

Waterfall Security Solutions and OPSWAT have partnered to provide the most comprehensive, robust, Common Criteria certified solution for secure unidirectional flows between low security and high security networks. The joint solution supports a wide variety of unidirectional file transfer protocols, email delivery and HTTP/web server uploads. The combination of the OPSWAT MetaDefender suite of products and Waterfall's suite of Unidirectional Security Gateway products provides unparalleled security and flexibility for cross-domain connections.

JOINT SOLUTIONS:

- ▶ [SECURE FILE TRANSFER](#) ▶ [SECURE EMAIL](#) ▶ [SECURE UPLOADS](#)

BENEFITS

- ▶ Secure on-way transmission with certified assurance of protection from information leaks
- ▶ Common Criteria certified to EAL4+ with HIGH_ATTACK_POTENTIAL – meaning there is a high degree of confidence that the solution defeats even the most sophisticated nation-state-grade attempts to attack the solution
- ▶ Detect and eliminate known and unknown threats in files, emails and uploads moving into high-security networks
- ▶ Protection against zero-day and targeted attacks
- ▶ Wide flexibility and compatibility for systems and protocols used to integrate low-security with high-security networks

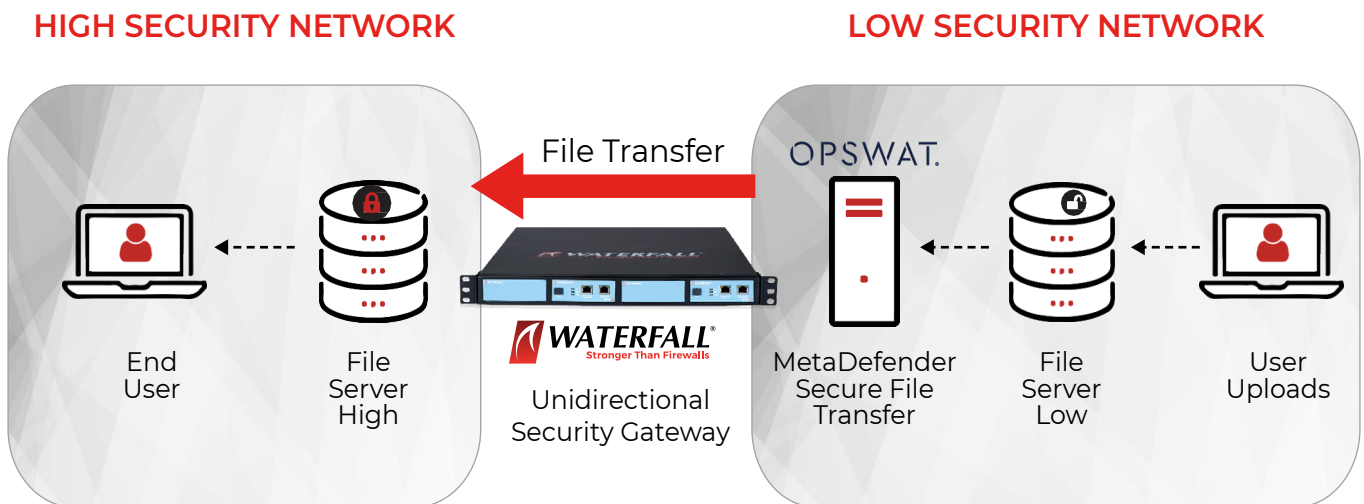
UNIDIRECTIONAL SECURITY GATEWAYS

Waterfall Unidirectional Security Gateways enable safe and seamless cross-domain integration of high security and low security networks. The gateways provide certified, physical, hardware-based protection from online data exfiltration attack, no matter how sophisticated the attack. The gateways come in a wide variety of physical form-factors to accommodate all deployment scenarios.

UNIDIRECTIONAL SECURITY GATEWAYS

Modern enterprises depend on high security networks containing critical information. However, these networks also need to receive reports, files, and updates from low security networks. Such transfers through firewalls introduce unacceptable risks to high security networks.

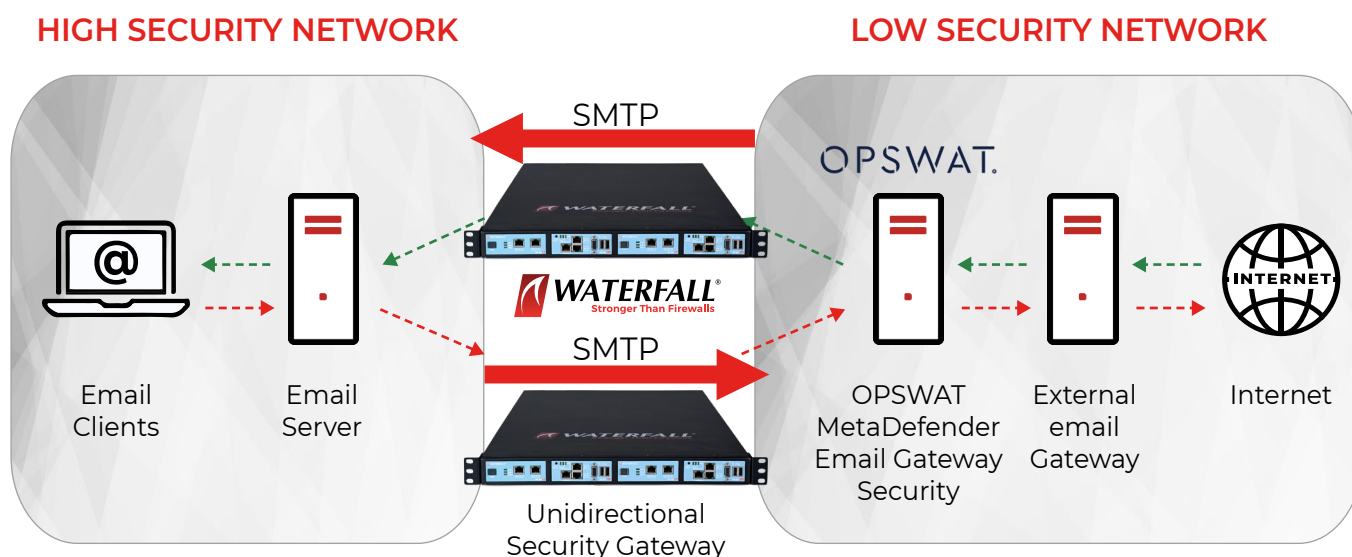
Waterfall Unidirectional Gateways and OPSWAT MetaDefender together enable secure data transfer and safe device access between low security and high security networks. OPSWAT MetaDefender scans files and media for malware and for other malicious content. Waterfall's Unidirectional Gateways with their wide range of file transfer connectors then enable enterprises to safely transfer scanned files to a high security network.



