

Smartcard Middleware

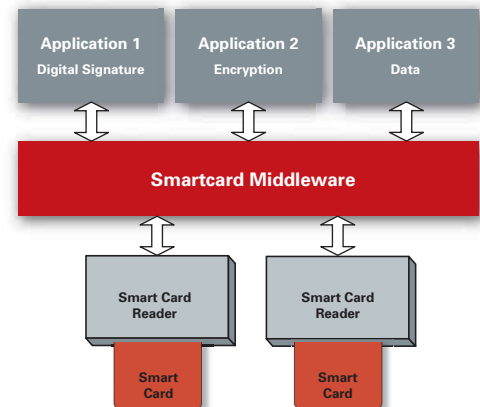
The Smartcard Middleware is a technology platform, which allows various applications to access smart cards simultaneously through standardized interfaces. It supports a wide range of smart card readers and offers the ability of distributed applications.

The Smartcard Middleware is based on a sophisticated abstraction layer concept, which is designed for usage within heterogeneous card and system environments.

Easy definition of data structures and security mechanisms for the applications on the smart cards ensure highest flexibility. These definitions are interpreted by the Smartcard Middleware dynamically.

Features

- Multi-reader support
Support of various readers (PIN-pad, multi-slot, display, LAN) with different interfaces (PS/SC 1.0 + 2.0, CT-API or proprietary) and advanced extensions by modularised design
- Performance
Support for simultaneous access to different cards optimized for server applications. Shortest possible card access times due to two level caching mechanisms (data and object based)



- Future-proof design by usage of ASN.1 for data structures and interfaces (forward and backward compatibility)
- Smartcard Middleware is using secure communication channels to host applications and also to the smart cards
- All major cryptographic algorithms supported
- Interfaces
The Smartcard Middleware offers the following interfaces:
 - PKCS#11
 - Smartcard Minidriver for MS[®] Base CSP (Q1 2008)
 - Advanced interface for additional functionality
- Compliant to standards ISO 7816-4, -8, -15
- A detailed logging mechanism traces errors and their occurrences in all calling modules. Error logs record further relevant data for thorough analysis.

Information and Contact

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