



RaakSign for Microsoft CLM

FEATURES AND BENEFITS

Management Utility

Full function management utility allows for password changes, password unblock, key generation and certificate loading.

Standards Based

RaakSign supports both Microsoft CryptoAPI and PKCS11 based applications. Additional standards supported include PC/SC, Java Card, and PKCS12.

Operating Systems

RaakSign supports Windows, Windows CE/PocketPC, Linux, Mac OSX, and Solaris

Hardware Platforms

RaakSign supports the Raak Technologies USB Tokens and Smart Cards, as well as a large selection of USB Tokens, Smart Cards and readers from a variety of vendors.

Application Support

Support for a wide variety of applications, including Windows Logon, VPN Authentication, WLAN Security, Web Access, E-mail encryption and digital signatures.

Certificate Registration Utility

Enables automatic registration and de-registration of client and root certificates to the client computer.

Complete Solutions

Raak Technologies provides RaakSign as part of a complete solution including USB Tokens, Smart Cards, personalization, digital certificates, deployment services, as well as training and support.

Smart Card Middleware for Microsoft Certificate Lifecycle Manager

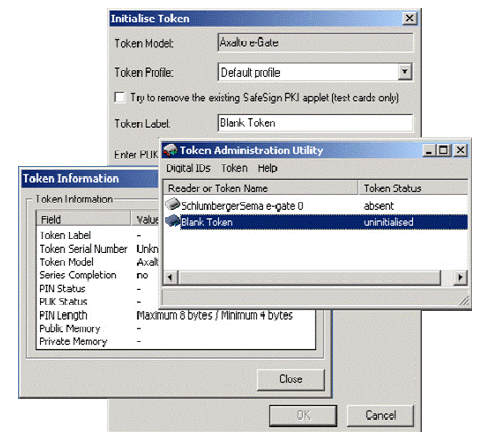
Introduction

RaakSign is a powerful and cost effective Public Key middleware solution for USB tokens and Smart Cards. With RaakSign you can securely store your digital certificates and keys on a USB Token or Smart Card for use with any standards based, Digital Certificate capable application including:

- ▶ Windows Domain Logon
- ▶ VPN Authentication
- ▶ Web Access
- ▶ WLAN Security
- ▶ Email Signing and Encryption
- ▶ Digital Signatures

Support for Microsoft CLM

RaakSign integrates the powerful AET SafeSign Smart Card provider that is fully compatible with Microsoft Certificate Lifecycle Manager. With Microsoft CLM you can deploy, manage and audit RaakSign enabled smart cards and smart card based certificates, and configure the procedures so that they adapt to the work flow best suited to your company's business processes.



Multi Factor Security

RaakSign enforces Two Factor security, requiring the end user to have both the USB Token or Smart Card (something you have) and a PIN (something you know). USB Tokens and Smart Cards are physically and logically tamper resistant, ensuring that the end-user's digital credentials are not copied, modified or shared. RaakSign can also support biometrics such as fingerprints.

Card and Token Management

The RaakSign management utility provides the program administrator with the ability to manage USB Tokens, Smart Cards and user credentials. The administrator can set the card PIN (Personal Identity Number), unblock the card, load and unload digital certificates and keys, and set root certificates. With the end user utility, the user can browse certificates and change the PIN.

Multi Platform

The RaakSign solution supports a wide variety of operating systems. In addition, RaakSign supports the widest range of Smart Card and USB tokens in the industry. These include the Raak Technologies T8 Token and C7 Smart Cards, as well as a large range of hardware devices from other manufacturers.

Product Overview

RaakSign Administrator and End User Software	Microsoft CryptoAPI Compatible Cryptographic Service Provider (CSP), PKCS11 Middleware, Administrator Management Utility, End User Management Utility, Certificate Expiration Utility, Secure PIN pad component (optional)
Operating System Support	Windows 2003, XP, 2000, ME, 98E, NT4 Windows XP Embedded, CE.NET, CE Pocket PC Linux, Mac OSX, Sun Solaris 9
Supported Technical Standards	Microsoft CryptoAPI, PKCS 11, PC/SC / CCID X.509 v3, PKCS 12, PFX, DER (.ctr, .cer)

Supported Applications

Network Logon	Windows Domain Logon (Windows 2000, 2003) Remote Desktop Logon (Windows 2003) Citrix Presentation Server	E-Mail Clients	Outlook Outlook Express Netscape Messenger, Mozilla Mail Novell Groupwise 6 Baltimore MailSecure Lotus Notes	
Web Server	Apache Client SSL Logon Microsoft IIS Client SSL logon		Certificate Authorities	Microsoft Windows 2000/2003 Verisign Baltimore Geotrust GlobalSign Comodo Entrust RSA SafeGuard SafeLayer
Web Browser	Internet Explorer Netscape, Mozilla Firefox	WLAN Security		Microsoft XP Funk Odyssey Meetinghouse Aegis
Single Sign On	RaakSign Sphinx SSO CA eTrust Tivoli Access Manager Imprivata OneSign			Other Applications
VPN (IPSEC)	Checkpoint VPN1 SecureClient, SecuRemote Cisco VPN Client, Microsoft NCP			
VPN (SSL)	All major SSL VPN vendors			

Supported Smart Cards & Devices

Raak Technologies	All Raak Smart Cards, including C7, C7-64, C7-72 and Raak T8 USB Smart Tokens	IBM	JCOP20, 21, 30, 31, 41 JCOP20 Biometric JCOP20 Standard
Axalto	Cyberflex 32K Cyberflex 64K e-Gate Palmera	Oberthur	CosmopolIC v4 IDone Cosmo64 v5.2
G&D	Sm@rtCafe 2.0, 3.0, Sm@rtCafe Expert 64 v2 SPK 2.3, 2.4, 2.5, 3.0 STARSIM Java	Orga	JCOP20 JCOP30
GemPlus	GemXpresso 211PK, Pro R3	Others	Aspects OS755 v2.8 CrypToken CTM2048, MartSoft Java Card Renesas X-Mobile Card



For More Information

For more information about Raak solutions, visit www.raaktechnologies.com, contact a Raak Account Representative at 1 (877)-504-5327, or email us: sales@raaktechnologies.com.