All of Waterfall File Transfer connectors can act as file transfer clients, pulling files from the low security network and securely transferring those files to devices on high security networks. Alternately, Waterfall File Transfer connectors can also act as a file server on either or both of high and low security networks.

SECURE EMAIL

Email communications between high and low security networks are essential for daily operations for many organizations, but conventional SMTP client-server communication for email delivery uses high-risk, software-mediated, bi-directional communications, introducing network-attack and data exfiltration risks to the high security network.



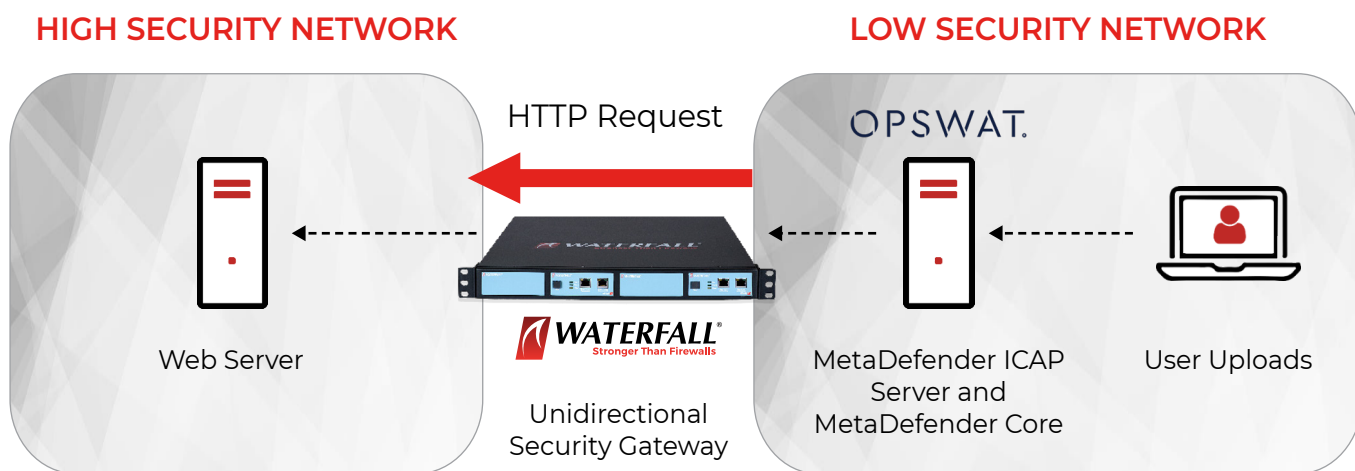
Waterfall Unidirectional Gateways with their Waterfall for SMTP connector, combined with the OPSWAT MetaDefender Email Gateway Security solution, enable high security networks to receive email from less secure networks and from the Internet, without risk of data leakage or malware infiltration, thus maintaining confidentiality and protecting classified information. The Waterfall for SMTP connector provides safe, unidirectional email delivery of sanitized emails between from low to high security networks, while providing complete control over email sources and destinations. Waterfall Unidirectional Gateway hardware prevents any data exfiltration or leakage from the high security network to the low security network.

A second (optional) Unidirectional Gateway and SMTP connector can enable outbound email from the high-security network back into the low-security network. In this case, the OPSWAT email solution again scans all outgoing email.

Deployment of the SMTP connector is straightforward – after installation email users continue to operate normally and require no configuration changes, thus enabling safe, convenient, real-time email delivery between networks with different security levels.

SECURE UPLOADS

Waterfall Unidirectional Gateways and OPSWAT MetaDefender solutions together enable safe uploads, without allowing malicious attacks to reach the high security server, and without permitting any information leakage from the high security network back into lower security networks. Files and media are scanned for malware and vulnerabilities. Waterfall's HTTP Request connector then enables the safe, unidirectional transfer of uploaded information into the high-security network.



ABOUT WATERFALL SECURITY SOLUTIONS

Waterfall Security Solutions is the OT security company, producing a family of Unidirectional Gateway technologies and products that enable safe IT/OT integration, enterprise-wide visibility into operations, and disciplined control. The company's growing list of customers includes national infrastructures, power plants, nuclear plants, off-shore and on-shore oil and gas facilities, manufacturing plants, power, gas and water utilities, 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. For more information, visit www.waterfall-security.com.