



# HiT SSL Server™

Encryption and authentication for secure SQL data using HiT Software DB2 Connectivity products

## HiT SSL Server

HiT SSL Server is an encryption and authentication solution for SQL network traffic. An all-Java, standards-based solution, HiT SSL Server works over TCP/IP networks and prevents unauthorized access to application or operational data by transparently enabling the Secure Sockets Layer (SSL) protocol between HiT ODBC, HiT OLEDB and HiT JDBC, and the systems where HiT SSL Server is installed. HiT SSL Server runs on any operating system with JVM 1.5 or later.

## SSL Standard

HiT SSL Server delivers the benefits of **Secure Sockets Layer (SSL) v3.0** encryption, including digital certificate authentication and 256-bit data encryption, to your data traffic over the Internet or VPNs. Using SSL, the most widely used protocol for security data transmission on the Internet, HiT SSL Server eliminates significant risk in information security and privacy.

## Secure channel

HiT SSL Server complements existing HiT DB2 Connectivity product implementations. If you already have HiT DB2 Connectivity products, all you need is HiT SSL Server to complete an invisible, secure channel between two TCP/IP nodes. Before any application data traffic is sent, HiT SSL Server authenticates the machines, securely negotiates encryption keys, transmits secured user ID/password data, and finally transmits secured application data between the two nodes. HiT SSL Server prevents unauthorized machines from accessing applications. It also prevents unauthorized access to any application data transmitted over TCP/IP networks.

HiT SSL Server monitors and intercepts TCP/IP data at pre-configured port addresses. Once secure communication is established between the two TCP/IP nodes, HiT SSL Server (in combination with your existing HiT driver) routes application data traffic to the true destination application port address. HiT SSL Server may be installed either on the system where the database is running, or on another system. In the latter case, encryption is provided on data traveling from the HiT drivers to HiT SSL Server.

## Server for all platforms

HiT SSL Server can be used on multiple client and server platforms including, but not limited to, Linux, Solaris, HP/UX, Windows, IBM zOS/OS390, IBM i/AS400, IBM AIX, and Mac OSX.

## Key Features

- SSL and TLS support - 256-bit encryption
- NIST FIPS 140-2 validated crypto and SSL functions
- Real-time authentication with HiT ODBC, HiT OLEDB and HiT JDBC
- Broad platform support
- Data encryption using the Digital Signature Standard (DSS), with the Digital Signature Algorithm (DSA) and RSA algorithm
- Extensive internal and Windows log reporting and accessibility
- Graphical tools for certificate generation and management
- Optional integration with certificates obtained from an external certificate authority
- Easy configuration and setup

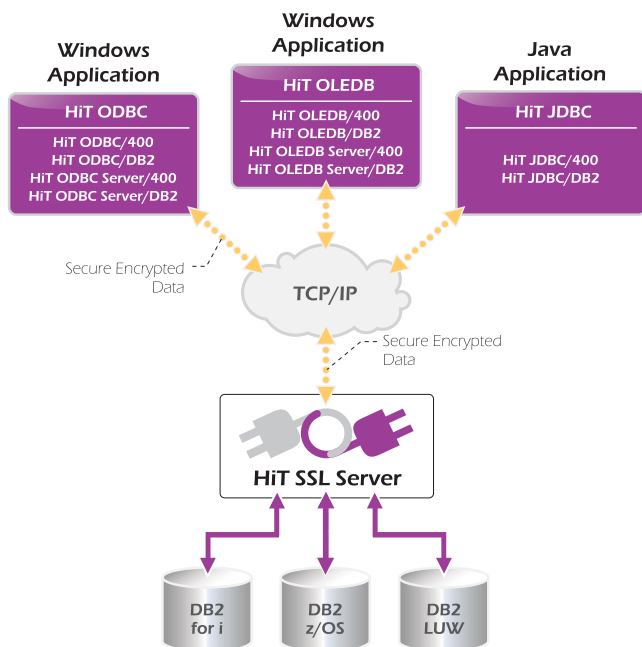
## System Requirements

### Server

- Any platform with Java Run-time Environment 1.5 and later

### Client

- Any platform with Java Run-time Environment 1.3 and later or
- Windows 2003/XP/2000/NT/ME/98



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