

WATERFALL FOR PANORAMA

SECURE REPLICATION OF PANORAMA SYSTEMS

Transportation operators need real-time information from the Panorama suite to provide regular and reliable services. Connecting the enterprise network to the industrial network through a firewall is high risk, as all firewall connections that allow data to leave an industrial system also potentially permit attacks to enter that system.

The Waterfall for Panorama connector software replicates the Panorama system and enables transportation professionals to leverage data safely and reliably from systems throughout their enterprises. Waterfall for Panorama enables safe IT/OT integration while maximizing access to the latest real time Panorama data and to Panorama capabilities. Deploying Waterfall for Panorama eliminates the risk of remote cyber attacks entering industrial control systems while enabling seamless access to critical operational data for improved efficiencies, cost savings and improved production.

The Waterfall for Panorama Solution 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 PANORAMA



Secure, accurate replication of Panorama Systems



Simple deployment – connector runs entirely in the Unidirectional Gateway with simple web user interface



Eliminates remote-control cyber attacks and online malware propagation



Facilitates compliance with NERC CIP, NIST 800-82, ANSSI, IEC 62443 and more



Maximum utilization of all Panorama features



Power



Pipelines



Rail



Water



Facilities



Manufacturing

WATERFALL FOR PANORAMA

Waterfall for Panorama replicates configuration files and enables safe file transfers from OT to IT networks securing operations and industrial networks against cyber threats from enterprise networks. The solution can act as a file transfer client, pulling files from the operations network and pushing them to machines on IT networks. Waterfall's sophisticated file filtering ensures that only approved file types with set characteristics are made available on enterprise networks.

Waterfall for Panorama unidirectionally replicates CODRA Panorama databases. The Panorama server on the enterprise network is maintained as a faithful, real-time replica of the original server on the industrial network. Enterprise users work with the server replica as if it were the original, industrial server. Unidirectional server replication improves not only security, but performance as well - users can issue complex or costly queries against the replica database without fear of slowing down or impairing the operation of critical systems on the industrial control network. Server replication provides enterprise-wide access to industrial data without the need to provide access to industrial servers and networks, securing the safety and reliability of the protected network with hardware-enforced measures. 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:

- » Replicates all components of the Panorama suite
- » Sophisticated controls over file transfer sources, destinations, schedules and modes
- » Real-time replication of CODRA Panorama databases
- » Support for all CODRA Panorama data types
- » Fully transparent to CODRA Panorama user
- » 1-10 Gbps standard throughput

INFO@WATERFALL-SECURITY.COM

WWW.WATERFALL-SECURITY.COM

ABOUT WATERFALL

Waterfall Security Solutions' unbreachable OT cybersecurity technologies keep the world running. For more than 15 years, the most important industries and infrastructure have trusted Waterfall to guarantee safe, secure, and reliable operations. The company's growing list of global customers includes national infrastructures, power plants, nuclear generators, onshore and offshore oil and gas facilities, refineries, manufacturing plants, utility companies, and more. Waterfall's patented Unidirectional Gateways and other solutions combine the benefits of impenetrable hardware with unlimited software-based connectivity, enabling 100% safe visibility into industrial operations and automation systems.

Waterfall's products are covered by U.S. Patents 7,649,452, 8,223,205, and by other pending patent applications in the US and other countries. "Waterfall", the Waterfall Logo, "Stronger than Firewalls", "In Logs We Trust", "Unidirectional CloudConnect", and "CloudConnect, and "One Way to Connect" are trademarks of Waterfall Security Solutions Ltd. All other trademarks mentioned above are the property of their respective owners. Waterfall Security reserves the right to change the content at any time without notice. Waterfall Security makes no commitment to update content and assumes no responsibility for any mistakes in this document. Copyright © 2023, Waterfall Security Solutions Ltd. All Rights Reserved. www.waterfall-security.com