

Technology

for IT Security
and Data Protection



Secure
Identities



Secure
Communication



Secure
Preservation

Middleware and client application

Intelligent industry focus → procilon industry solutions simplify legal and self-imposed guidelines (IT compliance). Key areas can be found in a wide range of secure communication scenarios within the public sector, in the encrypted market communication of the energy industry and in electronic legal communication.

Cloud solutions

Universally applicable security elements → procilon offers a variety of self-developed cryptographic software components. To use these special technology elements accessible to a wide range of users, procilon has developed an architecture which converts these elements into directly applicable, efficient, and scalable services and implemented these on a cloud platform. Thus, security elements such as qualified electronic remote signatures, seals, and time stamps as well as strong encryption, are easy to use for users and software developers. Media disruptions are eliminated, and legally compliant digital processes are made possible.

Solutions for trust services and cloud application

Technology solutions for eIDAS-compliant trust services → Trust service providers benefit not only from the modular software technologies but also from many years of project experience. In addition to software, procilon offers individual consulting and tailor-made conception models. From the creation of full turnkey solutions through customer-specific Add-Ons to safe and reliable infrastructure components, procilon is a partner of the trust service providers.

Certifications

Procilon software technologies are certified according to Common Criteria EAL 4+ AVA VAN.5. proNEXT products meet the requirements of the EU eIDAS regulation.

Cryptography Security Middleware and Client Application

Central system → for the application of encryption and signature; acts as modular expandable high-tech data hub

Freely configurable set of rules → for the handling of electronic data, technical classification and distribution of messages and data records (in-house routing)

Process simplification → through central key management, system independence and standardised interfaces

proDESK Smart → Client solution for generation and verification of electronic signatures, especially for qualified signatures with smart cards



Flexible Integration → n existing environments: Industry specialist applications, document management systems, storage solutions

Multi-channel principle → confidential digital delivery by e-mail and other standard protocols (S/MIME, PGP, AS2, AS4, XTA, OSCI, EGVP, De-Mail)

Rule-based transfer → incoming and/or outgoing Messages to DMS or archive systems (optional extension for long-term archiving)



Integrated feature → for certificate- and key management

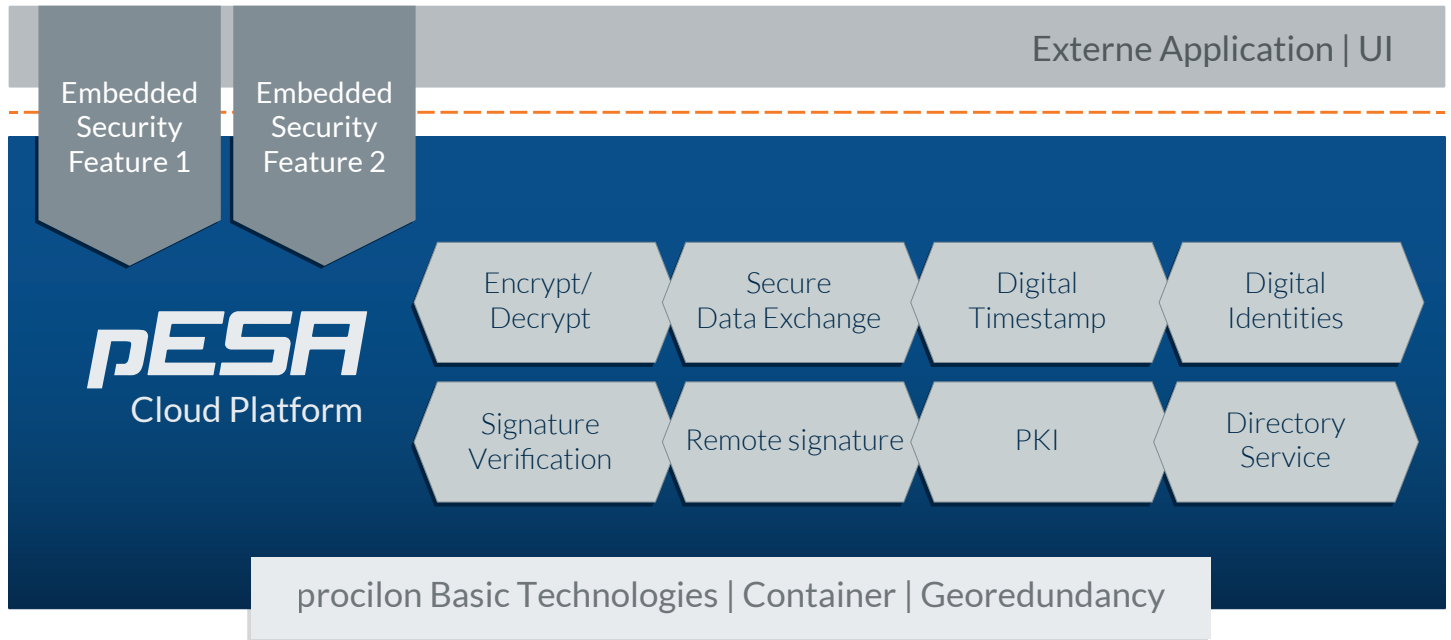
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Universal Security-Cloud-Services



Solutions for trust services and cloud application

Certified QSCD solution → for generation of remote signatures in interaction with Utimaco HSM CP5 or for local generation of signatures

Information on validity → of electronic certificates and seals; verification of signatures

Identity confirmation, registration and authorisation management → of users in the interaction with eID-Services or eIDAS compliant identity services

procilon web application for direct use of pESA Cloud services with free strong file encryption (basic package)



Issuing of electronic certificates for signatures and seals → Supply of a complete Public Key Infrastructure

Securing evidential value → of signatures through certified complete solution

Personalisation → of hardware security modules, Smartcards or SoftToken, generation of time stamps and strong encryption of transport and user data



Basic package can be upgraded individually by bookable security services

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