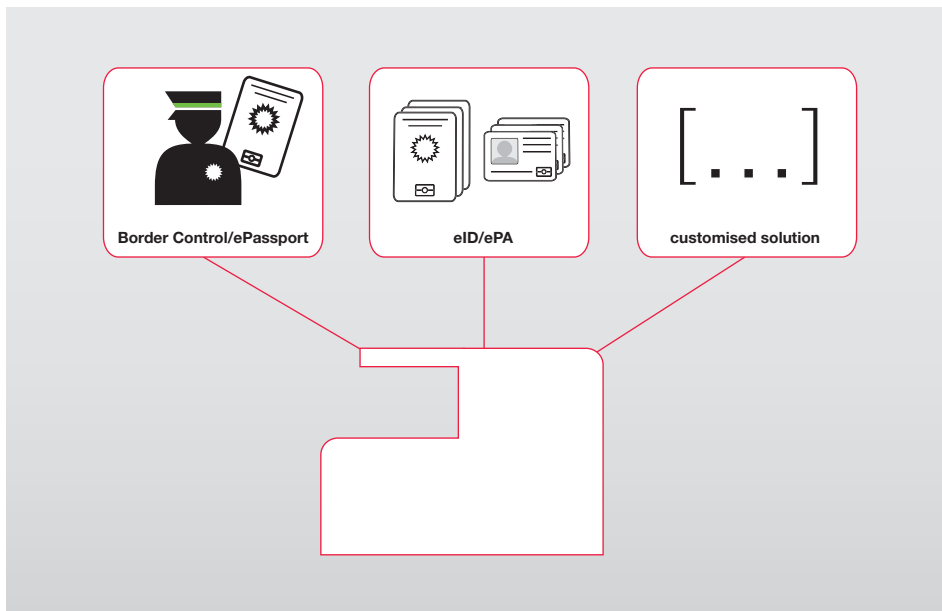


secunet (GRT platinum edition)

The Acknowledged Standard Solution for the Readout of Electronic Identity Documents



Benefits:

- » The software has been tested internationally and is acknowledged as a reference implementation
- » Flexible in terms of functionality, design and use case
- » Commercialised, with all advantages of a licensed product

More than 50 states have added biometric features to their passports. Furthermore, the same number of states is currently preparing the issuance of electronic passports. Every single one of these electronic identity documents should be readable securely worldwide. To achieve this, standardised applicable solutions meeting high security-requirements are needed. The same is true for other documents such as national identity-documents, electronic residence permits for specific purposes, and visa. **With the new Golden Reader Tool Platinum Edition, secunet now for the first time offers a commercialized development of the established standard-software, the Golden Reader Tool, for the readout of electronic documents.**

Multifunctional technology for interoperable documents

On behalf of the Federal Office for Information Security (BSI), secunet started to develop the Golden Reader Tool (GRT) in 2005. With this software-application, the readout of ICAO-compliant eMRTDs, such as electronic passports, for example, was made possible for the first time. This meant an essential step towards establishing the prerequisites for worldwide interoperability in the field of eMRTDs based on the requirements of the ICAO and the EU. Within the scope of numerous interoperability-tests, most recently in Prague in 2008, the GRT was successfully applied. Ever since then, the software has been internationally acknowledged as the functional reference implementation in the field of electronic passports.

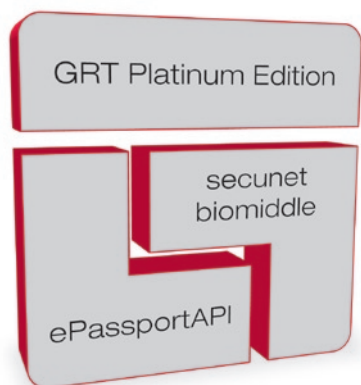
GRT Platinum Edition does not only support all versions of Extended Access Control (EAC), but also meets the coming generations of security-requirements without any restriction to the kind or type of electronic identity documents.

You know or even already use the advantages secunet's ePassportAPI brings with it?

The GRT Platinum Edition provides you with a high-performance application enabling you as a manufacturer of hardware or software, or a public authority to apply the security-mechanisms in the context of electronic identity documents. With GRT, you can customise the visual display of the data to be read out to your individual needs.

For the first time, GRT Platinum Edition, based on the established middle-ware secunet biomiddle, also supports biometric application scenarios via clearly defined interfaces of the integrated BioAPI standard. Thus, support of various biometric sensors as well as of comparative algorithms is made possible.

In addition to the extensive new functions, GRT Platinum Edition also features a completely revised and innovative design, based on SnapIns*, which is easily and quickly adaptable to the specific requirements of the user.



Functionalities

Feature	GRT Platinum Edition	GRT 2.x
Application		
Commercially available	■	-
Different language versions	■	-
Border control application (optional)	■	-
Functionality		
Security mechanisms of ICAO (BAC, PA, AA)	■	■
EAC 1.11 support	■	■
EAC 2.01 support including PACE, CA, TA and eID application	■	-
Integration of the current ePassportAPI	■	■
Integration into BioMiddle framework / BioAPI 2.0	■	-
Display of datagroups via free to choose configurable editors (text-, hex- or ASN.1-editor)	■	-
Unicode-compatible text and file support	■	-
Individually adaptable user interface		
Application SnapIns	■	-
Layout variable in size according to runtime (e. g. adaptation to touchscreen-handling)	■	-
Integration of company-specific logos	■	-

■ available - not available

* SnapIns – Modular display or grouping of use cases

Product types

secunet offers different, needs-oriented license-packages to companies and authorities. GRT Platinum Edition is available in its 3.0-version.

Our product range contains several versions of the GRT Platinum Edition for the different use cases. In addition to a basic version, GRT Platinum Edition can also be extended for biometric applications. A USB-stick with an integrated smartcard offering the possibility to securely store cryptographic keys of EAC for mobile use completes the product range.

The advantages of GRT Platinum Edition

- Commercially available
- Safe and profitable investment, flexible due to its standard-oriented approach
- Internationally tested and acknowledged as a reference implementation
- Continuous adjustment to current requirements
- Adaptable in terms of functionality, design and use cases
- Fast and lean implementation with minimum effort

International framework requirements

In order to speed up identity-checks of travellers and particularly to make these identity-checks considerably more secure, many states have introduced electronic passports. A digital photo and two fingerprints of the owner are electronically stored on a chip. These data are carefully protected by high security-mechanisms and strict encoding-algorithms, and can be machine-read.

To ensure international interoperability, the International Civil Aviation Organization (ICAO) has developed standards for machine readable travel documents: it has issued comprehensive recommendations regarding, for example, the extension of travel-documents by biometric features or the protection of biometric data by certain security mechanisms. For EU-countries, the requirements regarding biometric data and the respective security features for passports are regulated in the EU act No. 2252/2004. These EU requirements considerably exceed the minimum requirements of the ICAO.

The Federal Office for Information Security (BSI) has taken a leading role within the international standardisation committees at an early stage. Numerous developments are based on the know-how of the BSI, the Golden Reader Tool being one of them. These solutions today are acknowledged as references worldwide.

More information:
www.secunet.com/GRTplatinum

secunet

secunet Security Networks AG
 Kronprinzenstraße 30
 45128 Essen, Germany

Phone: +49-201-5454-0
 Fax: +49-201-5454-1000
 E-mail: info@secunet.com
www.secunet.com