VXT Software Version 2.1

Release Notes

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This document provides new and updated information on VXT Version 2.1 software:

- Installation notes
- A summary of new features
- Problems resolved since VXT Version 2.0 software
- Problems and restrictions in VXT Version 2.1 software
- Documentation updates and corrections

Revision/Update Information This is a revised document.

Operating System & Version: InfoServer Version 2.2
OpenVMS VAX Version 5.4–2
OpenVMS AXP Version 1.5
DEC OSF/1 AXP Version 1.2
ULTRIX Version 4.1
SunOS Version 4.1.2
HP–UX Version 8.05
IBM AIX Version 3.1
SCO UNIX Version 3.2.2
with SCO ODT
SCO ODT Development System
Version 1.1

Software Version: VXT Software Version 2.1

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VXT Software Licensing Information

VXT software is installed on a load host and downloaded into the VXT 2000+, VXT 2000, or VT1300 X terminal; the VXT software license applies to the X terminal on which the software is executed, not to the host CPUs in the network.

This software is furnished under the licensing provisions of Digital Equipment Corporation's Standard Terms and Conditions. For more information about Digital's licensing terms and policies, contact your local Digital office.

License Management Facility

VXT software does not provide support for the VMS License Management Facility. A Product Authorization Key (PAK) is not required for the installation or use of this version of the product.

1
Installation Notes

This chapter provides supplementary information to the installation procedures in *VXT Software Version 2.1 Installation and System Management*.

1.1 Installation Documentation

VXT Software Version 2.1 Installation and System Management is divided into sections that cover installation and system management on different operating system platforms. Before installing VXT software, read the section for your host operating system:

- VXT Software on InfoServer Systems
- VXT Software on OpenVMS Systems
- VXT Software on DEC OSF/1 AXP Systems
- VXT Software on ULTRIX Systems
- VXT Software on SunOS Systems
- VXT Software on HP–UX Systems
- VXT Software on IBM AIX Systems
- VXT Software on SCO ODT Systems

1.1.1 VXT System Image Files

VXT Version 2.1 software provides two system image files, plus a VXT loader file for server-based systems (Table 1–1). The system images work on all VXT 2000 windowing terminals.

Table 1–1 System Image Files

OpenVMS	InfoServer	UNIX*	Description
VXT.SYS	VXT.SYS VXT021.SYS	vxt	VXT software
VXTEX.SYS	VXTEX.SYS VXT020.SYS	vxtex	VXT EX software
VXTLDR.SYS	VXTLDR.SYS VXTLDR021.SYS	vxtldr	VXT loader file

*UNIX, DEC OSF/1 AXP, and ULTRIX image file names.

Note that VXT Version 2.1 software image names do not include a version number, except on InfoServer systems. All VXT Version 2.0 software image names included the three-digit version number (020). Previous versions used a four-digit number. For example, Version 1.3 images used 0130. If you have

preconfigured host systems to load a specific version of a VXT image, make sure you use the new naming convention.

To simplify software maintenance on InfoServer systems, each VXT software image has two service names created at installation – with the version number and without (Table 1–1). Terminals can request either image name.

Delete Earlier Versions of VXT Loader

The VXT loader provided with VXT Version 2.1 software supersedes all previous versions. To maintain predictability in loading VXT software, you must delete earlier VXT loader versions.

If you are installing VXT software on an InfoServer system, the installation procedure lets you automatically delete earlier versions of the VXT loader. If you have installed VXT loaders on any host systems, you should also update those loaders.

Keep track of where you install VXT loaders on your network, so they can be easily maintained.

Note

The VXT Version 2.1 loader does not support the loading of VXT Version 2.1 images in host-based mode; host-based images must now be loaded by MOP or BOOTP/TFTP.

The VXT Version 2.1 loader does support the loading of host-based images from pre-Version 2.0 releases, where the terminal has been customized to run this way.

