

TPS®/TN3270 Client (JAVA) is a full-featured, standards compliant TN3270E terminal (LU2) and printer emulator (LU1 / LU3). When connected over a TCP/IP link to a corresponding TN3270 Server, it allows a system to emulate 3270 devices and participate in an SNA network with GUI support.

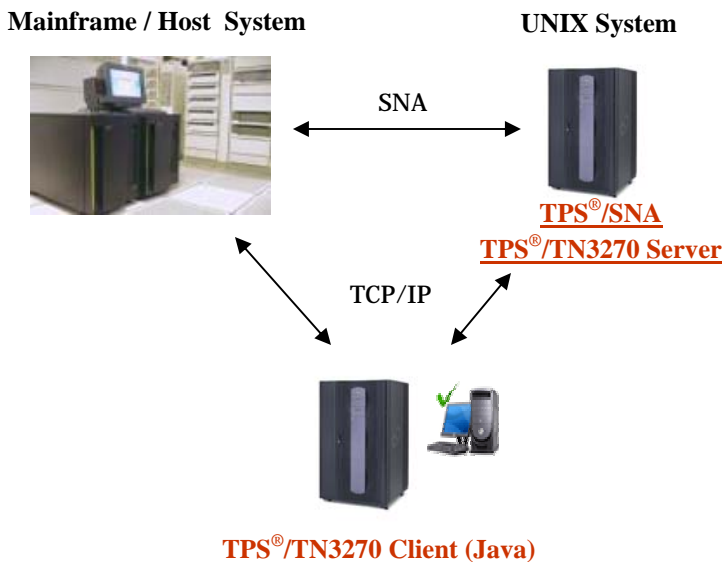
Supported on a variety of Java Virtual Machines, TPS®/TN3270 Client (JAVA) enables downstream systems access to legacy applications or data on IBM® mainframes (i.e.; TSO™, CICS™, VM™, etc.) or other hosts using TN3270 Server.

TPS®/3270 Client (JAVA) can function on many types of terminals and printers which eliminates the need for purchasing any new hardware. It is also designed to allow 3270 print jobs to be directed to any standard printer accessible from the Java Virtual Machine. Print data can also be stored in pre-specified directories for later use.

TPS®/TN3270 Client (JAVA) provides an API, Java High Level Language Application Programming Interface (JHLLAPI), where users can create their applications to control mainframe applications or even automate file transfers. This API provides basic functions, plus others, to allow complete control without user intervention.

HIGHLIGHTS

- ✔ Standards compliant (RFC 1647) TN3270E protocol emulation for terminals (LU2) and printers (LU1 and LU3)
- ✔ JHLLAPI (Java High Level Language Programming Interface) support allows applications to control mainframe applications. Provides screen scraping capabilities
- ✔ Supports SSL encryption
- ✔ Trace facility simplifies problem determination
- ✔ From [TPS® Systems](#) — with 25+ year tradition of excellence in providing network software and support for large global enterprises



PRODUCT POSITIONING

TPS®/TN3270 Client (JAVA) is an ideal solution for either:

- Accessing 3270 SNA host / mainframe applications
- Accessing 3270 host applications from a Java enabled system over a TCP/IP connection
- Minimizing or eliminating local SNA connections to the mainframe while maximizing network performance
- Screen scraping
- Screen and data reformatting
- Internet connectivity
- Data communications needs to be encrypted with SSL

Do you need a TN3270 Server? TPS® Systems provides a full-featured TN3270 Server (TCP/IP). If your connection to your mainframe is SNA and you already have TN3270 Clients or if you want to develop 3270 applications, check out [TPS®/TN3270 Server](#) and [TPS®/SNA](#).

FEATURES

3270 Terminal Support (LU2)

- 3277 Model 1 (24x80)
- 3278 Models 2 (24x80), 3 (32x80), 4 (43x80)
- 3279 Color Models 2 (24x80), 3 (32x80), 4 (43x80), 5 (27x132)

3270 Printer Support (LU1 and LU3)

- 3286 Model 1 and 2 (up to 102x255)
- 3287 Model 1 and 2 (up to 102x255)

Session Support

- Multiple 3270 sessions per system

Terminal and Printer Support

- Terminal support using Java GUI
- Print screen support

Local Session Support

TPS®/TN3270 Client (JAVA) software provides local keystroke echoing. This feature maximizes overall performance by maintaining control of the session locally rather than sending each keystroke through the network. When the user requires a response from the host application, the entire screen is sent and returned as one transmission.

Protocol Support

TPS®/TN3270 Client (JAVA) supports the standard TN3270E protocol for terminals (LU2) and printers (LU1 and LU3). TN3270E requires a TCP/IP connection to another system running a standard TN3270 Server which supports the Telnet 3270 protocol.

Secure Socket Layer (SSL) Support

TPS®/TN3270 Client (JAVA) can create a secure SSL connection to a SSL enabled TN3270 Server, over which data can be sent securely

API Support

TPS®/TN3270 Client (JAVA) also has an Java High Level Language Application Programming Interface (JHLLAPI). This allows users to create their own applications to control mainframe applications or even automate file transfers. The API has all the basic functions, plus others, to allow complete control without user intervention.

Additional Features

- Extended data stream support including color, character attributes, and extended highlighting
- Light pen emulation

RELATED PRODUCTS

- [TPS®/TN3270 Server](#): Gateway allowing TCP/IP clients to access host SNA networks
- [TPS®/3270 \(SNA\)](#): 3270 emulation over an SNA connection for popular UNIX® platforms
- [TPS®/SNA](#) and [TPS®/SNA Primary](#): Full-function SNA gateways for popular UNIX® platforms



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EVALUATION LICENSES

Evaluation copies of TPS® software products are available for a pre-specified timeframe under the terms and conditions of the single-page TPS® Evaluation Agreement.

OPERATING ENVIRONMENT

Operating System:

- IBM® AIX® for IBM® pSeries (32 / 64-bit)
- Linux® for IBM® pSeries (64-bit), Intel®/AMD® (32-bit), Intel® Itanium (64-bit)
- HP-UX™ for HP9000 (32 / 64-bit)
- HP-UX™ for HP Integrity (64-bit)
- Sun Solaris® for Sparc (32 / 64-bit)
- SCO® OpenServer5™
- Windows® 9x/NT/2000/2003/XP for Intel®/AMD®

Other Requirements:

- JRE 1.4 and later
- A TCP/IP connection to a TN3270 Server