



CLEARSWIFT™

Managing and securing
electronic communications

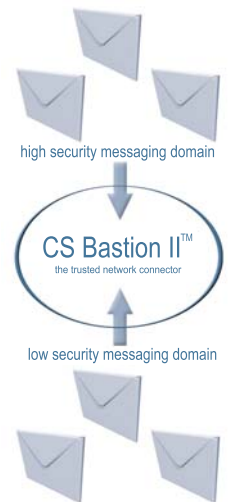
CS Bastion II™

Connecting the Unconnectable

Trust CS Bastion II™ to take your high security network from isolation to communication while maintaining total protection.

CS Bastion II™ is a unique high security messaging firewall preferred in environments handling very sensitive information and requiring total protection from the rest of the organization. CS Bastion II™ allows the controlled and accountable flow of messaging traffic between networks of differing security levels or policies, in environments that would otherwise preclude the direct connection of such networks.

CS Bastion II™ comprises of software and hardware and operates as a stand-alone system. It provides a two-way firewall for X.400 or SMTP/MIME messaging traffic or for X.525 Directory synchronization traffic between sensitive private networks or between public and private networks, maintaining an assured separation between the networks it connects. CS Bastion II™ prevents any other form of communication between these networks.



Certified Assured Protection

CS Bastion II™ is aimed at markets that require Common Criteria EAL4 level of security assurance. The solution is based upon specifically created evaluated software, combined with a portfolio of Clearswift ENTERPRISEsuite™ messaging products operating within the Trusted Solaris operating system. Trusted Solaris is itself approved to CC EAL4 common criteria (CAPP, LSPP and RBACPP). Unlike many other firewall products, CS Bastion II™ does not just rely upon the assurance of its underlying operating system, but actually contains key functions implemented as trusted code, also assured to CC EAL4. The solution was developed in association with QinetiQ, formerly the UK Defence Evaluation and Research Agency (DERA).

The Solution in Action

CS Bastion II™ acts as a trusted intermediary for all messaging traffic between internal and external networks or networks that do not share a common level of trust. The internal structure of CS Bastion II™ comprises a sequence of completely isolated compartments. The evaluated code ensures that a message passes through a fixed sequence of compartments. No other forms of communication are permitted by the CS Bastion II™ to flow between the networks, thus providing the required assured network separation.

A network or packet firewall allows an end-to-end data stream, whereas CS Bastion II™ will act as a trusted 'store and forward' messaging intermediary. CS Bastion II™ can thus prevent messaging protocols from being subverted and used for external network attacks or transfer of confidential data.

CS Bastion II™ maintains separate channels for message flow between networks, allowing different policies to be applied in each direction. If required, all message traffic can be blocked in one direction. An audit trail of all message traffic is maintained.

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 Bastion II™?

- Certified CC EAL4 security solution
- Overcomes network isolation
- Meets stringent security policy requirements
- Allows messaging between networks of differing sensitivity
- Flexible architecture allowing plug-in filter modules
- Supports X.400 or SMTP/MIME messaging protocols
- Turnkey package simplicity
- Supports X.525 DISP for synchronisation of Directory servers
- Allows isolated networks to be connected to DMZ compartments

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