1.2 Installing on OpenVMS Systems

The VXT Version 2.1 kit for the OpenVMS operating system supports both VAX and AXP systems.

Improved Installation Procedure

The new VXT installation procedure for OpenVMS systems has significant changes from previous versions:

- The installation procedure presents all installation options before performing the installation.
- All VXT system images and utilities are installed in a new VXT$LIBRARY directory, created by the installation.
- The installation now supports OpenVMS systems with DECnet/OSI software.
- Support for DECnet X sessions has been revised so that privileges are no longer required for the VXT$SERVER account.
- A VXT application launcher VXT$LAUNCH.EXE has been added to allow users to start remote applications on host systems.
- On OpenVMS AXP systems, DECterm fonts are provided in PCF format.

If you plan to support X window sessions from an OpenVMS host, you must have DECwindows Motif software installed before installing VXT software.

Serving Fonts

If you intend to serve fonts from an OpenVMS system to VXT 2000 windowing terminals, you must install DECwindows fonts before installing VXT software. The VXT software installation procedure checks for the presence of the following directories:

```
DECW$SYSCOMMON:[SYSFONT.DECW.75DPI]
DECW$SYSCOMMON:[SYSFONT.DECW.100DPI]
```

If the installation procedure does not find these directories, it will not install the supplementary DECterm fonts provided by the VXT kit.

Files Installed

If you choose all installation options, the procedure installs the following files on your system:

```
SYS$HELP:VXT021.RELEASE_NOTES
VXT$LIBRARY:VXT021_RELEASE_NOTES.PS
SYS$TEST:VXT$IVP.COM
SYS$STARTUP:VXT$STARTUP.COM
VXT$LIBRARY:VXT$SERVER.COM
VXT$LIBRARY:VXT$LAUNCH.EXE
VXT$LIBRARY:VXT$WSA.EXE
VXT$LIBRARY:VXT$CONFIG.XRM.COM
VXT$LIBRARY:VXTEX.SYS
VXT$LIBRARY:VXT.SYS
VXT$LIBRARY:VXTLDR.SYS
VXT$LIBRARY:VXTLDR1.SYS
DECW$SYSCOMMON:[SYSFONT.DECW.75DPI]TERMINAL*.DECW$FONT
DECW$SYSCOMMON:[SYSFONT.DECW.100DPI]TERMINAL*.DECW$FONT
```

1.3 Installing on DEC OSF/1 AXP, ULTRIX, or UNIX Systems

VXT Version 2.1 System Image Names

The VXT software kit for UNIX systems uses the following file names for the VXT system images:

- vxt
- vxtex
- vxtldr

Improved Installation Script Format

The new VXT installation script for UNIX systems asks all questions before performing the installation. After you answer the questions, the installation requires no further attention.

The installation kit now comes in two files on a single tape. The first file contains the installation script. The second file contains the VXT software files for installation.

Installing from Tape

If you are installing from tape, you must use a **nonrewinding** tape device instead of a rewinding tape device. If you do not use a nonrewinding device, an error will occur after you answer the installation questions.

Here are some examples of rewinding and nonrewinding tape devices:

Operating System	Nonrewinding	Rewinding
ULTRIX, DEC OSF/1 AXP, SunOS, BSD	/dev/nrmt0h	/dev/rmt0h
SCO	/dev/nrct0	/dev/rct0
IBM AIX	/dev/rmt5.1	/dev/rmt5
HP–UX	/dev/rmt/0mn	/dev/rmt/0m

Here are sample installation commands using /dev/nrmt0h as the tape device:

```
# tar xf /dev/nrmt0h
# install.sh /dev/nrmt0h
```

Extracting tar Files from Tape

If you are extracting the tar files from the tape to perform installations from disk or over the network, you must extract *both* installation files. For details, see the installation chapter for your operating system in *VXT Software Version 2.1 Installation and System Management*. You should call the first file VXT-2.1.tar1 and the second file VXT-2.1.tar2.

