Aviva® for Java™

Secure multi-host access for Java-enabled Web browsers

Secure Applet-based Web-to-Host Connectivity

The crucial e-business challenges faced by today's corporations are similar, regardless of the diverse industries in which they operate. In order to succeed, people need secure and easy access to fundamental information. In many large companies as well as in government agencies, this information exists on mainframe Computers or host systems.

Browser-based Terminal Emulation – A Client-based Solution

With Aviva for Java from Aviva Solutions, it is now possible for companies to securely extend host-based information to their internal and external users, whether they are local or remote… without incurring prohibitive cost and support efforts often associated with deploying PC-based terminal emulation software.

Right out of the box, take advantage of Aviva for Java's thin-client solution, providing full-function, unrestricted and secure, seamless host access to all of your users. With Aviva for Java, accessing host-based information is as easy as having a client computer equipped with a Java-enabled Web browser. Terminal emulation software - in the form of a Java applet - dynamically downloads and is cached to the client computer, so that software distribution and repeated downloads are virtually eliminated!

No need to install emulation software on each and every user's work station, or to modify your existing host applications. Aviva for Java is the zero-deployment, long-term connectivity solution that not only reduces training and support costs but provides your users with the simplicity of a Web-interface for accessing the information they need – quickly, easily and cost-effectively.

Secure Access and Deployment – A Server-based Solution

Aviva for Java's SSL Security Options and Advanced Programming Capabilities, make it an extremely secure and flexible solution for extending enterprise data to e-business opportunities. Aviva for Java offers complete end-to-end security via the Aviva Security Redirector and advanced automation capabilities, via Macros, Java or JavaScript accessible API's.

Host Meets Web: Taking Advantage of Web-Based Technology

Experience the richness of a secure, full-function, thin-client connectivity solution with extensive programming capabilities that requires zero deployment - downloads are faster, and waiting times are reduced. Now the answer to increasing productivity and satisfaction levels as you Web-enable your enterprise lies within your hands!

Aviva® solutions

Key Advantages

Browser-based Terminal Emulation Solution – java applets are deployed from a Web server to remote users (such as business partners/suppliers or branch offices), regardless of their client platforms. Aviva for Java replaces traditional full-client products and greatly decreases cost of ownership via central management, configuration and automatic updates.

Platform Independent Client and Server- host applications can be accessed with any Java-enabled browser! Install Aviva for Java on any Web server, including Windows, UNIX, Linux and OS/390.

Advanced SSL Security Options – supports multiple levels and types of security as well as direct encryption with any SSL-enabled TN server to provide a secure and flexible e-business solution for Web-based, mission-critical host access. Aviva for Java supports client certificates to enable customers to authenticate themselves to the server.

Aviva Security Redirector – a stand-alone module included with Aviva for Java to SSL-enable any TN server as well as to hide the host address from the Internet. Moreover, ASR supports client certificates and works with any standard emulation offering that supports SSL, including Aviva for Desktops from Aviva Solutions.

As an Application - As opposed to a Java applet, the application version of the User Workspace runs in its own process, independent from the browser. The session windows are then no longer tied to the applet allowing the browser to be used for web surfing or even closed without further affecting the AFJ operation.

Multi-user Support via User Profiles – Aviva for Java enables administrators to create profiles that define the settings and sessions available to groups of users. Using the operating system security mechanism, administrators simply set user access rights to group profiles, allowing simple and quick deployment of large user groups.

Macros – Aviva for Java provides a powerful macro system that allows automation of user actions in display sessions. The new programming language is JavaScript.

System Printing - Aviva for Java takes full advantage of Java Print Services available in the Java Runtime Environment version 1.4 or higher. These services provide access to named system printers displayed in the print dialog by most applications.

Socks Proxy Support - Aviva for Java can communicate with hosts via SOCKS proxy servers.

Easy to Deploy and Manage

Centralized Installation, Administration and Management – installs on the Web server, eliminating deployment costs and time. From a remote browser, administrators can centrally manage profiles, set permissions, create and modify shared sessions and activate diagnostics.

Unlimited Scalability – the applet downloads to an unlimited number of users and connects directly to the host with no server to bottleneck data traffic

Applet Caching – eliminates applet download time. The cached applet will be downloaded only if Aviva for Java detects a new version on the Web server.

Customizable User Interface – supports dynamic font resizing, graphical keyboard mapping, color mapping, type-ahead support, numeric lock support.

