DEFENCE AND SPACE

Secure Exchange Gateway (SEG)

The Secure Exchange Gateway (SEG) secures data exchange in military information networks

Military information networks are becoming increasingly complex and underlying IT infrastructures are more and more interconnected.

This requires measures to **secure the flow of information** between information networks with different protection needs.

For this purpose, **Airbus Defence and Space Cyber has developed the Secure Exchange Gateway with high-security criteria** in accordance with the security guideline of the German authorities (VSA) which has been developed with the aim of making it easier and simpler to use.

Performance features:

- General admission until classification «GEHEIM» (equivalent to national SECRET) by the Federal Office for Information Security (BSI)
- It has modular and open architecture for easy implementation of project-specific filters and processes according to the individual security guidelines (policies)

Your advantages

- Individually adaptable to your requirements
- BSI approval until level SECRET
- Mobile version available for use even under extreme climatic conditions
- Secure, monitored and transparent exchange of information

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Secure Exchange Gateway - Secure information exchange

When connecting IT Networks with different protection needs and exchanging information across different security domains, secure network transitions, policy enforcement and traceability at the level of the communication or application service have to be secured.

In addition to a secure network transition, Airbus Defence and Space Cyber's SEG offers corresponding security mechanisms for communication and application services.

The Secure Exchange Gateway makes context-sensitive or certificate-based decisions about the permissibility of communication based on defined guidelines in a trustworthy, traceable manner and protected against open and covert manipulation. A highly secure exchange of information is thus possible and unwanted data transfer is prevented.

ARCHITECTURE

The modular architecture of the SEG enables versatile applications. It consists of a security platform and application-specific filters. The filters implement the security policies to protect their information and can be flexibly adapted to your security requirements.

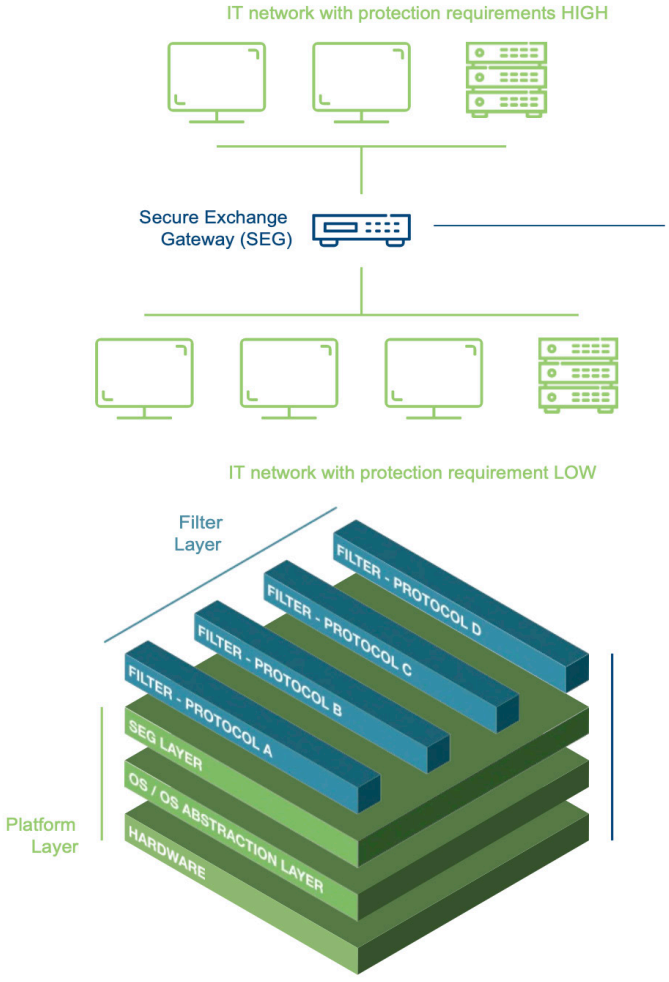
PLATFORM

The SEG platform offers transversal security functionalities required in the various operational scenarios.
The platform ensures secure operations and data flow control, and also provides logging and auditing functions.

FILTER

The SEG has standard filters for file transfer, e-mail (SMTP), browsing (http/https) and for the information exchange (XML) between applications. In addition, further filter chains are available for protocols from the field and are already in use in operational scenarios today. Filters for further application purposes or protocols can be developed and effectively approved.

In order to also meet high security requirements, individual filters are strictly encapsulated from each other and can be combined into filter chains. To increase performance, filter chains can be scaled and parallelised.



The Secure Exchange Gateway provides a bi-directional and highly secure data exchange between networks with different protection needs and prevents the unintentional loss of sensitive information.

AIRBUS

FRANCE
Metapole 1, boulevard Jean Moulin
CS 40001 / 78996 Elancourt Cedex
France

GERMANY
Willy-Messerschmitt-Str. 1
82024 Taufkirchen
Germany

UNITED KINGDOM
Quadrant House / Celtic Springs
Coedkernew / South Wales
NP10 8FZ / United Kingdom

SPAIN
Paseo de John Lennon, 2
28906 Getafe
Madrid Spain

contact.cybersecurity@airbus.com
www.cyber.airbus.com