Gemalto SAC Web Connector

Solution for end-user certificate-based authentication and digital signing

SAC Web Connector is a browser extension that provides connectivity between the browser and a security device that is used for online authentication and signing. The product is divided into two parts:

A component (named SConnect) provides the local PCSC layer abstraction from the browser. It is installed once into the end-user browser.

A server-based JavaScript library provides a high level PKCS#11 API to perform operations. The library is integrated into the web application. It provides an easy-to-integrate interface for web app developers who are looking to develop their own web app.

SAC Web Connector supports Windows platforms, and all major browsers, Internet Explorer, Google Chrome, Mozilla Firefox, and Apple Safari. SAC Web Connector supports SafeNet IDPrime MD smart cards and SafeNet eToken USB tokens.

Components

Software Development Kit

SAC Web Connector includes a web demo framework. The framework is developer friendly and provides a skeleton model the web application developer can use to test, and again when integrating SAC Web Connector into their system.

The SDK includes:

- The SAC Web Connector JavaScript library
- The SAC Web Connector API documentation
- The sample code that demonstrates SAC Web Connector integration and best practices of usability

JavaScript library

SAC Web Connector is the high level interface on top of SConnect that provides knowledge on the security devices, and makes it easier for customers to integrate IDPrime smart cards and SafeNet eToken USB tokens, without having to have detailed knowledge on the low level communication with the devices.

The following APIs are provided:

- PKCS#11 API for handling of smart cards and USB tokens (SConnect)

Features:

- Locking feature prevents other applications from interrupting the communication (atomic operations)
- Tracking of user processes for future customer contact. The tracking log can be retrieved from the SAC Web Connector API
- SAC Web Connector detects when an issue occurs and displays specific messages and guideline
- Messages, including errors, step-by-step guides displayed by SAC Web Connector are customizable and can be localized

Benefits:

- SAC Web Connector supports Windows operating systems
- All major browsers, Internet Explorer, Google Chrome, Mozilla Firefox, and Apple Safari, support SAC Web Connector
- With the PKCS#11 interface, the communication is based on the standard and SAC Web Connector supports wider range of Gemalto authenticators.
- Support for web application developers who need alternative solution to java applet
- No administrative right is required to install a browser extension

About Gemalto’s SafeNet Identity and Data Protection Solutions

Gemalto’s portfolio of SafeNet Identity and Data Protection solutions enables enterprises, financial institutions and Governments to protect data, digital identities, payments and transactions—from the edge to the core. Our solutions take a data-centric approach to security with innovative encryption methods, best-in-class crypto management, and strong authentication and identity management to help customers protect what matters, where it matters.

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