

WATERFALL FOR PANORAMA

SECURE REPLICATION OF PANORAMA SYSTEMS

Transportation operators need real-time information from the Panorama Suite to enable business automation and business efficiencies. Connecting the enterprise network to the industrial network through a firewall is high risk, however, 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 is part of the Waterfall Unidirectional Security Gateway family of products. The connector replicates the Panorama system unidirectionally to an IT network and enables organizations to leverage data safely and reliably 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, without the risks that always accompany firewalled connectivity.

Waterfall for Panorama connector is simple to install, with user-friendly web-based configuration and monitoring tools. Comprehensive diagnostics include real-time alarms 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



Not physically able to transmit any remote attacks or malware propagation from external networks into protected networks



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



Maximum utilization of all Panorama features



Power



Pipelines



Rail



Water

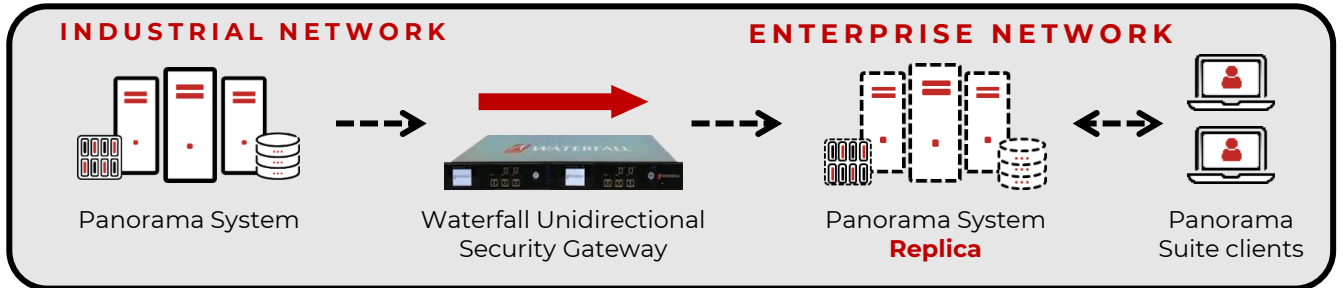


Facilities



Manufacturing

WATERFALL FOR CODRA PANORAMA SUITE



Waterfall for Panorama enables safe configuration file, database and other transfers from OT to IT networks while securing OT networks against cyber threats from enterprise networks. The solution can act as a file transfer client, pulling files from the operations network and replicating 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 also 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 enterprise server 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 systems on the industrial network. It is not physically for attacks to flow from the IT network back into the OT network through the Waterfall Unidirectional Gateway hardware.

FULLY- FEATURED & ROBUST SUPPORT:

- » 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

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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