



eToken™

YOUR KEY TO eSECURITY

For Microsoft Certificate Authority (CA)

Microsoft CA provides organizations with fully integrated Public Key Infrastructure (PKI) services, secure Intranet, Extranet, Virtual Private Network (VPN) eMail and network logon. Microsoft CA solutions can enable a number of security services needing strong authentication and non-repudiation of transactions. For example, Windows 2000 Smart Card logon requires a Microsoft Certificate Authority (CA) configured with the enterprise policy module.

eToken enables users of the Microsoft CA to store or create private digital credentials inside the token, creating a secure environment and allowing full portability and maximum ease of use. eToken PRO can also perform sensitive on-chip operations, ensuring that users keys are never exposed to the PC environment. eToken eliminates the need to store certificates and keys on a hard disk, browser file or transmitted across the Internet/Extranet ensuring peace of mind and confidence during online communications.

NETWORK SECURITY SOLUTIONS
PORTABLE PKI

Features

eToken

- eToken R2 - DESX 120-bit
- eToken PRO - RSA 1024 / 3-DES / SHA-1
- Secure Storage of Private Credentials
- On-Board Cryptographic Processing
- Strong Authentication & Non-Repudiation Support
- Standard USB Connectivity
- Standard Connectivity to Multiple Business Applications (CAPI, PKCS#11)

Microsoft Certificate Authority Services

- Microsoft Certification Authority Server
- X.509 v3 Certificate Support
- 1024-bit RSA Key Support
- Multiple Client Application Support
- Active Directory Support
- Authenticated Certifications

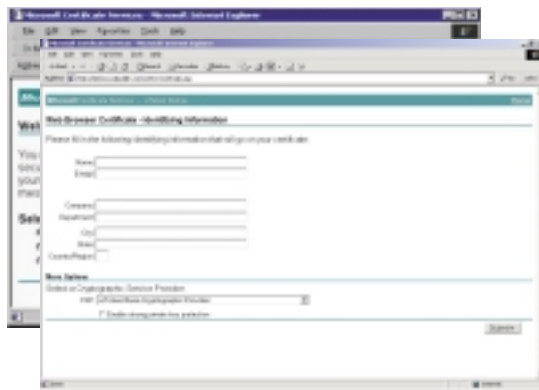
Benefits

- High-level security for users private credentials & digital certificates. Users can authenticate, encrypt, sign and decrypt electronic transactions with full confidence.
- Two-factor authentication is enabled for a variety of network security applications, ensuring a high level of security through reliance on a hardware based USB device.
- Private keys and certificates, stored on the eToken, operate transparently with any standard browser and any Microsoft CAPI supported application such as: eMail applications, VPN clients or network logon clients.

PKI, Digital Signatures & Certificates

Organizations today need a method to authenticate the identity and validity of users accessing information on computer networks. A public key infrastructure (PKI) is a system that provides solutions for secure network and eCommerce. Microsoft CA offers convenient and affordable PKI services as an integral part of their solution set.

A PKI consists of protocols, services and standards supporting applications of public key cryptography. In a PKI, every user is assigned a cryptographic pair consisting of a public key and private key that are mathematically related. The public key is published, while the private key is kept secret.



Digital Certificates

Digital certificates are electronic credentials that tie a public key to an individual, and help prevent someone from using a phony public key to impersonate someone else. A basic certificate will bind a public key to an individual. Common certificates also include an expiration date, the name of the Certificate Authority (CA) that issued the certificate, and a unique serial number. Most importantly, it contains the digital signature of the CA.

eToken Enterprise & Microsoft CA Certificates

The eToken Runtime Environment (RTE) contains all the necessary files and components needed for eToken to work with a computer. With eToken, users do not need to remember different passwords for different user accounts and certificates, only the password for their personal eToken. All authorization details can be carried on a key chain or in a pocket, and used securely on any computer set up for use with eToken.

For more information on eToken, visit www.eAladdin.com/eToken

For more information on Microsoft CA, visit:

www.microsoft.com/TechNet/win2000/casetup.asp



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