



CLEARSWIFT™

Managing and securing
electronic communications

CS DeepSecure™

A trusted, evaluated security solution suitable for the most stringent environments

As organizations move to a paperless office, the need for email is forever increasing. This increase is causing sleepless nights for IT staff around the world, especially in organizations where security and message integrity is paramount (e.g. defense, pharmaceuticals, government offices etc).

How can these organizations allow highly sensitive information to be transmitted securely via electronic communications and maintain network integrity at the same time? They need a solution that will enable secure and encrypted messages, as well as standard emails, to be audited at the gateway, whilst preventing eaves-dropping attacks. They need Clearswift DeepSecure™.

CS DeepSecure™ is a truly unique solution, born from the fusion of best of breed hardware and software products from the world's number one email content security provider. A new addition to the Clearswift family of solutions, CS DeepSecure™ combines the assured network separation of CS Bastion II™ together with the advanced content security and management features of ENTERPRISEsuite™.

More than just messaging security

CS DeepSecure™ is a boundary protection solution that not only supports S/MIME signature and encryption, but also includes access to a directory (X.500 or LDAP) to obtain Certificates and Certificate Revocation Lists - these allow a Certification Authority to cancel a Certificate if it (or its user) is no longer to be trusted.

CS DeepSecure™ utilizes Trusted Solaris Compartmented Mode Workstation labeling (CMW - an operating system trusted to keep data of different security levels and categories in separate compartments) and CS Bastion II™ to provide a Common Criteria EAL4 assured environment in which encrypted messages can be inspected safely. This trusted environment is used to prevent eaves-dropping attacks while messages are temporarily decrypted for content checking. In addition to CS Bastion II™'s EAL4 evaluation for network separation, CS DeepSecure™'s Policy Server is separately evaluated also to Common Criteria EAL4 for application and enforcement of its policy.

CS DeepSecure™ features an impressive array of content security capabilities. As well as providing virus scanning, it also enables file type fingerprinting and word search on messages that may be signed or encrypted. CS DeepSecure™ boasts a powerful management interface that allows organizations to enforce e-policies defined hierarchically through a highly intuitive GUI.

CS DeepSecure™ provides assured network separation. Messages are stored, and then forwarded through an intermediary rather than through a data stream. This prevents messaging protocols being subverted and being used for external network attacks or unauthorized transfer of confidential data. CS DeepSecure™ maintains separate channels for message flow between networks, thus allowing different security policies to be applied in each direction.

Problems Solved By CS DeepSecure™

- Connects networks that were previously considered to be un-connectable
- Connects networks of differing security classifications, i.e.
 - Secret to restricted
 - Restricted to unclassified
- Implements two discrete security policies: one for incoming traffic and one for outgoing traffic
- Protects against all kinds of threats
- Performs checks on signed and encrypted messages at the gateway

Why choose Clearswift?

Clearswift is the world's number one provider of software for managing and securing electronic communications. With a growing user-base of more than 12,000 customers, 11 million users around the world depend on Clearswift for protection and peace-of-mind.

Why choose CS DeepSecure™?

- Built on proven, best of breed technology and in use today in the most stringent of military environments
- Features unparalleled boundary protection that supports S/MIME signature and encryption
- Provides end-to-end email content security and includes advanced firewall architecture
- Uses all the unique functionality of Clearswift Bastion II™ and ENTERPRISEsuite™
- Common Criteria EAL4 Evaluation
- Created specifically for the Australian Defence, and suitable for Government, Defense and Commercial environments
- Designed for maximum reliability, availability and manageability

CLEARSWIFT™