Installation from Disk or CD–ROM

The following example assumes that you extracted the tar files using the recommended names, VXT-2.1.tar1 and VXT-2.1.tar2. The example uses the path /usr/vxt; substitute the actual path you use.

```
#  tar xf /usr/vxt/VXT-2.1.tar1
#  install.sh /usr/vxt/VXT-2.1.tar2
```

Note that you use the tar command to extract from the first file and run install.sh on the second. If you run install.sh on the first file, you will get an error after you answer the installation questions.

New vxtlaunch Subset Provided for VXT Application Launcher

The installation kit includes a new vxtlaunch subset for the VXT application launcher utility. The utility allows users to launch remote host applications from a VXT 2000 windowing terminal.

Incompatibility Among BOOTP Daemons

VXT software provides a BOOTP daemon. Digital recommends that you install the VXT BOOTP daemon only if your host system does not provide a BOOTP daemon. The format of the BOOTP configuration file varies on different systems.

Installing Compiled Fonts

If you use compiled fonts, you no longer need to install them in an empty directory as with previous VXT software versions. However, be careful when installing fonts in a directory with existing fonts.

- If you install fonts that have the same name as existing fonts, the new fonts replace the existing fonts.
- The installation replaces the fonts.alias file. You must back up existing aliases and merge them with the new fonts.alias file.

- The installation replaces `fonts.dir`, so any additional fonts are no longer found by the terminal. To correct this problem, run `mkfontdir` (or `dxmkfontdir` on ULTRIX systems) in all directories with additional fonts. The Installation Verification Procedure (IVP) notes any directories that contain additional fonts. Perform this step for all font subsets installed (100dpi, 75dpi, and misc).

Solaris Operating System

The Solaris operating system is not a supported platform for VXT software. However, instructions are available on request for editing the VXT installation script to install VXT Version 2.1 software on a Solaris system.

Solaris Version 2.2 software supplies compressed PCF fonts that the VXT 2000 windowing terminal can use without conversion. The fonts are in the following directories:

```
/usr/openwin/lib/X11/fonts/100dpi
/usr/openwin/lib/X11/fonts/75dpi
/usr/openwin/lib/X11/fonts/misc
```

To use these fonts on the terminal, you would set your font path to these directories in the Customize Font Path dialog box.

1.4 Installing on InfoServer Systems

VXT Version 2.1 software requires InfoServer Version 2.2 or later software. VXT Version 2.1 software has been qualified with InfoServer Version 3.0 software.

Installing and Getting Started Guide in Six Languages

The VXT Version 2.1 kit for InfoServer systems provides the online *VXT 2000+/VXT 2000 Windowing Terminal Installing and Getting Started* guide in English, French, German, Spanish, Italian and Dutch. The guide is part of the InfoReader library of online VXT documentation.

The CD-ROM also provides VXT documentation in PostScript format. The CD-ROM is in the OpenVMS disk format (ODS 2), so you can print the documentation from an OpenVMS system.

VXT System Images Installed with Multiple Service Names

VXT Version 2.1 software adds support for MOP loading of VXT images from an InfoServer system, for host-based operation.

To support loading with the LASTport or MOP transports, the installation procedure installs the VXT.SYS and VXTEX.SYS images under several service names. This does not increase the installation time or disk space requirements.

Removing InfoReader Documents from the InfoServer

The VXT Version 2.1 installation procedure automatically installs the InfoReader library of online VXT documentation. If you have several InfoServer systems, you may want to serve the InfoReader library from one InfoServer system. You can delete all InfoReader documents from an InfoServer system with the following command:

```
InfoReader> DELETE PARTITION DK1:VXT_IR_*_021
```

Installation Notes
1.4 Installing on InfoServer Systems

Evaluating VXT Version 2.1 Software Before Making It the Network Default

If you want to evaluate VXT Version 2.1 software on a few terminals before making it the network default, Digital recommends you perform the following InfoServer commands before installing the software. Do not rely on the VXT installation script questions for this task.

