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security to be free

eToken Virtual
Smart Card

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.

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

> **Smart Card Login:** eToken Virtual supports the ability to provide smart card login to Windows environments in conjunction with SafeNet 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.

Full Lifecycle Management with Credential Management System

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

SafeNet Authentication Manager 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.

About Gemalto's SafeNet Identity and Data Protection Solutions

Gemalto's Identity Protection solutions enable enterprises, financial organizations and service providers to protect the daily digital interactions of employees, partners and customers by ensuring secure access to online resources and securing financial transactions. Gemalto's flexible management platforms and broad range of strong authentication technologies and form factors, allow organizations to adopt a forward-looking identity management strategy, ensuring that their security needs are met as new threats and use cases evolve.

To learn more about Gemalto's complete portfolio of authentication solutions, visit our website at: www.gemalto.com/identity.

Technical Specifications

> Management: SafeNet Authentication Manager
> Security Application: SafeNet Authentication Client

Supported Operating Systems:

> Windows Vista SP2 (32-bit, 64-bit), Windows 2008 R2 SP1 (32-bit, 64-bit), Windows Server 2008 SP2 (32-bit, 64-bit), Windows Server 2012 and 2012 R2 (64-bit, Windows 7 SP1 (32-bit, 64-bit), Windows 8 (32-bit, 64-bit), Windows 8.1 (32-bit, 64-bit), Windows 10 (32-bit, 64-bit)
> MAC*: MAC OS X 10.9, 10.10
> Linux distributions*: Ubuntu 13.10, 14.04, CentOS 6.6, 7.0, Red Hat 6.6, 7.0, USE, Linux enterprise desktop 11.3, 12.0, Fedora 20, Debian 7.7
> *Limited to portable drive

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