



SCalibur

Distributable smart card/token middleware SDK

SCalibur is a Java SKD, enabling developers to easily integrate smart cards / tokens into eID applications. Focuses on distributed use cases, where access credentials are not available next to the token. It contains example applications, which allow rapid deployment and easy show case setups.

<p>Functions and Features</p>	<p>Software Development Kit (SDK) to realize typical eID use cases like</p> <ul style="list-style-type: none"> • Personal data readout and change • PIN Management • Fingerprint (with MoC) Management • Activation / enrollment • ICAO data readout <p>EACV2 / TR3110 Security Mechanism</p> <ul style="list-style-type: none"> • Secure Messaging • PACE • Terminal Authentication • Passive Authentication • Chip Authentication <p>Support of the ePasslet Suite (Card Applications)</p> <ul style="list-style-type: none"> • ePKI App: PIN and fingerprint management functions • eID App: eIDRead and eIDWrite <p>Example Applications helping developers to build their own SCalibur based applications</p> <ul style="list-style-type: none"> • StandaloneTerminal to exemplify the non-distributed use cases • Minimal Use Case Samples for rapid prototyping <p>Open and from customers expandable APIs</p> <ul style="list-style-type: none"> • Low Level Interface for a high control • High Level Interface for easy and safe implementations
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Scope of Supply	<p>JAVA® based SDK that allows to develop platform independent eID applications, which contains the following modules:</p> <ul style="list-style-type: none"> • Low Level Interface, which is closer to the hardware and card profile • High Level Interface, which is more convenient and less risky to use • Substantial Standalone Terminal sample to exemplify the offline use cases and to show eID applications with comfortable graphical user interfaces • Use Case Samples helping developers to build their own SCalibur based applications • Detailed documentation including Javadoc • Biometry Support
Supported Standards	<ul style="list-style-type: none"> • TR-03110, V2 (EACv2) • ICAO Doc9303 • ISO 7816-4
Supported Smart Cards and Smart Card Readers	<ul style="list-style-type: none"> • Easy integration of any smart card or card profile • Support of SAM cards and HSM <p>Support of all PCSC 2.0 compliant readers (MacOS X, Unix/Linux derivates „pcsc-lite“). Tested on</p> <ul style="list-style-type: none"> • Identive SCR3310v2.0 • Identive CLOUD 2700 R and Identive CLOUD 2700 F • REINER SCT cyberJack RFID comfort
Supported Fingerprint and MRZ Scanner	<ul style="list-style-type: none"> • Futronic FS80 Fingerprint Reader • DERMALOG ZF1 Fingerprint Scanner • UPEK TouchStrip Fingerprint Sensor / UPEK TouchChip Fingerprint Coprocessor (Windows Biometric Framework: only under Windows) • AuthenTec Inc. AES2810 (Windows Biometric Framework: only under Windows) • Access IS OCR316
Supported Platforms	<p>SCalibur supports Windows, Linux and OS X. Specifically tested platforms for this release include</p> <ul style="list-style-type: none"> • Windows 7 and 8.1 (64bit) • Red Hat 6.5 (64 bit), OpenSuse 13.1 (64 bit) and Ubuntu 12.04 (64 bit) • OS X Mavericks 10.9 and Yosemite 10.10.3 or higher