



**TPS**<sup>®</sup>/3270 ( SNA ) is a full-featured mainframe 3270 terminal ( LU2 ) and printer emulator ( LU1 / LU3 ). Supported on a variety of different Unix platforms, **TPS**<sup>®</sup>/3270 ( SNA ) enables downstream Unix Systems access to legacy applications or data on IBM mainframes ( i.e., TSO<sup>™</sup>, CICS<sup>™</sup>, VM<sup>™</sup>, etc. ). Using **TPS**<sup>®</sup>/SNA or IBM<sup>®</sup> SNA, to handle the actual communications, your Unix system can connect to the host / mainframe system and emulate 3270 terminals ( LU2 ) and 3270 printers ( LU1 / LU3 ).

**TPS**<sup>®</sup>/3270 ( SNA ) 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 connected to a UNIX<sup>®</sup> system via any standard print command. Print data can also be directed elsewhere, such as scripts, or stored in pre-specified directories, for later use.

**TPS**<sup>®</sup>/3270 ( SNA ) provides an API, Extended High Level Language Application Programming Interface ( EHLLAPI ), 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.

**UNIX System**



**TPS**<sup>®</sup>/SNA

**Mainframe / Host System**



**TPS**<sup>®</sup>/3270 (SNA)

**HIGHLIGHTS**

- ✓ Supports standard 3270 protocol emulation for terminals ( LU2 ) and printers ( LU1 and LU3 )
- ✓ EHLLAPI ( Extended High Level Language Programming Interface ) support allows applications to control mainframe applications or even automate file transfers. Provides screen scraping capabilities
- ✓ Ability to do file transfer to and from the host via IND\$FILE protocol
- ✓ LU Pooling allows easy assignment of sessions and simplifies system administration
- ✓ X-terminal support provides the user with easy-to-read text in proportion to the window size
- ✓ Macro key support enhances efficiency when dealing with repetitive tasks
- ✓ Support for multiple languages ( National Language Support )
- ✓ Trace facility simplifies problem determination
- ✓ Response Time Monitor assists in measuring network efficiency
- ✓ Very easy installation and configuration
- ✓ From **TPS**<sup>®</sup> Systems — with 25+ year tradition of excellence in providing network software and support for large global enterprises

**PRODUCT POSITIONING**

**TPS**<sup>®</sup>/3270 (SNA) is an ideal solution for either:

- Accessing 3270 SNA host / mainframe applications
- Automating control of 3270 SNA host / mainframe applications ( EHLLAPI )
- Automated file transfers with IND\$FILE
- Screen scraping

***TPS**<sup>®</sup>/3270 ( SNA ) also has an Extended High Level Language Application Programming Interface ( EHLLAPI ). This allows users to create their own applications to control mainframe applications or even automate file transfers.*

## 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

- 254 total sessions per physical unit ( PU )
- Multiple 3270 sessions per terminal
- Session suspend capability

### Terminal and Printer Support

- Terminal support using Termino & Curses
- Print screen support

### LU Pooling

LU Pooling can be used to control the assignment and usage of LUs so that the user does not need to know the LU name. LUs can be assigned by pool name, user name, TTY name, or LU name.

### File Transfer

TPS<sup>®</sup>/3270 ( SNA ) has the ability to do file transfer to and from the host. It uses the standard IND\$FILE protocol which is available on TSO<sup>™</sup>, CICS<sup>™</sup>, VM<sup>™</sup>, and other operating systems. It can be used to transfer both binary and record type files. File transfers can be automated via macros or the EHLLAPI feature of the product.

### Response Time Monitor

- Display of RTM boundary counts and current average response time
- Definable threshold for average response time

### Protocol Support

TPS<sup>®</sup>/3270 ( SNA ) currently supports the standard 3270 protocol for terminals ( LU2 ) and printers ( LU1 and LU3 ). 3270 SNA requires the use of an SNA product to handle the actual communications so it does not have any configuration dealing with the connection. The SNAs supported have the ability to use different types of connections such as SDLC, Token Ring, Ethernet<sup>®</sup>, X.25, and the SSP protocol.

### API Support

TPS<sup>®</sup>/3270 ( SNA ) also has an Extended High Level Language Application Programming Interface ( EHLLAPI ). 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

- Keyboard remapping
- Extended data stream support including color, character attributes, and extended highlighting
- Macro key support
- Initialization and termination macros
- Light pen emulation
- Provides a trace facility for problem determination
- National Language Support

Double-byte version for Hangul available

## EVALUATION LICENSES

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

## OPERATING ENVIRONMENT

### Operating System:

- IBM<sup>®</sup> AIX<sup>®</sup> for IBM<sup>®</sup> pSeries (32 / 64-bit)
- Linux<sup>®</sup> for IBM<sup>®</sup> pSeries (64-bit), Intel<sup>®</sup>/AMD<sup>®</sup> (32-bit), Intel<sup>®</sup> Itanium (64-bit)
- HP-UX<sup>™</sup> for HP9000 (32 / 64-bit)
- HP-UX<sup>™</sup> for HP Integrity (64-bit)
- Sun Solaris<sup>®</sup> for Sparc (32 / 64-bit)
- SCO OpenServer5<sup>™</sup>

### Other Requirements:

- [TPS<sup>®</sup>/SNA](#) for any of the above UNIX<sup>®</sup> environments. Alternatively, for AIX<sup>®</sup> only, IBM<sup>®</sup> SNA Services/6000, AIX<sup>®</sup> SNA Server/6000 or IBM<sup>®</sup> Communications Server may be used.



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