

#becrypt

Enhancing the security and assurance of cross domain file transfers.



Built with UK Government

Designed for government and critical national infrastructure organisations, Becrypt APP-XD CDR development was government funded, and developed in close collaboration with UK Government Security Architects following High Assurance principles.



For more information contact:

info@becrypt.com

Glasswall CDR

Glasswall Content Disarm and Reconstruction

CDR is a method of sanitising files and ensuring the files are in a known safe state before the file reaches an organisation's environment. The integration of this process as part of a Cross-Domain Solution such as **Becrypt APP-XD** allows the organisation to use this data with full confidence.

File sharing is a critical function and takes place in all areas of a business between co-workers, customers, partners, suppliers and systems. Attackers are carefully engineering new methods to exploit organisations by embedding malicious code within files, often masquerading them and building multiple suspicious objects into files that are already very complex, for example a Microsoft Word file which may legitimately contain various scripts and macros. Existing solutions to this problem are failing to keep pace with the attackers and can produce large operational overheads making collaboration extremely onerous.

Glasswall CDR takes a zero-trust approach to file transfers. All files that are sent across the Becrypt APP-XD High Assurance Gateway are treated as untrusted and are broken down into its constituent components, syntactically validated, rebuilt to a known good state, cleaned by removing high-risk file structures (tolerance is managed by policy) and finally semantically checked for integrity before being delivered.

Key features

- Syntactic and semantic verification of simple file formats.
- Transform complex data types to XML for syntactic verification.
- Prevent the running of active code (such as Macros) on the destination system.
- Secure document, image and media file transfer.
- Managed binary and CI/CD pipeline transfer.
- Image conversion to alternative formats such as bitmap.
- Data loss prevention via methods such as word search and redaction.

A Becrypt APP-XD application