the gateway hardware.

The Waterfall for Syslog provides a standard Syslog server on a protected industrial network, gathering Syslog messages from that network. The content and message metadata are extracted from the messages and transmitted to the external network. On the external network, appropriate new messages are created and sent to a configured Syslog server, such as a SIEM in a corporate SOC. No original Syslog messages are ever transmitted from the source network to the destination network. Waterfall for Syslog prevents Syslog messages from being used by malware to contact command and control centers.

Waterfall for Syslog are supported by and deployed routinely with leading SIEM and log analysis vendors, including Splunk, HP ArcSight, CA, and Intel ESM.



The unidirectional Syslog messages streaming process is fully transparent to users and they can utilize the Syslog messages in the same way they did without changing working procedures. Due to the growing concern of the North-American authorities regarding the vulnerability of industrial networks, Waterfall for Syslog provides a solid foundation for achieving NERC-CIP, NIST, CFATS and other regulations compliance.

Installing and monitoring the Waterfall for Syslog is done using configuration and monitoring applications. These applications enable fast and easy installation, as well as monitoring of performances. Comprehensive diagnostics include real time alarms that alert the user of fault conditions via email, SNMP, log file and Waterfall's monitoring console.

Specifications

Network Interfaces: 10/100 Base-T or 1000BaseT Power Single or Dual PS , 100-240V AC, 50-60Hz,
Network Connector: Ethernet: RJ45 (CAT5)
Power consumption: 7W
Management: Configuration and monitoring applications

Dimensions: 482 mm [19"] (W), 43.5mm [1U] (H), 253 mm (D) Rack-mount unit
Alarms: User defined
Weight: 1.75 Kg
Temperature: Operating: 0° C to 50° C
Storage: -10° C to 70° C
Humidity Range: 0 to 95% at 45° C, non-condensing

Contact us:

USA T: +1 (703) 840-5452
 F: +1 (703) 840-5401

International T: +972 3-900-3700
 F: +972 3-900-3707

Information: info@waterfall-security.com
 Sales: sales@waterfall-security.com

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