

Hardened browser

Secured PKI-enabled browser for secure e-banking and secure web access

Increased identity and data theft, man-in-the-middle attacks, phishing, unauthorized access to confidential data demonstrate the growing need for enhanced security solutions. Next to that more stringent regulation has been put in place ensuring data security for companies and financial institutions. Furthermore hacking attempts are become more and more refined, requiring more and more advanced countermeasures.

VASCO Data Security has a solid reputation in helping financial institutions in securing online transactions through two-factor authentication. As part of VASCO's ongoing investment in new and more advanced countermeasures, VASCO has developed a Firefox based secure browser.

VASCO's hardened browser technology offers a solution for banks who have lost trust in the use of standardized browser technology and which are looking for more secure browser technology. Furthermore the hardened browser technology offers a solution for secure web access in any professional environment where confidential information is exchanged through a web application such as e-government applications or intellectual property applications.

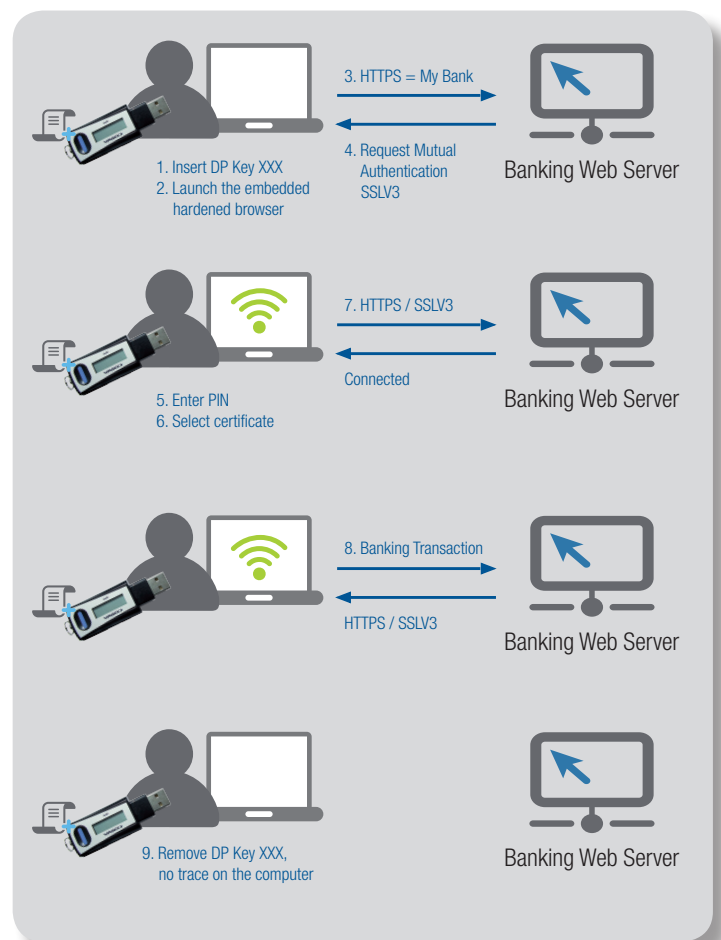
The hardened browser is stored on the CD-Rom memory disk partition of the DIGIPASS Key 200 and DIGIPASS Key 860. Both USB keys have an encrypted memory partition on which confidential data are stored and through which secret keys and the access to these keys are protected by smart card technology.

SECURE E-BANKING

For banks the secure or hardened browser concept offers strong protection against man-in-the-browser hacking attempts. The hardened browser will guide online banking customers straight to the correct URL. When executing a transaction, the banking customer will plug his DIGIPASS Key into the USB-port of the PC. The browser will be launched, going directly to the bank's URL. In doing so, it will execute two-factor authentication and create mutual authentication based on a certificate ; the bank knows that an authorized user who uses embedded and certified software is going online to perform a secured transaction.

SECURE WEB ACCESS

For any professional environment where confidential information is exchanged through a web application, the hardened browser offers a solution. Any type of application can be stored onto the DIGIPASS Key 200 or DIGIPASS Key 860. Similar to the use in an online banking environment, the hardened browser will lead the end-user straight to the URL of the web application and authenticate the user. The solution is ideal for use for e-government applications, intellectual property applications or the use by solicitors and lawyers.



DIGIPASS BY VASCO

BENEFITS

Zero footprint

The use of the hardened browser is transparent to the end-user. It requires no installation on the end-user's PC, it requires no administration. The browser is embedded in the DIGIPASS Key devices. The secured browser is plug & play: it will launch on insertion of the DIGIPASS Key into the USB-port of the PC. Furthermore, the browser does not leave any traces on the end-user's PC: it cannot be saved in the end-user's favorites, making it extremely secure and adequate for the ongoing battle against phishing, man-in-the-middle and man-in-the-middle attacks.

PKI-enabled

The hardened browser is part of VASCO's PKI-based product line. The secure browser and the applications are stored onto the encrypted memory compartment of DIGIPASS Key 200 and DIGIPASS Key 860. The hardened browser application includes device personalization options, a secure Firefox launcher, PIN change and unlock options.

DIGIPASS Key 200 is a USB key with PKI smart card, secure USB mass storage with the possibility of integrating RFID technology for physical access. DIGIPASS Key 860 is a smart card ID device combining PKI with OTP technology and with secure USB mass storage.

FEATURES

- Zero footprint
- Auto start and silent closing function
- Secure Firefox launcher
- Secure PKCS#11 driver which is restricted to accept instructions only from the on-board browser
- Integrity check of the software upon execution and/or installation
- Inability to download and install content that alters the browser's behavior or something on the desktop
- Device personalization
- Identrust and Trustgate compliant
- Available for Microsoft



About VASCO

VASCO designs, develops, markets and supports patented DIGIPASS®, DIGIPASS PLUS, VACMAN®, IDENTIKEY® and aXsGUARD® authentication products for the financial world, remote access, e-business and e-commerce. With tens of millions of products sold, VASCO has established itself as the world leader in Strong User Authentication for e-Banking and Enterprise Security for blue-chip corporations and governments worldwide.

www.vasco.com

BRUSSELS (Europe)

phone: +32.2.609.97.00
email: info-europe@vasco.com

BOSTON (North America)

phone: +1.508.366.3400
email: info-usa@vasco.com

SYDNEY (Pacific)

phone: +61.2.8061.3700
email: info-australia@vasco.com

SINGAPORE (Asia)

phone: +65.6323.0906
email: info-asia@vasco.com