



## Benefits

- Benefit from the increased security of two-factor authentication without an additional hardware device
- Enjoy low TCO and save on hardware token deployment
- Avoid the downtime and risk of misplaced, stolen or broken physical authenticators
- Easily manage, distribute, deploy and recover virtual authenticators thanks to software portability
- Mix and match with a variety of software and physical authenticators to meet your security needs today and tomorrow
- Requires little or no ongoing maintenance

## Virtual Smartcard, Real Security.

SafeNet's eToken Virtual PKI-based software authenticator, uses the latest innovation in software-based smart token technology to combine the strong two-factor security of a smart card, with the cost effectiveness, and convenience of software authentication.

## Flexibility and Convenience

eToken Virtual is a software-based two-factor authentication security solution that provides full PKI functionality including secure remote access, network access and digital signing.

## Software-Based, Two-Factor Authentication with Full PKI Functionality

Designed to smartly and safely move your organization forward by enabling secure access to business resources and advanced certificate-based applications, eToken Virtual gives you a range of enhanced security features, including:

- **Full PKI Functionality:** eToken Virtual lets your organization benefit from the security of secure remote access, network access and digital signing.
- **Lock and Unlock Security:** eToken Virtual limits the number of attempts to access the authenticator, and a locked authenticator can only be unlocked by an administrator password.
- **Key Deletion:** Before deleting an eToken Virtual file from the file system, all the private data is replaced by random data and rewritten to disk to ensure no trace remains.
- **Password Policy:** eToken Virtual enforces password complexity according to organizational policies. To prevent tampering, the policies are digitally signed using the RSA 2048 key.
- **Full Crypto Functionality using Crypto API:** eToken Virtual works in conjunction with eToken PKI Client supporting full CryptoAPI and PKCS#11.
- **AES Encryption:** The contents of eToken Virtual are separated into public and private. Public contents are openly available, and private data is encrypted using the AES 128 algorithm.
- **Smartcard Login:** eToken Virtual supports the ability to provide Smartcard Login to Windows environments in conjunction with SafeNet's eToken Network Logon security software.
- **Device Locking:** eToken Virtual maintains a high level of protection by locking contents to a specific storage device or PC. Once locked, neither eToken Virtual nor its contents can be copied to a different device.

## Technical Specifications

- Management: eToken TMS 5+
- Security Application: eToken PKI Client 5+
- Supported Operating Systems:
  - Windows XP / Windows Vista / Windows Server 2003 / Windows Server 2008 (32-bit and 64-bit)
  - Mac\* OS X 10.4 (Tiger) / 10.5 (Leopard)
  - Linux distributions\*: CentOS 5.2 (32-bit and 64-bit), Red Hat 5.2 (32-bit and 64-bit), Ubuntu 8.04 (32-bit), Fedora Core 9 (32-bit), SUSE 10.3 (32-bit) 1366

\*Limited to portable drive

## Full Lifecycle Management with Token Management System

eToken Virtual works with SafeNet eToken PKI Client middleware and the eToken TMS management platform to ensure streamlined operations, self service and management capabilities.

eToken TMS reduces IT overhead by streamlining all authentication operations, including: deployment, provisioning and ongoing maintenance. It links users, devices, organizational rules, and security applications in a single automated and fully configurable system so that you can easily get the control, management and efficiency you need.



## The SafeNet Family of Authentication Solutions

SafeNet's suite of authentication solutions includes certificate-based, OTP, hybrid and software authenticators. All authenticators, together with SafeNet's extensive management platforms and security applications, empower you to:

- **Conduct business securely and efficiently** and open new market opportunities with innovative products that enable secure remote access and advanced security applications such as certificate-based authentication, digital signing and pre-boot authentication.
- **Reduce risk with strong authentication solutions** that prevent fraud and data theft and enable compliance to industry regulations.

To learn more about SafeNet's complete portfolio of authentication solutions, please visit our website at [www.safenet-inc.com](http://www.safenet-inc.com).



2009 SC Magazine  
"Best Buy" 5-Star  
Rating



Network Product  
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