

DRIVELOCK VIRTUAL SMARTCARD (CVSC)



TURN THE SECURE HARDWARE ON YOUR PC INTO A TRUE VIRTUAL SMART CARD WITH DRIVELOCK VIRTUAL SMARTCARD (CVSC)

- ▶ Makes TPM modules available to applications that support PKI tokens, such as smart cards or USB keys
- ▶ Use of TPM already on enterprises' laptops and desktops or use of IPT and SGX technology from Intel.
- ▶ Eliminates need to deploy hardware such as smart cards and readers to end users
- ▶ Supports all major TPM vendors including Infineon, Broadcom and Atmel as well as support of other tokens
- ▶ Support of Windows operating systems, Windows 7 and higher
- ▶ Support of same wide range of applications as the CSSI: remote logon, computer logon, digital signatures, email signing and encryption, document management etc.
- ▶ TCG Software Stack - TSS (ver. 1.2 compliant) even stand alone for machine certificates usable
- ▶ With PKCS#11, CSP, KSP, mini-driver middleware delivered
- ▶ User tool as well as admin tool available
- ▶ WMI software for integration into CMS available (already integrated into CMS from Intercede, Nexus Prime and Versasec)

TURN YOUR TPM CHIP INTO A SMART CARD

Companies have purchased TPM modules inbuilt onto their computer motherboards with practically any of the computers in use today, but hardly make use of it. Originally designed for Digital Rights Management, applications tend to be expensive and not always worth to be invested in. Also their handling is quite difficult from a management perspective. But there are other ways to use a TPM and together with the DriveLock Virtual Smartcard (CVSC) software. Using the DriveLock Smartcard Middleware you can use the TPM chip you already have, to function as a smart card for just about any application where a real smart card can be used: this includes VPN, remote access, computer logon, digital certificate signing and any kind of encryption purposes. And, way beyond inbuilt Microsoft features, you take advantage of extended remote control option, cross platform compatibility, support of non-Microsoft applications and the benefits of a dedicated life cycle management.

BENEFITS

- ▶ Makes the TPM available to applications that otherwise would only work with smart cards and USB keys
- ▶ Uses the TPM chip already available on your laptop or desktop
- ▶ Eliminates the need to deploy smart cards and readers to end users
- ▶ Supports all major TPM vendors including Infineon, Broadcom and Atmel
- ▶ Wide application support: logon, digital signatures, email signing and encryption
- ▶ Compatible to all major backend management software, including Intercede MyID

HOW THE DRIVELOCK VIRTUAL SMARTCARD (CVSC) WORKS

At the core of the DriveLock Virtual Smartcard (CVSC) solution is a TCG version 1.2 and 2.0 compatible TSS software stack, supporting TPMs from all major vendors. Application support is provided through a Microsoft CryptoAPI compliant Minidrv interface – for support of applications that support the MS CAPI or MS CNG, such as Microsoft Outlook. In addition, charismathics provides a PKCS#11 component, for applications such as Firefox, Google Chrome, VPN clients or remote desktop applications such as Citrix or VMware. These interfaces can be used by card management applications to load keys and certificates onto the cards, manage PINs etc. DriveLock Virtual Smartcard (CVSC) works seamlessly with smart cards and USB keys from all major vendors, and supporting all major card and token standards. For smaller organizations, a single management utility – the optional Security Token Configurator (CSTC) – allows the user and administrator to manage all TPM credentials through a single interface.