1. Before the installation, temporarily disable the InfoServer.
2. Install the VXT Version 2.1 software.
3. Delete the default VXT service names. (If you need these service names for your current VXT software version, you can create them again after this procedure).
4. Make the InfoServer available again.

Here is a sample InfoServer command sequence to perform these steps:

```
InfoServer>  SET SERVER STATE OFF
InfoServer>  UPDATE VXT DK1:
InfoServer>  DELETE SERVICE VXTLDR CLASS MOP
InfoServer>  DELETE SERVICE VXTLDR1 CLASS MOP
InfoServer>  DELETE SERVICE VXT%%%.SYS CLASS VXT_SYSTEM
InfoServer>  DELETE SERVICE VXT%%0 CLASS MOP
InfoServer>  DELETE SERVICE VXT%%I CLASS MOP
InfoServer>  SET SERVER STATE ON
InfoServer>  SAVE
```

Current users will see a message on their terminals while the InfoServer state is off, but the message will clear when the InfoServer state is turned on.

Booting VXT Version 2.1 Software from the >>> Prompt

You can load a VXT software image into an individual VXT terminal by entering a BOOT command at the terminal's >>> prompt. You can use this method to evaluate a new version before making it the network default.

You can use the following command sequences to load VXT Version 2.1 or VXT EX Version 2.0 software.

VXT Version 2.1 Software

Server-Based Mode

```
>>>  B/101
Bootfile:  VXTLDR
VXTLDR>  VXT.SYS
```

Host-Based Mode

For host-based mode, the terminal needs 10 megabytes of memory.

```
>>>  B/100
Bootfile:  VXT
```

VXT EX Version 2.0 Software

Host-Based Mode

```
>>>  B/100
Bootfile:  VXTEX
```

You can also use the terminal's Customize Boot dialog box to load a particular version of VXT software. See *VXT 2000+/VXT 2000 Windowing Terminal User Information*.

Using VXT Software with InfoServer Version 3.0 Software

If you are installing VXT software on an InfoServer system running InfoServer Version 3.0 software, make sure that a remote device is enabled. This allows VXT software to create terminal resource files, work group files, paging files, and font files on the InfoServer system. To view the current list of remote devices, enter the following InfoServer command:

```
InfoServer>  SHOW SERVER
```

If the list of remote devices is empty, enable the read/write disk (normally DK1) as a remote device. For example:

```
InfoServer>  SET SERVER REMOTE DEVICES DK1 ENABLED
InfoServer>  SAVE
```

Preconfigured Boot of VT1300 Terminals with InfoServer Version 3.0 Software

InfoServer Version 3.0 software lets you associate an Ethernet address with a partition for MOP loading functions. This feature is useful for VT1300 terminals. You can use this feature to load the VXT loader or the VXT EX image in host-based mode.

To use this feature, you must create a permanent partition on the InfoServer system for each image to be served this way. After you install VXT software, copy the desired VXT software image to a private partition. You must perform these steps each time you update VXT software.

Example

The following example creates a partition to contain the VXT loader, for loading VXT server-based software into a VT1300 terminal with an Ethernet address of 08-00-2B-11-22-33:

```
InfoServer>  SET SERVER STATE OFF
InfoServer>  CREATE PARTITION DK1:VT1300_LOADER BLOCK 1000
InfoServer>  COPY DK1:VXTLDR.SYS DK1:VT1300_LOADER
InfoServer>  SET SERVER STATE ON
InfoServer>  CREATE SERVICE MOP$08002B112233 FOR DK1:VT1300_LOADER -
           CLASS MOP
InfoServer>  CREATE PARTITION DK1:XXXXZZZZ BLOCKS 10
InfoServer>  DELETE PARTITION DK1:XXXXZZZZ
InfoServer>  SAVE
```

Note

The creation and deletion of partition *XXXXZZZZ* above is a temporary workaround for InfoServer Version 3.0 software. For more information, see Section 4.5.

