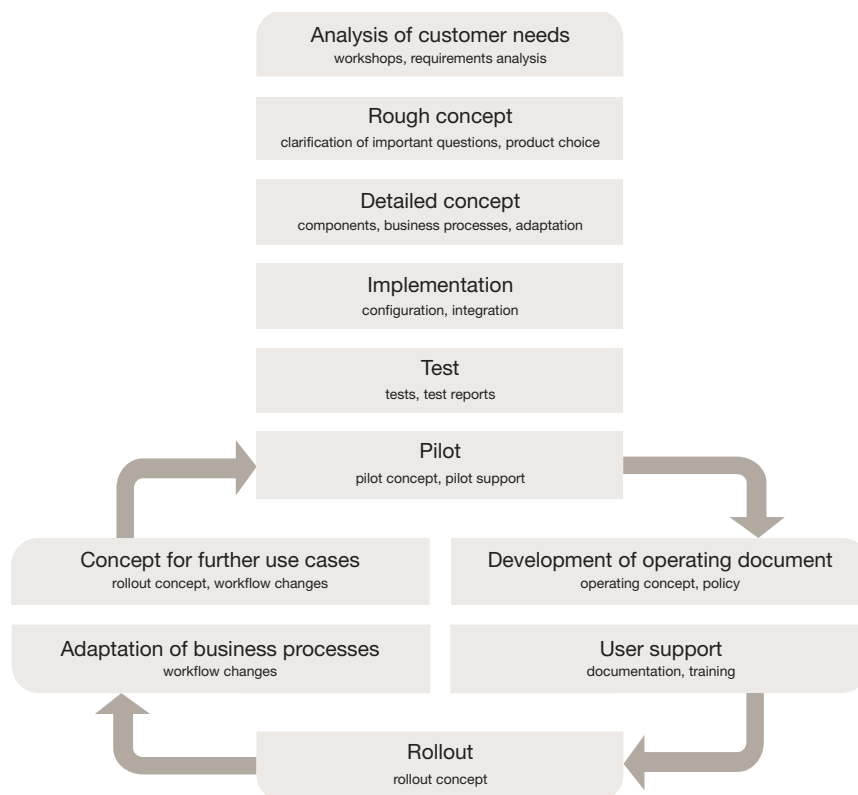


secunet

Public Key Infrastructures

Basis for greatest possible security



Cycle of a PKI project

Electronic communication has no personal handwriting. Consequently, adequate security measures are necessary in order to ensure data authenticity, confidentiality and integrity. Asymmetric keys and certificates are the best solution for managing trust relationships in an efficient and scalable way. A public key infrastructure serves as the technological basis.

PKI application areas

A PKI can be used wherever the authenticity of the sender and data content needs to be ensured. Application areas include the following: electronic billing, electronic archiving, e-mail security, remote access, client/server security, virtual private networks, file/directory/hard drive encryption and electronic signatures in manual workflow processes as well as automated systems for "mass signatures".

Your advantages:

- Tailored to suit your requirements
- Turn-key: secunet is your partner from the concept phase to the rollout
- Cost-efficient with secunet's proven process model

Tailored solutions for your individual requirements

As a rule, PKI solutions are divided into three different requirements classes which correspond to various quality levels. secunet has been active in this area since 1997 and has successfully completed numerous projects in each of these requirements classes:

- Standard requirements
A "simple electronic signature" consists of electronic usage data which is logically linked with additional data for the purpose of unique authentication. With these solutions, simple requirements can be met quickly and cost-efficiently.
- Complex requirements
An "advanced electronic signature" is exclusively assigned to the signer and permits unique identification of the signer. If sophisticated industry-specific rules are to be adhered to or mobile devices are to be integrated, this can be carried out flexibly by modifying proven technology to suit your individual requirements.
- Legislation-compliant solutions
The term "qualified signature" has become established for advanced electronic signatures which are based on a qualified certificate and aims for a higher security standard. If qualified certificates or qualified timestamps are to be issued, tested and proven solution modules are integrated to form a secure complete system. Upon request, they can be accredited as per §15 SigG (the German Signature Act).

Which PKI is the right one for your enterprise?

Your individual requirements and the particular application determine what your PKI looks like. There is a wide range of possible solutions which extends from a software-based encryption client with manual settings for trust relationships and different versions for internal public key infrastructures all the way to usage or the setup of your own certification service compliant with the pertinent legislation.

Profit from our experience

Our extensive competence and know-how are the result of more than 200 successful PKI projects for large corporations, mid-sized customers and public authorities. We played a key role in the design and support of all accredited certification services as per § 15 of the German Signature Act. These include Deutsche Post SignTrust, Deutsche Telekom T-Telesec, TC-Trust and D-Trust.

Selected references

secunet supported the "Deutsche Rentenversicherung Bund" (association for German pension insurance) in Berlin in setting up a trust centre which is compliant with the German Signature Act for the issue of staff chip cards. It was successfully launched in 2005.

"secunet responded to our wishes quickly and unbureaucratically and thus fully met our expectations. Novartis greatly appreciates this kind of service mentality," stated Urs Bärlocher, Head of Legal and General Affairs at Novartis.



secunet Security Networks AG

IT security and its trend-setting usage is the core competence of secunet Security Networks AG. The development and implementation of IT security solutions for sensitive data turn secunet into a specialist in great demand. Excellent technological understanding is reflected in our consulting services and modulated products. Progressive digitalization of processes and communication channels of all kind pose new challenges for secunet day-to-day. Due to our large know-how we set standards in the IT security market. Our extensive clientele comprises national and international companies and affiliated groups as well as the public sector. About 230 highly qualified and experienced employees at seven branch offices in Germany as well as at further offices in subsidiaries in Switzerland and the Czech Republic are engaged in the creation of innovations, the optimal settlement of projects and our twenty-four-seven support.

Editor:

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secunet Security Networks AG
Kronprinzenstraße 30,
45128 Essen, Germany
Phone: +49 - 201 - 54 54 - 0
Fax: +49 - 201 - 54 54 - 123
E-mail: info@secunet.com
www.secunet.com