

Cleo TN3270

A Windows, Unix or Linux Solution for Establishing 3270 connections to IBM mainframes or AS400

- Support for up to 4,000 sessions
- High reliability
- Low CPU utilization
- Complete management of all sessions
- Session pooling
- HLLAPI programming interface
- Printer support
- Automatic error recovery

Cleo's TN3270 is designed for high-performance mainframe communications where reliability and efficiency are critical. Some typical mission critical applications are Interactive Voice Response (IVR) systems, large credit card processing servers, large-scale retail chains, CTI, dealer or franchisee communication. Connecting to single or multiple mainframes through one or more TN3270 servers, Cleo TN3270 supports every function of the TN3270E specification. TN3270 also provides a LU naming feature, HLLAPI (High-Level Language Application Program Interface), and supports both character and graphical interfaces.

IBM Mainframes still contain over 70% of the key corporate data. Accessing this information is often done through the execution of mainframe applications with a 3270 interface. Cleo's products have been designed to quickly facilitate the integration of this 3270 mainframe access into any application using either our legacy HLLAPI interface or our Transaction Designer.

The Transaction Designer is a modern programming tool that supports the .NET, Visual Basic, Java and Visual Studio development environments. The Transaction Designer allows the developer to quickly develop error free programs using "transactions" rather than detailed API calls. A typical transaction set for a financial application would include: "get account balance", "get next check" and "get last deposit".

Cleo's TN3270 also supports Web Services interfaces via XML.

In addition to excellent products, Cleo's technical staff is outstanding. Often mainframe communication expertise, especially with the organization's older applications, is in short supply. With an average of over ten years experience in mainframe communications, Cleo's support team is always available to support your pre-sales, installation and/or development needs. If your company requires e-business communications between IBM mainframes and your UNIX system, Cleo TN3270 provides the emulation tools and advanced options that will put information in the hands of those who need it.



AT A GLANCE

Mainframe 3270 access over intranets, extranets or via the Internet using TCP/IP

Cleo TN3270 supports TN3270, TN3287, TN3270E and NVT with its own device type sub-negotiation.

Appears to the host as a display LU

- Emulates IBM 3278 monochrome display stations, Models 2-5.
- Emulates IBM 3279 color display stations, Models 2A, 2B, 3A and 3B.

Appears to the host as a printer LU

- Emulates IBM 3287 printer

Customizable Emulation

- MOTIF and character user interfaces
- Configurable user profiles
- Configurable keyboard mapping
- Display emulation color mapping

Centralized Configuration

- Control sessions each user can access.
- Control features each user can employ
- Change configuration with sessions running

Eliminates dedicated 3270 equipment

- Run on multi-tasking and multi-user Unix platforms. Support multi-host connectivity, up to 4,000 simultaneous host sessions per program invocation.

IND\$FILE file transfer supported for CMS, TSO and CICS

- Interactive Access through the user interface
- Batch Access through command line syntax

HLLAPI (High-Level Language Application Program Interface)

Capture 3270 datastream and present in to another program. Present it customized to the user.

CONNECTIVITY

- In host TCP/IP environments, attaches directly with the mainframe via the TN3270 or Network Virtual Terminal (NVT) protocol depending on what the mainframe supports.
- In SNA environments, a TN Server product will be required to connect the SNA mainframe and the TN3270 client.

ENVIRONMENT

Operating Systems:

The following platforms are supported

- AIX
- OpenServer 5
- Solaris, 64 bit Solaris SPARC
- UnixWare
- Linux

Memory: Cleo TN3270 is a client component and its resource requirements are based on capacity number of total simultaneous sessions.

Disk: Requires 15 MB disk storage

Administration: Extensive user control and configurability via text configuration file.

INPUTS

Appears to the host as display and/or printer logical units (LUs) and thus does not require any special host software other than support for TCP/IP.

Accepts the following input data streams with national language support for single byte Latin character sets:

- LU1/SCS (including transparent fields)
- LU3/DSC
- LU2

PERFORMANCE

LU Count License: up to 10 Sessions per running TN3270 execution.

Sockets: Each session consumes one TCP/IP socket.

Kernel Tuning: Kernel tuning information available.

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Diagnostic Tools

- Audit and Error logging
- Message tracing for emulation
- API Tracing for HLLAPI.
- Standard 3270 status line

TN3270 Features

- Support for SYS REQ (System Request) key and ATTN (Attention) key
- LU Naming to specify a specific session
- Associate a printer session to a display
- Bind Image

National Language Support (NLS)

For 16 international character sets; Extended Language Support available

A Trusted Partner

Cleo Communications provides high performance, mission-critical communication products that are used daily by major corporations to operate pharmacy systems, Interactive Voice Response Systems, credit card processing programs, and other applications.

Cleo's over twenty years of experience in this field provides our customers with world-class products and support around the clock and around the world.

For more details or to order Cleo TN3270, contact Cleo today.

ABOUT CLEO COMMUNICATIONS

The leader in the mainframe and midrange communications, Cleo Communications enables today's developers to leverage legacy data into modern applications with ease. Fortune 500 companies rely on Cleo 3270 SNA and TN3270/5250 products for credit card processing, store reporting, Interactive Voice Response (IVR), and other high-volume, mission-critical applications. Cleo's development tools reduce project time, reduce errors, and create portable applications. Support for Windows, Red Hat Linux, Solaris, and other Unix systems, provides the flexibility needed in today's rapidly changing environments. With over twenty years experience and thousands of installations, Cleo delivers on the promise of high-reliability and outstanding technical service.