For more information on creating partitions, see the *InfoServer Version 3.0 Operations Guide*.

2
New Features

This chapter briefly describes the new features in VXT Version 2.1 software. For details, see *VXT 2000+/VXT 2000 Windowing Terminal User Information* and *VXT Software Version 2.1 Installation and System Management*.

X11R5 X Server

VXT Version 2.1 software implements the MIT X Version 11 Release 5 (X11R5) server.

Host-Based Resource Files

In TCP/IP environments, you can now use your own host-based resource files to manage customized settings for VXT 2000 windowing terminals. The VXT installation kit provides a template file. Terminals can use the TFTP or NFS transports to read your resource files from the host. See *VXT Software Version 2.1 Installation and System Management* for details.

VXT Application Launcher for Host Applications

The VXT application launcher lets terminal users start remote applications that reside on host systems. You must install the VXT application launcher on the host system providing the application. Users must run the VXT application launcher before entering the commands to launch applications. See *VXT 2000+/VXT 2000 Windowing Terminal User Information* for command syntax.

rsh Support

TCP/IP users can use `rsh` (remote shell) to start local VXT applications from a remote host. See *VXT 2000+/VXT 2000 Windowing Terminal User Information* for command syntax.

NFS Support

VXT Version 2.1 software supports the NFS transport for reading fonts and host-based resource files. You can enter 10 NFS mount points.

Font Server Support

VXT Version 2.1 software supports the X11R5 font server for font services.

Additional Font Formats and Expanded Font Acess

VXT Version 2.1 software supports the PCF, DECwindows SNF, BDF, Type1, and Speedo font formats.

You can enter font paths to access fonts from multiple hosts over multiple transports. Use the Customize Font Paths dialog box (Terminal Manager window, Customize menu).

Software Options and Memory Use

You can use the Customize Software Options dialog box (Terminal Manager window, Customize menu, Startup submenu) to choose which VXT software options are loaded. Disabling unused features increases the memory available for other features.

New Features

Improved Installation on UNIX Systems

The new VXT installation script for UNIX systems asks all questions before installing files. The installation kit is in two files on a single tape. Carefully read the installation chapter in *VXT Software Version 2.1 Installation and System Management* for your operating system before installing.

Improved Installation on OpenVMS Systems

The VXT software kit for OpenVMS systems has improvements to ease installation and to install on systems using DECnet/OSI software.

Sun Style Keyboard

The VXT 2000 windowing terminal now supports a Sun style keyboard (LK460).

Hebrew Supported in VXT DECterm Windows

VXT DECterm windows support the Hebrew language. To choose the Hebrew language, see Section 5.2.

3
Problems Resolved

This chapter describes problems resolved since VXT Version 2.0 software.

3.1 Loss of Characters on the Serial Port

Previously, the VXT 2000 windowing terminal's serial port might lose input characters at receive speeds above 2400 baud. VXT Version 2.1 software corrects this problem.

3.2 Remote Management of Terminal Settings in NVRAM

You can now manage all terminal resources from the VXT configuration manager or from your own host-based resource files. Previously, you could not remotely manage some terminal resources stored in the terminal's NVRAM:

- Primary boot image name and MOP trigger password (Customize Boot dialog box)
- LASTport group code
- DECnet address (for terminals running in host-based mode)
- IP address

4
Known Problems and Restrictions

This chapter describes restrictions that apply to VXT Version 2.1 software.

4.1 Save Under Support and Memory Use

By default, VXT software has the save under feature enabled. This setting can cause low-memory problems in host-based VXT 2000 windowing terminals. For example, pulling down menus may cause low-memory warnings or actions. To disable the save under feature, turn off the Backing Store button in the Customize X Server dialog box (Terminal Manager window, Customize menu).

4.2 VXT Images Are Not Interchangeable

After you install VXT system images, you cannot interchange them between host systems and InfoServer systems.

