

## Desktop Virtual Card (VC)

A module for the TrustedX eIDAS Platform

### DESCRIPTION

Desktop VC enables digital signatures and web authentication processes from a local computer, using remote keys located in the TrustedX eIDAS Platform

- A light plug-in is installed on the user's computer, which enables them to sign documents directly from the computer using remote keys securely stored in the TrustedX platform
- Can be leveraged for digital signatures in Acrobat Reader and Microsoft Office applications, and for TLS authentication in web browsers
- Maintains an audit log with information regarding who has used keys, when, and for what purpose
- Compliant with multiple regulations such as the US eSIGN Act and EU eIDAS, and compatible with the Microsoft Windows certificate store

### BENEFITS

#### Centralized management and control

PKI keys are centrally safeguarded in an HSM integrated to the TrustedX eIDAS environment, eliminating the need for tokens or smart cards. Key access is recorded, enabling usage audits and alerts generation through Security Information and Event Management (SIEM) systems.

#### Improved user experience

PKI complexity remains hidden, with users needing only to deal with a password or with Mobile ID\*. The user experience is uniform, perfectly integrated to the desktop and independent from the workstation.

#### Easy to deploy

No need to re-provision users — you can use your existing corporate Identity Provider (IdP). Upon standard desktop integration, you can use certificates from usual applications.

#### Cost savings

No deployment or maintenance costs associated with physical cards, card readers, or local repositories. No lost cards and/or missed detection of fraudulent token use.

\* Mobile ID is an optional module for the TrustedX eIDAS Platform. For more information you can consult the dedicated datasheet.

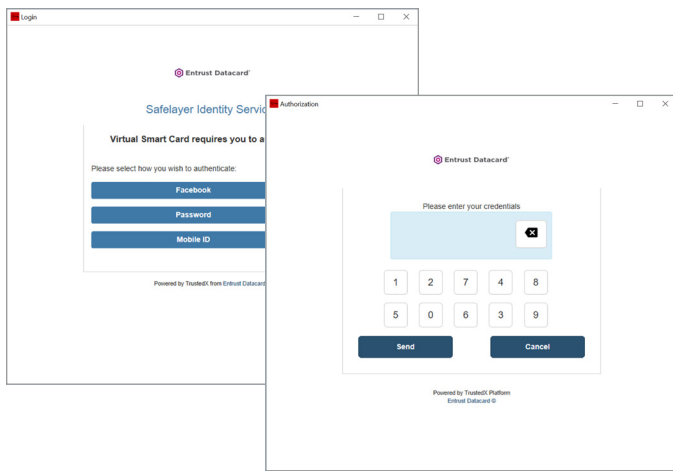
## FUNCTIONALITY

From a user's perspective, Desktop VC acts like a virtual smartcard because they can remotely utilize PKI keys and certificates in the TrustedX eIDAS platform from their desktop applications and office software.

Users access their PKI credentials from their workstation by activating them with a static password, a one-time password (OTP), or via Mobile ID\*, depending on the established access policy.

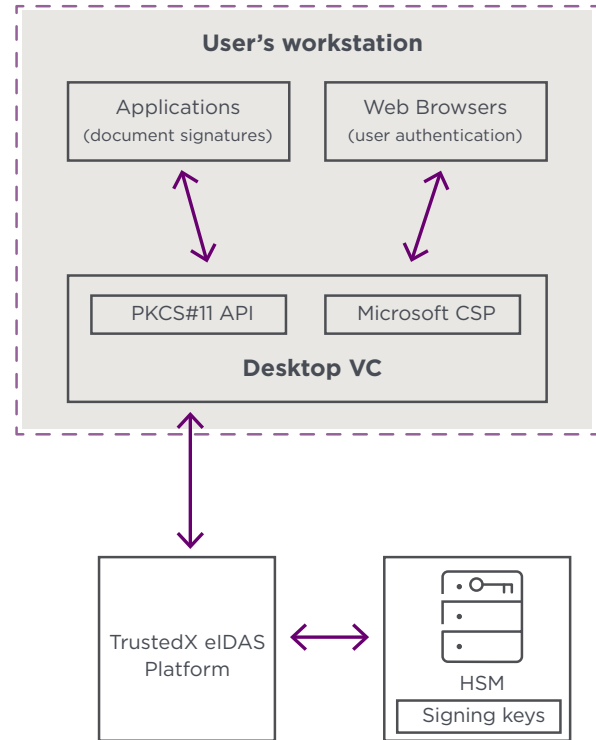
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Desktop VC supports PKCS #11 as well as the current standards for accessing Windows' certificate store. It can be easily integrated to all major browsers, Microsoft Office software applications, and usual Java/.NET development tools.



## ARCHITECTURE

The following diagram shows the workflows between the Desktop VC module and the TrustedX eIDAS service.



## TECHNICAL SPECIFICATIONS

- **Pre-requisite:** TrustedX eIDAS Platform is required in order to use Desktop VC
- **Operating system:** Plugin for Windows operating systems for the TrustedX eIDAS Platform
- **PKI credential service:** TrustedX eIDAS Platform
- **Application integration:** Compatible with Microsoft Cryptographic Service Provider (CSP) and PKCS#11 for Windows environments

### About Entrust Datacard Corporation

Consumers, citizens, and employees increasingly expect anywhere-anytime experiences — whether they are making purchases, crossing borders, accessing e-gov services, or logging onto corporate networks. Entrust Datacard offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports, and ID cards to the digital realm of authentication, certificates, and secure communications. With more than 2,500 Entrust Datacard colleagues around the world, and a network of strong global partners, the company serves customers in 150 countries worldwide.

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