Enhanced Emulation Screen Configuration – green screens can be enhanced with user-friendly interfaces with 3D-View mode and hotspots, making it easier than ever to navigate host screens.
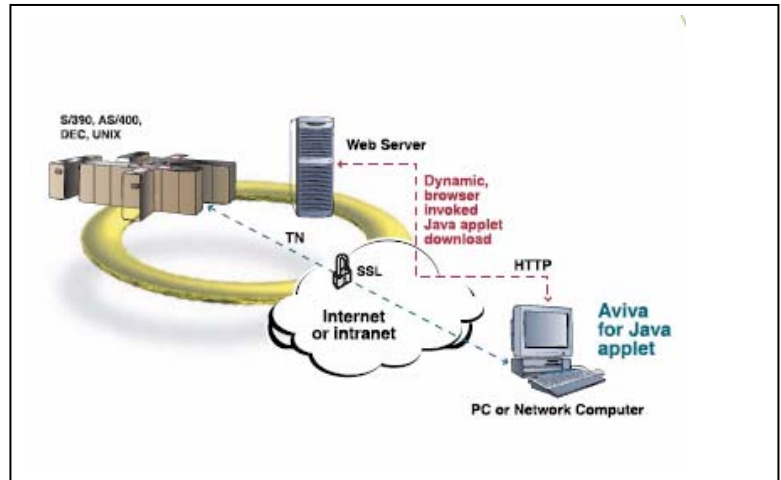
Aviva for Java as out-of-the box terminal emulator, providing centrally-managed host access throughout the corporate intranet.

Extensive Development Tools

Aviva for Java comes bundled with sophisticated and powerful development tools to create either client-based or server-based applications.

Unique Page Automation API for enabling automation via HTML pages; controls and automates the Aviva for Java workspace and sessions from HTML embedded Java or JavaScript.

HLLAPI Interface Support for existing Windows applications.

Aviva for Java's Security Redirector (ASR)

Aviva Solutions' Aviva Security Redirector, a stand-alone software application included with Aviva for Java, adds a new dimension to host access security for any TN server running on a mainframe or AS/400.
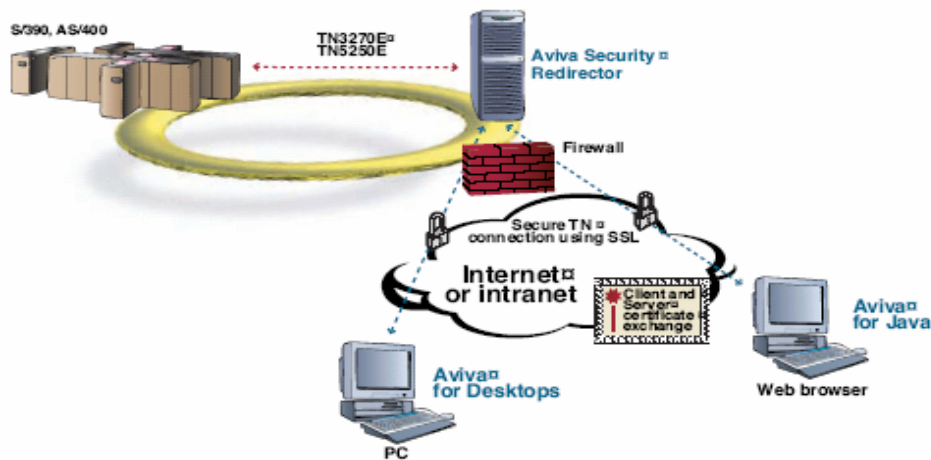
Aviva Security Redirector provides the missing link for corporations without security on their TN servers, as they extend host access across the intranet, Internet or extranet.

Aviva for Java- Technical Specifications

COMPLETE EMULATION

- **Display emulation –** IBM 3270 (3278, 3279), 5250 and VT220 display
- **Printer emulation –** 3287 (LU1 and LU3 types) and 5250 printing
- **Host connection types –** TN3270E, TN5250E, VT220
- **File transfer –** IND$FILE support for CICS, TSO, VM

SECURITY

- **SSL encryption –** 128-bit, 168-bit Triple DES; 40-bit, 56-bit DES
- **Aviva Security Redirector –** if the TN Server does not support SSL, ASR can be installed on either the TN server or the Web server
- **Certificate Management Utility (CMU) –** to create and manage client and server certificates
- **Proxy-** to connect to Host through a SOCKS version 4 Proxy Server.

REQUIREMENTS

- **Client –** any Java-enabled Web browser supporting SUN Java 1.4 or later, or Microsoft VM.
- **Server –** any Web server and any FTP server (both required).