4.3 DECnet Support and VXT Loader

If you use the DECnet transport with server-based terminals, make sure you use the VXT loader supplied with VXT Version 2.1 software. The DECnet transport will not work if you load VXT Version 2.1 software with a Version 2.0 or earlier VXT loader.

4.4 Booting Host-Based Mode from InfoServer Systems

Prior to VXT Version 2.0 software, you could use the VXT loader to load a host-based VXT image across bridges that filtered MOP. The VXT loaders provided with VXT Version 2.0 and later software cannot load VXT Version 2.0 and later images in host-based mode. You must use the MOP or TFTP transports.

If you have been using the VXT loader to load earlier host-based VXT images, you must now ensure that the VXT Version 2.1 images are installed where they can be loaded using TFTP or MOP. For TFTP, you need a VXT software kit for UNIX systems. For MOP, you need a VXT software kit for OpenVMS systems. The VXT software kit for OpenVMS systems is also included on the CD–ROM for InfoServer systems.

Customize your terminal to load by MOP or BOOTP before loading VXT Version 2.1 software in host-based mode.

For backward compatibility, the VXT Version 2.1 loader will load host-based images from pre-Version 2.0 releases.

4.5 InfoServer Loading Using MOP by Ethernet Address

Section 2.5.2 in the InfoServer System Management chapter of *VXT Software Version 2.1 Installation and System Management* describes how you can use InfoServer Version 3.0 software to load VXT software by specifying the terminal's Ethernet address.

There is a problem with InfoServer Version 3.0 software that delays the actual creation of MOP services until the InfoServer system's internal cache has been flushed. When configuring your InfoServer system to load VXT terminals by Ethernet address, you need to add a step to the procedure described in Section 2.5.2:

```
InfoServer>  ...other commands...
InfoServer>  CREATE PARTITION DK1:XXXXZZZZ BLOCKS 10
InfoServer>  DELETE PARTITION DK1:XXXXZZZZ
InfoServer>  ...other commands...
```

Creating and deleting the dummy *XXXXZZZZ* partition causes the InfoServer system to flush its internal cache and complete the creation of any other MOP partitions. This problem will be corrected in a later version of InfoServer software.

4.6 Managing Work Group and Terminal Customizations

Some new features in VXT Version 2.1 software require changes to customizations in earlier versions. When you load VXT Version 2.1 software, the changes are made automatically. When you save customizations, both the old and the new customizations are maintained.

VXT Version 2.1 software can support terminals running different versions of VXT software in the same work group. In this case, however, you should manage terminals from a terminal that runs the same version of VXT software. This restriction applies to both terminal and work group customizations.

4.7 Creating an IP X Session May Fail if the Mouse Is Moved

An attempt to create an IP X session can fail if you move the mouse or start a window manager while the session is being opened. This problem occurs because the remote X display manager (XDM) on the host system needs to control the keyboard and the mouse pointer for security purposes while the session is being created; if this fails, the remote XDM does not display the login box.

4.8 Host-Accessible Printing Using TCP/IP or LAT

No Print Failure Messages if Network Printing Disabled at Startup

If you do not load the Network Printing option for a terminal, the VXT Message Box will not display ''print request from node *xxxx* rejected'' messages when you try to print a job from a host. These messages are generated by the net print process, which is only started if network printing is enabled. The Network Printing option is in the Customize Software Options dialog box (Terminal Manager window, Customize menu); your setting takes effect when you boot the terminal.

4.9 VXT Server

Pixmap Allocation for Color and Gray Scale VXT Terminals

On VXT 2000+/ VXT 2000 color and gray scale models, the pixmap size is limited to a pixmap area that is no larger than the screen area; the pixmap width can be no greater than 2016 pixels. Clients requiring larger pixmaps must be prepared to deal with a pixmap allocation failure error from the X server. This limitation does not exist on monochrome VXT terminals.

