

J6530

A Browser-Based Java Terminal Emulator for HPE NonStop 6530 and IBM 3270 Connection



J6530 is an easy-to-use and easy-to-install web-browser-based terminal emulator for secure 6530 and 3270 connections. It is the choice for large end user bases that do not need a rich additional feature set apart from the 6530 or 3270 terminal functionality, but secure, easy and quick on-demand access from anywhere in the intranet or internet.

Functionality

On opening a corresponding URL or hyperlink over a TCP/IP network, the J6530 application downloads to the client workstation, starts and is ready to connect to the Telnet server running on the host. Optionally, a secure connection will be established. Version control of the J6530 application and session profile configuration are performed centrally, so that J6530 is easily deployed to a large end user base.

Advantages

■ Web-Enabling Terminal-Based Applications:

The J6530 terminal emulator provides immediate web browser access to NonStop 6530 and IBM 3270 applications and services, delivering them to users both inside and outside the enterprise without any programming effort involved. Also, client software does not have to be installed on the desktop.

■ 10-Minute Installation:

J6530 can be installed on the HPE NonStop server within 10 minutes only. After that, users from anywhere in the network will have immediate access to their NonStop applications, including session security.

■ Profile Management:

With the author mode in J6530's advanced graphical user interface, an administrator easily configures the parameters defining session profiles to access host systems and assigns them to different workspaces which are made available to different users or different user groups.

■ Guardian Web Server:

A lean web server for installation on the HPE NonStop Guardian platform is included in the J6530 package, directly enabling deployment from the target host. In addition, J6530 works with any web server.

■ Individual Preferences:

The J6530 user interface can be adjusted to meet the requirements of each individual user. Individual preferences are remembered for future terminal session.

Features

Secure Connections:

J6530 optionally ensures the confidentiality of transmissions and allows you to protect your sensitive business information. Security for terminal and file transfer connections is based on the standard Java SSL context. J6530 is able to interact with the Secure Web and Proxy Server (SWAP) designed by comforte for HPE NonStop Guardian, with HPE iTP Web Server, and with any standard secure server on IBM and other systems. In addition, J6530 enables full 6530 connectivity and secure file transfers over the Secure Shell (SSH) encryption protocol with comforte's SSH solutions for the NonStop Server.

Requirements

J6530

- J6530 is optimized for Java Web Start from Sun Microsystems.
- J6530 also supports any standard browser with Java Virtual Machine for Java 1.7 or later
- SUN Java Plug-in

SWAP

HPE NonStop Kernel D.45 or later

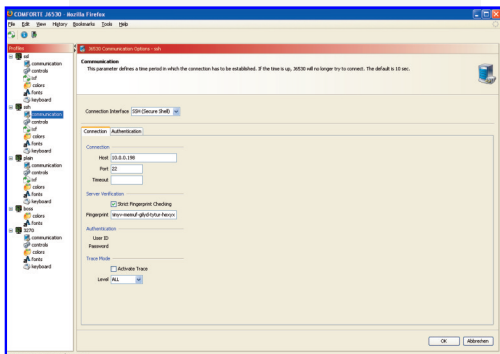
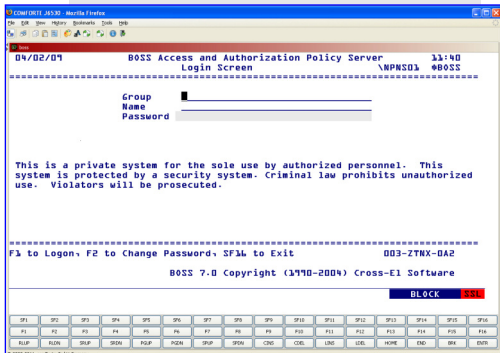
Supported Web Servers

- SWAP (included with J6530)
- Any standard web server

Key Features

- HPE NonStop 6530, IBM 3270
- Secure Telnet Sessions (SSL + SSH)
- Secure File Transfer (SSL + SSH)
- Guardian Web Server
- Kerberos-based Single Sign-On

J6530



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Multi-Session and Multi-Host Access:

Using J6530's multiple-session support, you may access multiple 6530 or 3270 applications concurrently. As an example, with this flexible feature a user could have two sessions running on one host and six different sessions on six other hosts – all in the same window.

National Language Support:

J6530 supports ISO-646 7-bit (for Arabic, Flemish, Danish, French, German, Norwegian, Spanish, Swedish, and English) for 6530 and 3270 server-side applications. J6530 supports ISO-8859-6-bit (Arabic) and ISO-8859 8-bit (Latin languages) as well as Chinese and Japanese character sets for 6530 and 3270.

The J6530 user interface itself is in English and German. Other languages like e.g. Spanish, Japanese, etc. can easily be added. User input in Chinese and Japanese is supported by an extended Inline IME.

Customized Windows:

J6530 allows for customizing its appearance. You can dynamically resize screens and change fonts and colours to fit your individual preferences and application needs.

Presetting the Appearance:

The system administrator is able to preset appearance and functionality of the terminal emulation centrally, e.g. to limit the functionality available to end users.

File Transfer:

J6530 offers file transfer capabilities within a 6530 terminal session, as well as a file transfer component with separate transfer sessions. Supported protocols are FTP and IXF.

Platform Independence:

The J6530 signed applet is 100% pure Java™ and, therefore, platform independent. Besides various releases of the MS Windows operating system, J6530 runs in Linux and Macintosh environments.

HTTP Tunnelling:

Optionally, J6530 is able to tunnel Telnet traffic over the HTTP or secure HTTPS protocols for client communication. This feature can be used to overcome firewall issues as no additional port has to be used for telnet traffic.

Single Sign-On Support:

J6530 supports GSSAPI/Kerberos 5 user authentication over SSH, enabling true single sign-on with Microsoft Active Directory and HPE NonStop servers.

Benefits

Simplified Administration

Instead of having to install emulation software on every single workstation, central installation and maintenance with profile management and automatic downloads of J6530 to the users' work-stations significantly reduces deployment costs. Technical support, training costs, and help desk calls are reduced as well.

Lower Total Cost of Ownership (TCO)

As industrial studies (e.g. by the Gardner Group) confirm, J6530's web-to-host approach with simplified administration and a single point of management carries significant savings in the TCO.

Instant Security

J6530 answers the demand for security immediately without tedious rollouts, thus protecting your data instantly from unauthorized access.

Integrate Legacy in Portals

J6530 can easily become part of an enterprise portal, offering faster data access to new users and paving the way for your e-business presence.