



SafeSign Identity Client for Citrix®

Secure Logon for Citrix Presentation Server™
using USB tokens and smart cards

Citrix Presentation Server

Citrix Presentation Server is an end-to-end application delivery system offering both application virtualization and application streaming to enable the best access experience for any user, with any device, working over any network. With Presentation Server, organizations can centralize applications and data in secure data centers, reducing costs of management and support, increasing data security, and ensuring fast, reliable performance.

Business Challenge

While Citrix Presentation Server has made it easier for users to securely access critical information, simply using passwords to authenticate Citrix users can still put a company at risk. Once a session is opened, users want to securely authenticate to applications and even switch machines while continuing the same session.

BENEFITS

Citrix smart card logon support

Enables two-factor authentication/logon to Citrix Presentation Server™ using a USB token or smart card.

Citrix application support

Enables use of the USB tokens or smart cards by any published application.

Session authentication & roaming

Enables users to switch workstations but continue in the same session (session roaming).

Management utility

Full function management utility allows for PIN/PUK changes, PIN unblock, token initialization and import of certificates.

Standards based

SafeSign IC supports both Microsoft CryptoAPI and PKCS#11 based applications. Additional standards supported include PC/SC, Java Card™, PKCS#12 and PKCS#15.

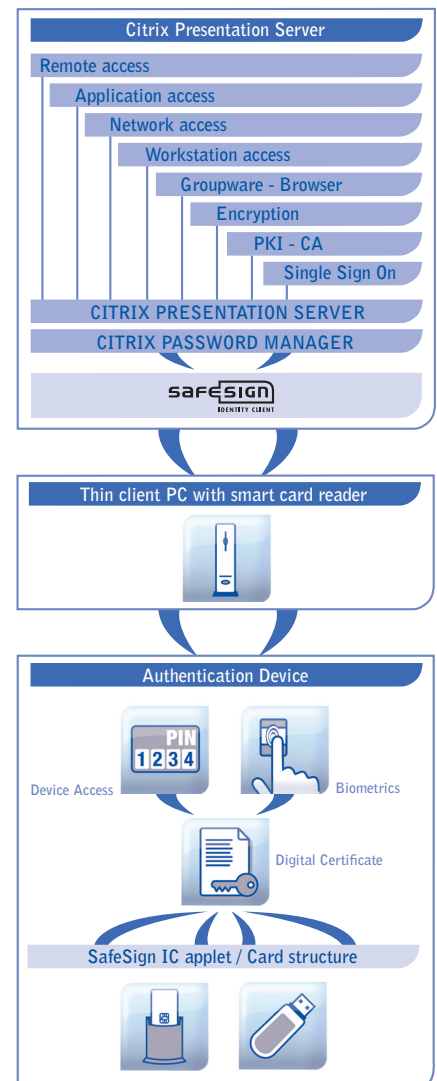
USB tokens and smart cards

SafeSign IC supports a large selection of USB tokens, smart cards and readers from a variety of vendors.

Flexible solution

Expand the use of your software and hardware without changing smart cards or client infrastructure.

OVERVIEW: STRONG AUTHENTICATION WITH SAFESIGN IC AND CITRIX





SafeSign Identity Client

SafeSign Identity Client (IC) enhances the Citrix platform by enabling strong, two-factor logon authentication to a Citrix Presentation Server Session, ensuring the highest security and mobility, as well as simplifying the authentication process for end users. SafeSign IC enforces two-factor security, requiring the end user to have both the USB token or smart card (something you have) and a Personal Identity Number (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.

Citrix smart card logon

SafeSign IC supports logon to Citrix Presentation Server, Presentation Server Clients as well as the Web Interface and Citrix Password Manager. During the logon process, the end user inserts his/her smart card into the smart card reader. SafeSign IC then prompts the user for his/her Personal Identity Number (PIN). The user's certificate

is presented, and if the certificate and the associated user account are valid, the user is authenticated and logged on to a Citrix session.

Published Citrix applications

In addition to logging on to the Citrix session, SafeSign IC also supports smart card use by all published applications that support certificates. For example, Microsoft® Outlook can be configured to use the certificate on the end user's smart card to digitally sign email messages, and en- or decrypt emails and attachments.

Session authentication & roaming

SafeSign IC supports roaming sessions for strong authentication within a Citrix environment, independent of the smart card reader or operating system used.

Card and token management

The SafeSign IC administration utility provides the program administrator with the ability to manage USB tokens, smart cards and the credentials they contain. The administrator can set the card's PIN, unblock the card, import

and delete digital certificates and keys and set root certificates. SafeSign IC also provides an end user utility, which allows the user to browse certificates or change the PIN.

Wide range of devices

SafeSign IC supports a wide range of smart cards and USB tokens from a large variety of vendors. This ensures you can choose the device that meets your specific requirements, whether you need the highest performance or the most cost-effective solution.

Standards

SafeSign IC is based on well-established industry standards, ensuring interoperability with the largest possible range of applications and devices. SafeSign IC supports both Microsoft Windows Cryptographic Services and RSA Labs' Public Key Cryptographic Standards, the two most widely adopted cryptographic interfaces, as well as Java Card™, the most widely implemented smart card operating system.

PRODUCT SPECIFICATIONS

SafeSign Identity Client

Operating system: Windows 2000/XP/Vista, Mac OS X, Linux, Sun® Solaris

Supported standards: Microsoft CryptoAPI, PKCS#1, 7, 8, 11, 12, 15

Supported applications: SafeSign IC
Middleware supports all CSP or PKCS#11 compliant applications like:

- Secure remote access
- VPN
- Groupware
- Browsers
- PKI / CA
- Encryption software
- Email & file signing
- Single Sign On
- User authentication
- Remote application access

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