

HOBLink Secure

Version 3.1 for Windows

HOBLink Secure - the Security Solution for Your Enterprise



■ Strong Enterprise Security

HOBLink Secure is a complete package for secure communication and authentication in TCP/IP networks. It is based on Secure Socket Layer, Vers. 3 (SSL3) and Transport Layer Security (TLS) and employs the newest technology in creating and managing certificates and encryption keys. HOBLink Secure consists of the following components:

- HOBLink Security Manager (Java)
- HOBLink SSL Client/Server Java/Win32
- HOBLink SSL Proxy and Service Programs
- WebSecureProxy for Windows, Solaris, HP-UX, etc.
- HOBLink Certificate Generator (optional).

■ Benefits at a Glance

- Clear, efficient administration
- Easy-to-use, intuitive user interface
- Supports all certification authorities
- Platform-independent because it's Java

■ Secure Encryption

HOBLink Secure enables encryption with several algorithms and with a key length of up to 256 bits. Since the key length for previous solutions usually stops at 128 bits, this means you get an extra measure of security with HOBLink Secure.

■ Support for Security Standards

HOBLink Secure supports the following security standards and cryptographic algorithms:

- RC2, 40-bit key length
- RC4, 40- or 128-bit
- DES, 40- or 56-bit
- 3DES (3 keys of 56 bits ea., effective key length of 112 bits)
- AES, up to 256-bit key length

Key Exchange Methods

- DH (Diffie-Hellmann)
- RSA

Hashes

- MD5
- RipeMD-160
- SHA-1

■ Authentication

HOBLink Secure supports the Microsoft CryptoAPI and thus the use of SmartCards and Tokens, e.g., from Gemplus, Schlumberger, Aladin, etc. These systems prevent attacks via password theft, as user-authentication requires physical possession of these devices. In addition to tokens and SmartCards, HOBLink Secure supports OCSP, with which the HOB WebSecureProxy and Java classes can check, online and in real time, whether certificates are valid or not.

■ HOBLink Certificate Generator

This powerful (optional) tool lets you automatically generate large numbers of certificates for your own Public Key Infrastructure (PKI). The required data are read from pre-formatted, editable files, making manual intervention during the generation process unnecessary.

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■ Creation of Certificates

HOBLink Secure not only allows you to import the root certificates of all the significant certification authorities, but also makes it possible to create your own root certificates (X.509 standard).

■ WebSecureProxy

The WebSecureProxy enables you to SSL-encrypt communication between a HOB client and a server that is not enabled for SSL. Additionally, it supports the HOB load balancing and application publishing features used for Windows Terminal Connectivity with HOBLink JWT. This means a client can go over the Internet to access a Windows Terminal Server farm located behind one or even two firewalls. The WebSecureProxy distributes the client access to the server with the least load.

■ Data Compression

In addition to the encryption function HOBLink Secure offers data compression according to V42.bis, allowing for fast data transfer even when your network bandwidth is tight.

■ System Requirements

HOBLink Security Manager and HOBLink SSL Client in Java

HOBLink Secure can be used under 32-bit Windows, Linux, OS/2, AIX, Sun Solaris and MacOS.

■ HOBLink Security Manager and HOBLink SSL Client for Windows

- PC with Pentium processor
- Windows (32-bit)

HOBLink Security SDK

- PC with Pentium processor
- Windows (32-bit)
- MS Visual C++ development environment
- Java development environment with JDK 1.1.7 standard, e.g., Symantec Visual Café

■ Integration into HOBLink Products

Not only can HOBLink Secure be used with a number of HOBLink communications products, it is also compatible with products from third-party manufacturers that support the SSL3 standard.

The following HOB products are supported by HOBLink Secure:

- HOBLink Terminal Edition



- HOBLink J-Term
- HOBLink JWT
- HOBLink 3270
- HOBLink J-Term Entry
- HOBLink J-DRDA
- HOBLink DRDA
- HOBDB connect
- HOBLink SNA Router

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November 2007