

VIRTUAL CSP/CTK

Remote Signing from Windows/macOS Desktop applications



Remote Signing From Windows/macOS Desktop applications



Mobile-ID™'s Virtual CSP (Cryptographic Service Provider)/CTK (CryptoToken-Kit) is a lightweight plug-in for the Microsoft Windows/Apple macOS operating systems which allows documents, emails and other data formats to be signed remotely (i.e. server-based signatures).

Virtual CSP/CTK removes the need for deploying smart cards or USB Tokens to end-users. The user's signing keys and certificates are instead managed centrally within the Trusted Hub Service Provider Appliance. The user can remotely sign documents from any Microsoft Windows/Apple macOS based application without changing that application's native user experience.

Virtual CSP/CTK therefore helps reduce costs and ensures a more user-friendly approach to signing documents from Windows/macOS applications.

Features & Benefits

Sign documents within your business applications

Users can sign any document or file directly within their Windows-based/macOS-based desktop applications without the need to upload to a hosted service. In addition, the application file format is retained after the signing process. This means no automatic conversion to PDF or other formats. Virtual CSP/CTK works with Microsoft Office applications such as Word, Excel, Outlook and also third-party applications such as Adobe Acrobat Professional or custom desktop apps.

Manage your remote certificates

Virtual CSP/CTK is a plugin for the Microsoft Windows/Apple macOS operating system. It hooks into the Windows CNG/macOS CryptoTokenKit layer and is responsible for requesting remote signatures on behalf of the user.

Signing keys protection

The access to the user's Remote Signing key is protected through our Signature Activation Protocol (SAP) which ensures strong user authentication and authorization. This is two factor based approach using the TSE Mobile-ID App which is available for iOS and Android.

Authentication options

Virtual CSP/CTK supports following authentication options to perform signing:

- » No authentication (Immediate signing)
- » Password authentication
- » 2-factor authentication and authorization using the TSE Mobile-ID App

Multilingual

The user interface is multilingual and currently available languages are:

- » English
- » Vietnamese
- » Additional languages can be added easily upon request.

Rebranding

Virtual CSP/CTK can be white-labelled. Contact us for more details.

Availability

- » Virtual CSP/CTK does not have a separate user interface (UI) for signing as it adopts the UI of the native applications.
- » Common use cases for Virtual CSP/CTK include these:



Remote Signing from
Microsoft Word



Remote Signing from
Microsoft Excel



Remote Signing from
Microsoft PowerPoint



Remote Signing from
Microsoft Outlook



Remote Signing from
Acrobat Writer



Remote Signing from
Acrobat Reader

PREREQUISITES

Mobile-ID™ supports two approaches to Remote Signing

- » Remote Signing in cloud-based mode
- » Remote Signing using the Trusted Hub Service Provider Appliance