



SecuriCDS® ZoneGuard Platform

Empowering and enabling precise information exchange

SecuriCDS ZoneGuard Platform offers future-proof secure two-way information exchange that safe-guards your assets at all times. With full integration of the ZoneGuard technology, the ZoneGuard Platform enforces your information policy automatically on all information sent between systems or security domains, acting as a data loss prevention and an intrusion prevention solution.

Secure information exchange

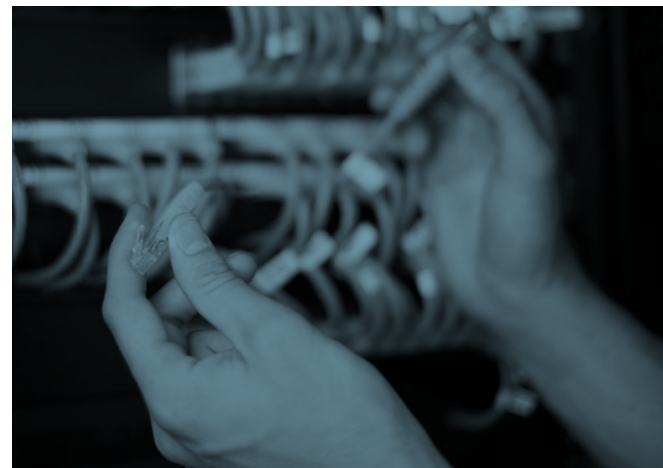
ZoneGuard Platform offers a custom-fit yet simple information policy based solution empowering organisations who need to enable secure, precise information exchange between varying security domains. Typical use cases include:

- Segmentation of networks to mitigate attack vectors.
- Integration between systems or domains with different security classifications.
- Securing information exchange in a digitalisation context.
- Safe-guarding systems from e.g. protocol or implementation flaws and giving system owners explicit control of the information exchange.
- Protecting critical information flows as part of an Information Exchange Guard (IEG) solution.

Full application support & protocol flexibility

The ZoneGuard Platform includes free usage of Generic Proxy Services including applications like file transfer, email transfer, SOAP and REST architecture. Custom applications are supported through Advenica Professional Services, our partner network or through using ZoneGuard Software Development Kit (SDK).

An enhanced script language (Python syntax) with JSON and XML traversing capabilities is used for filtering of the information nodes. File finger printing and validation down to byte level are also supported. Each information part can be checked both independently and in relationship to one another.



ZoneGuard technology

ZoneGuard Platform uses ZoneGuard technology to achieve secure information exchange between two separate systems. It reduces potential attack vectors by a validation of the information which ensures that content and structure is in accordance with a defined information policy.

Validation of information

The information within the network data is always controlled using full message inspection. With ZoneGuard there is no risk that partial network data and information bypasses validation.

Unique information policy enforcement

ZoneGuard safeguards which information that will be passed on to the receiving network. The policy controlling the vital validation of information is defined by the organisation and based on their specific needs and internal or external regulations.

Advantages for IT teams

- Tool for secure integration of systems, cross domain, e.g. system boundary protection, public/private cloud and OT/IT
- Enables digitalisation without compromising security
- Fulfilment of internal and regulatory requirements
- Eliminates “what if”
- Role based system with separation of duties
- Enables NTP import for sensitive network

Advantages for IT Security teams

- Take full control of information passing between systems and/or security domains
- Enforces organisational IT Policy on system integration
- Enables white-listing down to the information level
- Sets focus on the information handling not the transport protocol used
- Separation of duties including enforcing of information policy through approval process
- Full audit trail capabilities
- Protocol gap and full message inspection to reduce attack surface
- Content Disarm & Reconstruction (CDR) capabilities through transformation of information

SDK

To support custom made applications a Software Development Kit (SDK) is available. The SDK enables organisations to take control of the applications and use their own preferred development team while still benefiting from the comprehensive security which the ZoneGuard Platform provides.

Network time distribution

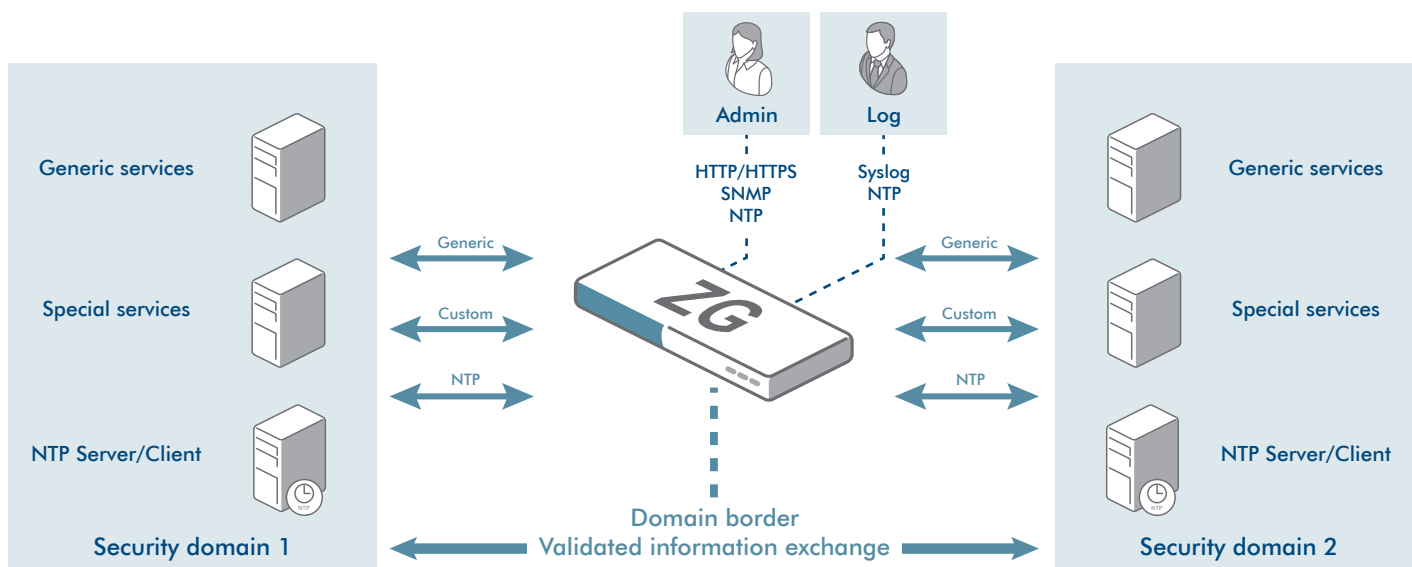
The ZoneGuard Platform supports NTP import and export. With the function, the network time can be safely distributed between systems and domains.

Administration and Log

The main configuration of the ZoneGuard Platform is handled in a stand-alone application. The exported configuration package is uploaded to the device web interface on the ADMIN port. Selectable configuration parameters can be made available for change through the web interface. For active device monitoring, Syslog and SNMP is supported.



The ZoneGuard Platform dashboard provides real-time and historical information of the information flow.



SecuriCDS ZoneGuard Platform overview.