

SSL Client Authentication

with X.509 Certificates



CrypToken®

Strong Hardware based Authentication



CrypToken

Compact and extremely durable metal case (1:1 Original Size)

eBusiness solutions, financial transactions, and subscription services require reliable user authentication and secure transmission channels. This can be achieved with the combination of certificate based client authentication and SSL transmission.

To reach the highest security level it is necessary to have a trusted storage for the certificates: The CryptToken.

SSL Client Authentication

- Easy implementation into existing web portals
- Strong access control for Internet and Intranet
- Authentication with X.509 certificates
- Safe against phishing and password theft
- Client: all browsers with PKCS#11 or MS-CAPI support (e.g. IE, Firefox and Mozilla)
- Server: all SSL compliant servers (e.g. IIS and Apache)

CrypToken

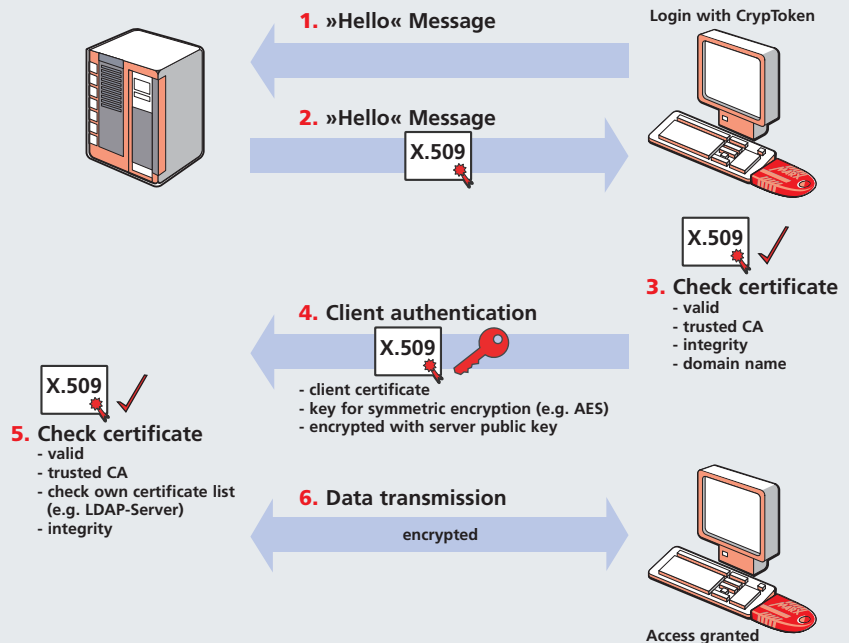
- CryptToken M2048 with MULTOS Smart Card OS (ITSEC E6 high)
- CryptToken 2000
- Mobile and secure certificate storage
- Designer metal case
- Cryptographic interfaces: PKCS#11 and MS-CAPI
- Windows (Vista, XP, 2000, CE), Linux, Mac OS X, SUN Solaris

How SSL Client Authentication works

The client is verified during the connection handshake using an X.509 certificate. Access to the server is granted with a valid certificate only, stored on the CryptToken.

Based on the X.509 standard, this solution integrates well into all common client/server environments. The CryptToken Toolkit contains descriptions how to implement X.509 based authentication to existing server environments, such as Apache or IIS.

Two Way Authentication between server and client with certificates stored on the CryptToken.



For additional information visit www.cryptoken.com/ssl

Securing the Digital World™

www.cryptoken.com

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