TPS®/RJE (SNA)

GENERAL

INFORMATION

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OVERVIEW

TPS®/RJE (SNA) is a full-featured Remote Job Entry (RJE) implementation that emulates an IBM® 3777 model 4 card punch / reader, providing high-speed, high-volume data transfer between a mainframe / host system and a downstream UNIX® system. TPS®/RJE emulates several IBM® 3777 model 4 workstation devices including card punch, card reader, and console.

TPS®/RJE (SNA) functionality includes the ability to download data, submit data and enter RJE console commands. Mainframe / host data, downloaded from the RJE subsystem (i.e., JES, JES2, JES3, POWER/VSE, RSCS, and SUPERTRACS^T), can be directed to any standard printer connected to a UNIX® system via any standard print command, directed elsewhere, such as scripts, or stored in pre-specified directories for later use. Files can also be submitted to the mainframe / host system and RJE operators can use the RJE to issue console commands.

TPS®/RJE (SNA) communicates with RJE subsystems on the mainframe / host system such as JES, JES2, JES3, POWER/VSE, RSCS or SUPERTRACS™, running under MVS™ or DOS/VSE™. TPS®/RJE (SNA) utilizes SNA functionality of either TPS®/SNA or various IBM® SNA products.

Although some 3777 capabilities such as hardware switches are not emulated, many additional usability and functionality features are provided.

HIGHLIGHTS

- Allows a UNIX® system to emulate an IBM® 3777 model 4 workstation (card punch, card reader, and console)
- Supports JES, JES2, JES3, POWER/VSE, RSCS and SUPERTRACS™
- Utilizes the SNA functionality of either TPS®/SNA, IBM® Communications Manager for AIX®, IBM® SNA Services/6000, AIX® SNA Server/6000
- Added features for data transfer including compression and compaction
- Menu driven configuration for RJE (Remote Job Entry) operations
- Very easy installation and configuration
- From TPS® Systems — with 25+ year tradition of excellence in providing network software and support for large global enterprise

ARCHITECTURE

TPS®/RJE is designed to utilize the API structure of TPS®'s SNA or IBM's SNA and is dependent upon the SNA services connection to the mainframe. With this design RJE has the capability of multiple configurations and the flexibility of connections to the mainframe. Utilizing the SNA PU, RJE connects to the mainframe using type 1 LUs. TPS®/RJE emulates a 3777 model 4 workstation and uses the standard 7 printers, 7 punches and 7 readers. RJE emulation uses the SNA character strings to control printer carriage control, transparency transfer and space compression.

FEATURES

- Utilizes TPS®/SNA, IBM SNA Services/6000 or AIX SNA Server/6000 for the host connection. All host connections supported by SNA can be used by a TPS®/RJE.

- Provides emulation of an operator's console, up to seven card readers, card punches, printers, and exchange devices (i.e., tape drive or terminal).

- Provides up to six concurrent LU sessions.

- Capable of operation in a background session.

- Provides full-featured menu for all RJE operations. RJE may be stopped and started, jobs may be submitted, and control functions may be initiated from within the menu. The menu includes online help, a continuously updated display of RJE's active status, and many pop-up menus and lists.

- Provides an interactive *rjestatus* program centered on a single screen with pop-up windows for the console, job queue, LUs, and output devices.

- Provides flexible device configuration through the use of setup profiles.

FEATURES (Continued)

- Provides flexible output destination control for the output devices. The output of punches, exchange devices, and printers can be specified to be an AIX file, or routed into any queue of the AIX spool facility, which provides print device sharing and device selection. This routing can be defined initially in the configuration file specified at RJE startup or dynamically during RJE operations through the *rjecontrol* command, or through the form name file.

- Provides for clarified job reception. Incoming files will be created at length in the target directory (indication that reception has begun); only when reception is complete will the file size change, and then it will change directly to its final size.

- Provides automatic session logon for the LUs by specifying a logon string to be sent to the SSCP upon SSCP-LU activation.

- Provides command support for displaying the status of connections, devices, jobs, and deleting and aborting active jobs.

- Supports transparent input and output data.

- Provides ASCII to EBCDIC and EBCDIC to ASCII translation.

- Supports compression and compaction.

- Supports SNA Character Strings (SCS) NL, FF, BS, CR, LF, SHF, SVF, HT, VT, VCS, BEL, NUL, TRN, and IRS.

- Supports FMH set 1 as described in *SNA Sessions Between Logical Units* (GC201868).

- Supports FM profile 3 as described in *SNA Reference Summary* (GA27-3136).

- Supports TS profile 3 as described in *SNA Reference Summary* (GA27-3136).

OPERATOR CONTROL FUNCTIONS

TPS®/RJE (SNA) provides the ability for the RJE operator to send and receive messages through a console emulation facility. This allows the operator to enter SSCP requests (such as logon and logoff) and application requests (such as JES or POWER commands).

Additionally, TPS®/RJE (SNA) provides a number of other control functions, allowing the operator to:

- Delete a job from the queue of jobs to be submitted to the host.

- Cancel the activity of a specified output device that is receiving a job f or the host.

- Change the routing for a specified output device, and therefore reroute a job to be received from the host.

- Reset the connection to the host.

- Change the virtual page format for the data that is to be received from the host.

- Turn logging on and off dynamically.

OPERATING ENVIRONMENT

TPS®/RJE currently requires:

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)
- Sun Solaris® *for* Sparc (32 / 64-bit)

Other Requirements:

- TPS®/SNA for any of the above UNIX® environments. Alternatively, for AIX® only, IBM® Communications Manager for AIX®, IBM® SNA Services/6000, AIX® SNA Server/6000
- A supported device driver for the chosen WAN communications adapter

PRODUCT POSITIONING

TPS®/RJE (SNA) is an excellent solution when RJE functionality is required on distributed UNIX® platforms. It protects legacy RJE investments while substantially improving RJE usability.

Clients are also using TPS®/RJE (SNA) as a cost-effective high-speed file transfer mechanism between systems in SNA dominated WANs.

CUSTOMER CONSIDERATIONS

Evaluation Licenses

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

Return & Refunds

TPS® Systems guarantees that if a product does not meet your requirements, it may be returned within 60 days for a full refund.

Warranty Period

All TPS® software products have a 90-day warranty period. After this period, customers should register for annual maintenance to receive continued technical support and no-charge program updates.

Maintenance

TPS®/RJE post-warranty maintenance is available through the TPS® Annual Maintenance Agreement. Maintenance coverage includes telephone technical support and availability of new versions/releases at no additional charge. Annual maintenance charges are 20% of the current license fee per system up to a maximum per customer enterprise. Please contact your TPS® Sales Representative for further details.

Customer Responsibilities

Customer responsibilities include:

- Performing site preparation, system planning, and other vender preparations.
- Arranging common carrier service installation and maintenance/support coverage.
- Performing product installation, setup and configuration.
- Performing routine trouble-shooting procedures before contacting TPS® support.
- Providing diagnostic or trouble-shooting information as directed by TPS® support.

PRICING

For current pricing information, please contact TPS® Systems at (210) 496-1984, or email us at *sales@tps.com*.

ORDERING INFORMATION

TPS®/RJE (SNA) is available under the Agreement for TPS® Licensed Programs. To order TPS®/RJE or for further information, please contact the TPS® Sales Department at (210) 496-1984 or e-mail *sales@tps.com*.