Bitmap for Monochrome Pointer Restricted to 16×16

If a client on a monochrome system requests a bitmap for the pointer greater than 16×16, the bitmap is truncated to 16×16.

4.10 VXT EX Software—Keyboard Maps

VXT EX software provides keymap support for the U.S. LK401 keyboard. You can load other keymaps from a host session manager.

4.11 VXT EX Connection Box May Display Incorrect Data (Server-Based Mode)

If you switch from full-function VXT software to VXT EX software on a color terminal in server-based mode, the VXT EX connection box may display erroneous data in the text-entry fields. To make a connection, delete the erroneous data and enter the correct information.

4.12 Fonts

The following restrictions apply to fonts:

- Displaying the following 24-point DECwrite font on a color or grayscale VXT terminal may cause the terminal to hang:

  -dec-decwrite pictures-medium-r-normal–24-240-100-100-p-80-dec-fontspecific

  You can avoid this problem by removing the font from the default font path. On OpenVMS systems, this font is in the following location:

  SYS$COMMON:[SYSFONT.DECW.USER_100DPI]DECPIC24_100.*

- Sun Open Look fonts may not display if the fonts are served over the LAT transport from an OpenVMS AXP system. The fonts will display correctly if they are moved to an InfoServer system, using the Configuration Manager: Font Management dialog box.
- Type1 scalable fonts currently do not display if they are served from an InfoServer system over the LASTport transport. You can use the other supported transports (font server, NFS, or TFTP) to display these fonts.
- Speedo fonts take several minutes to display if served over the TFTP transport. Use either a font server or the NFS transport to serve these fonts.
- Certain DECpresent bullet fonts may not display if served from a font server. You can use one of the other supported transports (NFS, TFTP, LASTport, or LAT) to display these fonts.

Known Problems and Restrictions
4.12 Fonts

- The X server display scaling feature (Customize X Server dialog box) may not work if fonts are served from a font server. The X server display scaling feature works correctly when you server fonts over one of the other supported transports (NFS, TFTP, LASTport, or LAT).

5
Documentation Updates and Corrections

This chapter provides updates and corrections to *VXT Software Version 2.1 Installation and System Management*.

5.1 Supported Platforms—Version Numbers

VXT Software Version 2.1 Installation and System Management lists the minimum version required for each supported operating systems. For more information, see the VXT Software Product Description.

VXT Version 2.1 software supports SCO UNIX Version 3.2.2 with SCO ODT software.

5.2 Hebrew Language Support for VXT DECterm Windows

To choose Hebrew language support for VXT DECterm windows:

1. In the Customize Language dialog box (Terminal Manager window, Customize menu) choose Hebrew, then reboot the terminal.
2. In the Customize Keyboard dialog box, change the Keyboard Type setting to LK401-AT (Hebrew keyboard).
3. In a VXT DECterm window, pull down the Options menu and choose General. In the General dialog box, choose the following settings:
   - 7-Bit NRCS Characters
   - Cursor direction Right to Left

To display Hebrew characters, press Ctrl Hebrew on your LK401-AT model keyboard. On other keyboards, press Ctrl Compose.

Unshifted keys will display Hebrew characters, and shifted keys display Latin characters. To display only Latin characters, press Ctrl Hebrew again.

If you want to allow Hebrew characters in Motif window titles, you can modify the setting for the Mwm*fontList: resource in a host-based resource file, as follows:

```
Mwm*fontList: -*-NarkissTam-Bold-R-Normal--*-120-*-*-*-*-ISO8859-8
```

See *VXT Software Version 2.1 Installation and System Management* for information on using host-based resource files.

When you use the Hebrew language, you should also choose the **For international keyboards, ignore the Mod keys** button in the Workspace:Options dialog box. This setting will allow you to use normal window manager functions. See the Customizing Windows chapter in *VXT 2000+/VXT 2000 Windowing Terminal User Information*. When you choose this setting, the terminal ignores modifier keys such as the Ctrl key. This change does not affect the Alt and top-row function keys.

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