

Waterfall for PI Archive

Cyber Security for PI Archive Replication



- Cyber secure, unidirectional PI Archive data streaming
- Eliminates cyber threats and risks
- Assists in achieving NERC, NIST, CFATS and other regulatory compliance
- Benchmarked together with OSISOft
- Enables analysis of historical events, faults and performances
- Control over the streamed data's dates and types
- Easy and simple to install and maintain.

General

Waterfall for PI Archive comprehensively addresses utilities' needs to maximize utilization of the PI archive from across the organization while maintaining absolute cyber-security of their mission critical assets and meeting regulatory compliance.

Features and Benefits

The Waterfall for PI Archive incorporates Waterfall Unidirectional Security Gateway, a patent technology consisting of hardware based unidirectional fiber optic link. It physically enforces unidirectional PI Archive data streaming from the Master PI server located in the industrial network to the Replica PI server located in the corporate network. Since any inbound data flow is physically impossible, the industrial network is now absolutely protected against any threats of cyber-attack, incoming viruses and malware or human errors originating from external networks.

Upon activation, the Waterfall for PI Archive interfaces directly with the Master PI server and downloads historical data. It then streams the selected PI archive data through the Waterfall appliances towards the Replica PI server located in the corporate network. The PI Archive data streaming process is fully transparent to the users, and has no effect on working procedures. Users across the organization have full access to the PI archived data and can analyze historical events, investigate faults and assess performances in the same way they did with the Master PI server.

Waterfall for OSISOft PI was benchmarked together with OSISOft and Waterfall Security Solutions to ensure perfect compatibility and superior performance. It enables Waterfall for OSISOft PI to support PI installations of any size, including large PI servers consisting of hundreds of thousands of tags.

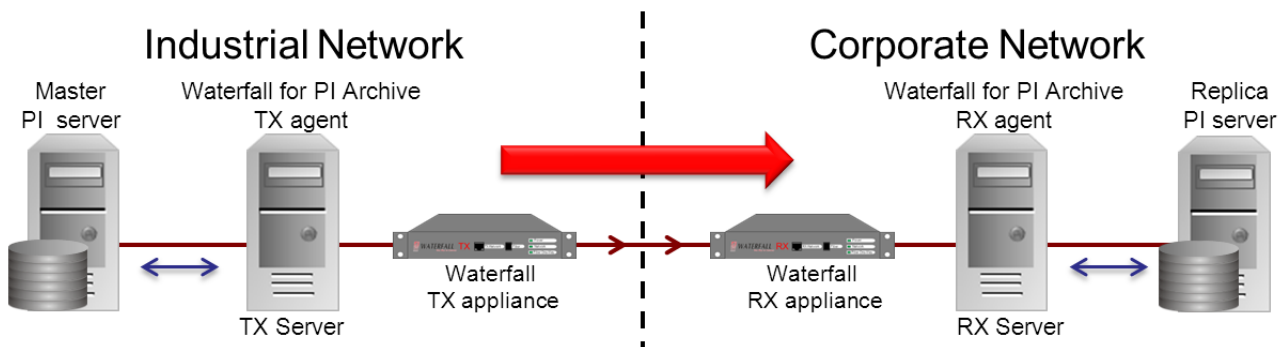


Due to the growing concern of the North-American authorities regarding the vulnerability of the Industrial networks, Waterfall for PI Archive provides a solid foundation for achieving NERC-CIP, NIST, CFATS and other regulations compliance.

The Waterfall for PI Archive empowers the user to control the PI Archive data streaming process, by providing:

- Setting specific dates for PI Archive data streaming
- Support for streaming of tags, tags' attributes, events, values and alerts
- Support for Numeric, Digital, String and Timestamp tag types
- Filtering based on tag names and user pre-defined attributes
- Alerting following predefined snapshot thresholds.

Installing and monitoring the Waterfall for PI Archive 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 PI tags.



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
Status Indication LEDs:	Power (Orange) – Power operating correctly Network (Green) – Ethernet port is connected Fiber One-Way (Green) – Optical link data is active	Temperature:	Operating: 0° C to 50° C Storage: -10° C to 70° C
		Humidity Range:	0 to 95% at 45° C, non-condensing

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