

Rebuild Gateway

Delivering unparalleled CDR performance at scale, Rebuild Gateway is a hardware security solution that provides secure file import and export to the stringent standards required by government intelligence agencies.

The Rebuild Gateway is a cyber security appliance that includes two data diodes and the necessary processing hardware to provide highly controlled unidirectional or bidirectional data flows. It simplifies deployment of low-capacity boundary devices.



The Problem

Both government and commercial organisations need to import and export information to and from secure of networks but how can they be assured that risk from this data is minimized?

The Solution

The Rebuild Gateway featuring Glasswall's patented d-FIRST technology offers the most comprehensive and cost-effective means to safely import and export information. It enforces the UK National Cyber Security Agency's Safe Data Import and Safe Data Export patterns where Glasswall's engine enhances transformation and verification on files.

The Rebuild Gateway platform can be used on a desk or mounted in 1U of a 19" rack.

The Rebuild File Gateway offers:

- Low CapEx and OpEx
- Simple maintenance
- Plug and play solution

Single 1U appliance incorporating:

- Import Diode
- Export Diode
- Small form factor "shim" PCs

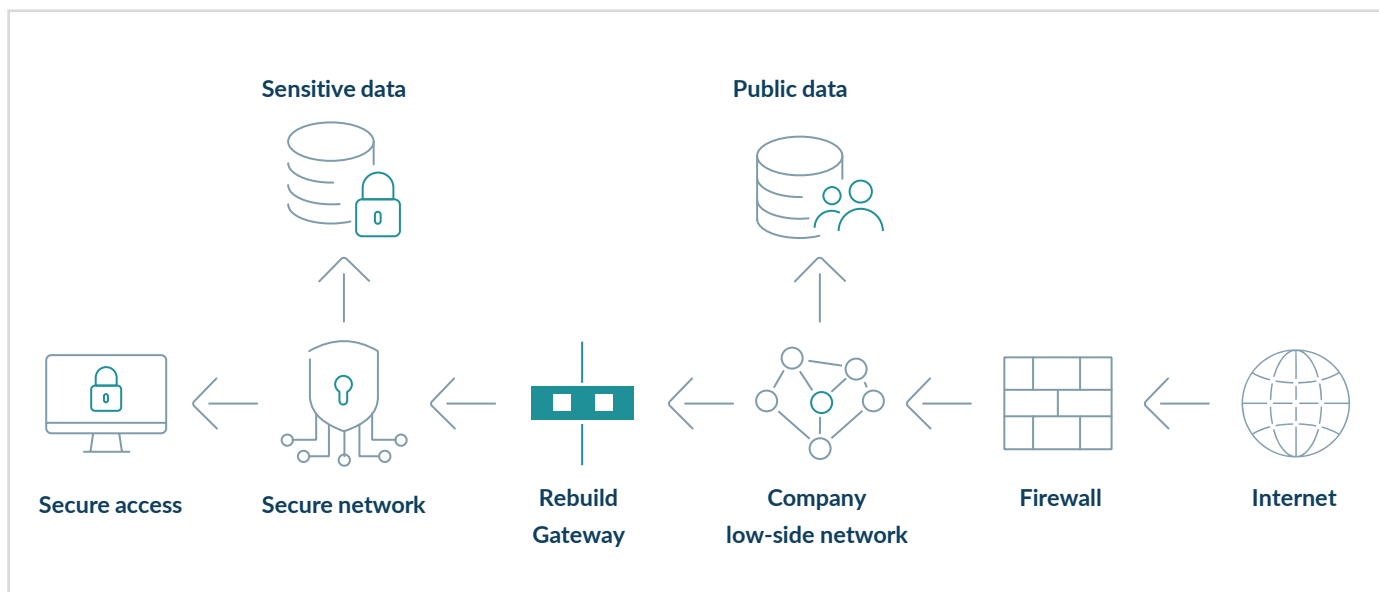
Shim PCs run software to perform:

- Format/protocol conversion
- File schema checking
- Format/protocol reversion



How Does it Work?

The Rebuild Gateway incorporates Glasswall's Rebuild SDK into the shim PCs on both the high and low sides and documents crossing the boundary are deconstructed into text(SISL) and bitmap image representations for content checking then regenerated to the safe standard of 'known good' on the trusted side of the gateway, with the additional ability to search, redact and replace text where required and embed hidden tags into files.



Cost Breakdown

Year 1	Year 2	Year 3
£29,890.00	£9,980.00	£9,980.00
12 months of Rebuild SDK Support and maintenance	12 months of Rebuild SDK Support and maintenance	12 months of Rebuild SDK Support and maintenance

Diode throughput	Up to 1 Gbit/s
Secure internet browsing & shared desktop access	Via Safe Browse software (included)
Secure file transfer (including large files)	Via Safe Data software (included)
Security Enforcing Functions	<ul style="list-style-type: none">▪ Protocol conversion▪ Reliable file transfer▪ File re-wrapping▪ File routing
Operating temperature range	0-30 °C
Dimensions	350 x 210 x 44 mm
Weight	2500 g
Power	100-240 VAC 50 W
Warranty	1-year hardware warranty



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