tn3270 X Release Notes
Version 3.1.7
May 1, 2006

System Requirements

tn3270 X is supported for OS X version 10.1.5 and later. Use the previous Classic version, 2.5b5, for Mac OS 9 and older versions of the Mac OS. Version 3.1.7 is fully-compatible with OS X 10.4, "Tiger."

Although tn3270 X supports SSL in OS X 10.1.5, it benefits from SSL improvements in OS X 10.2 and later. You may find that you must use OS X 10.2 or later for SSL connections to succeed.

Version 3.1.7 is the last version of tn3270 X which is supported for OS X version 10.1.5. Starting with version 3.2, tn3270 X will require OS X 10.2.8 or higher.

Installation

tn3270 X is a self-contained application, and is distributed using a disk image (.dmg) file. To install tn3270 X, mount the disk image, and drag tn3270 X to a convenient location. Alternatively, you can drag the entire disk image, while holding down the Option key, to create a folder with the set of distribution files. To install the optional Bitstream Vera fonts, follow the installation directions in the Bitstream Vera folder.

When installing a new version of tn3270 X, be sure to remove any older versions you may have. When older versions are present, the Finder may launch one of them instead of the latest version. If you want to save older versions on your hard drive, keep then in a form which is not executable. For example, save the .dmg files the older versions were distributed on, use Disk Utility to create your own .dmg files, or compress the older executables.

Major New Features in Version 3.1

• SSL support (enabled under "Special" in the "New Session" dialog)

• Support for the standard "Get URL" Apple Event
  This allows tn3270 X to be used as a helper application for "tn3270://" and "telnet://" URLs.

• Support for additional fonts and sizes besides the built-in ones

Notes for Release 3.1

Recent previous releases of tn3270 X have included two versions of the program: the regular version and a "larger fonts" version. Starting with version 3.1, the regular version of tn3270 X supports all the font sizes, so that a separate larger fonts version is no longer needed. Previous settings files will not cause larger fonts to be used, and will have to be re-saved after selecting the desired fonts. Fonts are specified as part of the "Screen Format" settings, found in the "New Session" dialog and under the "Session" menu. Due to the new font and SSL support, settings files saved by tn3270 X version 3.1 and later will not work with previous versions of tn3270 X.

Version 3.1.7 includes support for an additional font, Bitstream Vera Sans Mono. If the font is installed, it will automatically be included in the font list for the Screen Format settings. The font can be installed by copying it from the Bitstream Vera folder on the tn3270 X distribution disk. Copy the .dfont files into Library/Fonts on the boot volume to make them available for all users of the computer, or copy them into Library/Fonts in a user's home folder to provide them to that user. Tn3270 only uses Bitstream Vera Sans Mono, although the other font styles in the family are included as well.

Notes for Release 3.0

In this release tn3270 X no longer stores resources in its resource fork. In order to conform to OS X guidelines, all resources are now stored in data files. This change will only affect users who customize their copies of tn3270 X. This release includes a new version of the KeyMap program, which is used to store new and modified keyboard mappings into a copy of tn3270 X. Due to the change in resource locations, it is necessary to use the new selection "Write resource to application package" in the "File" menu of KeyMap to update a copy of tn3270 X. If you need help performing customizations please post your question on the tn3270 mailing list (see below). Other customizations are still possible, but may require additional steps, depending on the resource editing tool being used.

Detailed Change List

Changes for 3.1.7:
• Fixed a bug which caused tn3270 X to crash if a pending SSL connection is closed.
• Fixed a bug which caused tn3270 X to crash when opening an SSL connection on an Intel Mac (under Rosetta.)
• Added Courier 34 as a large font which is useful for vision problems. It allows a 24-by-80 window to fill a 20" display.
• Added support for the Bitstream Vera Sans Mono font, and included the font on the tn3270 disk image.

Changes for 3.1.6:
• Fixed a Tiger compatibility bug where ending a session by closing its window would cause tn3270 to crash.
• The FKeys menu code was re-written to be theme-compliant.
• The About box now includes a button for opening the tn3270 web page using the default browser.
• The KeyMap program, used for keyboard customization, was updated to version 3.1.3 to fix a minor bug with enabling menus.

Changes for 3.1.4 and 3.1.5:
• Fixed a bug which could cause tn3270 X to crash when an SSL connection is closed.

Changes for 3.1.3
• Fixed a bug which caused SSL connections to fail sometimes under Panther

Changes for 3.1.2
• Restored Cursor Select and the original positions of FKeys Menu items. The net result is that Reset replaces Delete Char in the Fkeys menu and in the double-click settings.
• Improved handling of network events

Changes for 3.1.1
• Added the ability to specify the SSL/TLS protocol level
• A wider range of custom row and column settings is allowed
• Added theme-compliant backgrounds for dialog boxes
• Adjusted the active area of popup menu controls

Changes for 3.1
• Added support for a variety of fonts and font sizes, including new "Screen Format" dialogs
• Fixed various printing bugs
• Added support for the "Get URL" Apple Event
• Replaced "Cursor Select" with "Reset" in the FKeys menu and double-click settings
• Allowed KeyMap to support copies of tn3270 X which have been renamed
• Changed the sound code to play asynchronously in the background (as well as the foreground)
• Improved telnet option negotiation debugging

Changes for 3.0b12
• Eliminated dynamic load errors under OS X 10.1.5
• Adding checking for presence of SSLSetAnyRoot for OS X 10.1.5
• Implemented terminal type and port number in "Special" dialog
• Added SSL error text
• Added 5 min. 10 sec. connection timeout, mainly for SSL handshaking failures
• Fixed a bug with a local copy following an import copy

Changes for 3.0b11
• Various SSL bug fixes

Changes for 3.0b10:
• Initial SSL support, including new "Special" dialog

Changed for 3.0b9:
• Fixed a bug which caused tn3270 X to crash when the host reset a connection
• Fixed a bug in handling network write errors

Changes for 3.0b8:
• Fixed a bug in the network code where termination was not being handled correctly

Changes for 3.0b7:
• Fixed a bug in the network code which could cause tn3270 X to hang

Changes for 3.0b6:
• Fixed a bug with paste when the clipboard contained no text at tn3270 X startup
• Changed the window activation fix to work with multiple sessions
• The New Session dialog now supports paste into the main dialog

Changes for 3.0b5:
• Fixed a bug with font activation for the .dfont file

Changes for 3.0b4:
• Fixed a bug where tn3270X would change the cursor as if a tn3270 X window were present on the screen when the window was collapsed into the dock
• Fixed a Jaguar problem where window activation would move the tn3270 X cursor
• All resources are now stored in data files in the Resources directory of the tn3270 X package folder
• Restored the original tn3270 icons (new OS X icons are still planned)

Known Problems

This version of tn3270 X does not support the following:
> printing in color, and printing using the screen fonts
> 3270 graphics
> Kerberos authentication and encryption
> built-in FTP server

Support is planned for 3270 graphics, and for Kerberos authentication and encryption. Also, updated documentation will be provided. The FTP server from the previous version of tn3270 will not be provided for the OS X version.

Bug Reporting

Please report any bugs you discover. Bugs may be reported by contacting the author directly at peter@pdicamillo.org, or may be reported on the tn3270 mailing list.

New Versions

New versions of tn3270 X will be announced on the tn3270 mailing list, and also made available on the tn3270 home page. New versions will also be listed on VersionTracker, http://www.versiontracker.com, and MacUpdate, http://www.macupdate.com.

Resources

tn3270 mailing list: http://listserv.brown.edu/archives/macintosh-tn3270.html

tn3270 home page: http://www.mac-tn3270.org/

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