ENVOS NOTECARDS 1.1, BETA RELEASE OF DOCUMENTATION

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2. SYSTEM REQUIREMENTS

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This chapter outlines the hardware and system requirements for running NoteCards on a Sun Workstation. It also describes the contents of the software release and documentation provided.

Prerequisites

1

Processor Hardware

1

 $$\operatorname{\textsc{NoteCards}}$  runs on Sun 3 and Sun 4 workstations. It runs on both standalone workstations and diskless workstations linked to servers.

NoteCards on the Sun 3 workstation requires the MC68881 floating point coprocessor chip; all Sun 3 workstations are currently sold with this chip. On the Sun 4 workstation, the Weitek 1164/1165 coprocessor is optional.

For adequate performance, we recommend at least a 20MHz 68020 (Sun 3/60 or 3/260), or a 14MHz SPARC (Sun 4/110 or 4/260). Memory

1

You can expect reasonable interactive performance with 8 megabytes or more of RAM. Smaller configurations of diskless workstations have been tested, but performance suffers. Swap Space  $^{1}$ 

NoteCards requires 45 megabytes of swap space for its own use. NoteCards reserves this space at startup, but its requirement does not grow. Disk Space 1

You need a minimum of 16 megabytes of disk file space for loading the software from tape, and an additional 1 megabyte of disk file space (on the file system where the installation is taking place) to install and configure the NoteCards image. The 16 megabytes of disk space needed for the NoteCards software can be broken down as follows:

NoteCards sysout 7 Mb

Fonts 7 Mb

Byte code emulator 2 Mb

Input/Output Devices

1

NoteCards gives you access to the Sun's input/output devices, such as display, keyboard, mouse, and file systems. It also provides access to PUP and XNS Ethernet services directly. Bitmap Display

NoteCards only runs on machines with either monochrome displays or color displays that can be operated in single-bit-per-pixel mode. NoteCards supports both the standard resolution display (1152 x 900) and the high-resolution display (1600 x 1280). Printers 1

For hardcopy output, NoteCards allows you to print to a Postscript printer, via NFS, or to a Xerox Interpress or Press printer, via PUP/XNS. Tape Access

For installation you need a 1/4-inch cartridge tape, located locally or on a remote machine. Operating System Requirements

NoteCards on the Sun 3 workstation requires SunOS operating system versions 3.2, 3.4, 3.5, or 4.0. On the Sun 4 workstation, NoteCards requires SunOS version 4.0. Note: NoteCards XNS Ethernet code cannot be run simultaneously with SunOS 3.5 Kernel XNS Ethernet code.

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Constraints
Resource Constraints
When NoteCards is running, it takes over the entire display screen. Other window systems such as
suntools are unavailable.
Shared Sun Workstations
NoteCards runs its own process scheduler; NoteCards is always running as far as the UNIX
scheduler is concerned. For this reason, other heavy computational jobs on the same Sun
Workstation will not get as good performance as they would competing with conventional UNIX
interactive environments.
Similarly, NoteCards may not have adequate interactive performance if it is competing with other
compute-bound processes.
For these reasons, we recommend that NoteCards be used on machines that are set up primarily for
a single user.
Release Contents
The release distribution contains the following documentation and software.
Documentation
The NoteCards documentation kit contains
        Envos NoteCards User's Guide
        NoteCards Release Notes
        A User's Guide to TEdit
        A User's Guide to Sketch
  Sun Type 3 and Type 4 keyboard templates
Software
                The software release comes on a 1/4-inch tape cartridge. The software release is
specific to the Sun architecture (Sun 3 or 4) for which you purchased NoteCards, but contains
multiple SunOS versions. This tar tape contains the following directories:
        ./install.sunos3.mc68020
                                         Contains makefile, lde.o, ldeether.c, lde, ldeether,
usersubrs.c for SunOS 3.x.
        ./install.sunos4.mc68020
                                         Contains makefile, lde.o, ldeether.c, lde, ldeether,
usersubrs.c for SunOS 4.x.
        ./install.sunos4.sparc Contains makefile, lde.o, ldeether.c, lde, ldeether, usersubrs.c
for SunOS 4.x.
                        Contains the sysout, notecards.sysout
./lisp Contains demo.NOTEFILE, the example notefile, init.NoteCards, the standard NoteCards system initialization file, and various post-release patches to the NoteCards system.
        ./fonts Contains the font directories.
        ./checksumdir Contains ldechecksum, checksum, and X.sum, checksum files and README file.
Table 2-1 shows the organization of the font directories, as well as the descriptions and
contents of the directories.
Table 2-1. Font Directories
Directory Name Description Font Families Font Types
./fonts/display/presentation All presentation fonts Helvetica
                                        Font Families Font Types
                                                                          sans serif
                                       for display and user as 8, 10, 12 MRR
./fonts/interpress/presentation
                                                                 Gacha monospace screen font in
                interface applications
                        Times Roman
                                         serif
./fonts/display/publishing
                               All publishing fonts for
                                                                 Classic serif; in all character sets,
./fonts/interpress/publishing character sets, foreign sizes, faces characters, and techni- Modern sans serif; in all character
                                        sets, faces, but with
                cal alphabets
                                 selected sizes
                        Terminal
                                        monospaced, in all
                                character sets, faces,
                                but with selected sizes
./fonts/display/printwheel All printwheel fonts BoldPS proportional serif ./fonts/interpress/printwheel for word processing LetterGothic monospaced sans serif
                applications
                               Titan monospaced serif
./fonts/display/JIS1 Japanese Kanji fonts, Classic point sizes 8 through 24
./fonts/interpress/JIS1
                                character set 1
./fonts/display/JIS2 Japanese Kanji fonts, Classic point sizes 8 through 24
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./fonts/interpress/JIS2
                                              character set 2
                                                                                Classic point sizes 12 and 24
./fonts/display/chinese
                                               Chinese character
                                              fonts Modern 12 point
./fonts/interpress/chinese
./fonts/display/miscellaneous Miscellaneous fonts
                                                                                 ClassicThin
                                                                                                        brackets and parentheses
                                                          for nonstandard and
 ./fonts/interpress/miscellaneous
                                                                                                         in 16, 20, 26, 30 points
                       rare applications
                                                          Hippo
                                                                     Greek
                                   Logo
                                              Xerox logo
                                   Math
                                              math symbols
                                   OldEnglish
                                                         point sizes 10 and 18
                                   Symbol math symbols
                                   Tonto
                                              thick monospaced, 14 point
                                              MRR
./postscript
                       All the postscript fonts
./fonts/press All metric information for Press printers.
                       If you do not use some of these files, you may choose to delete them after Alternately, you might selectively tar off only those files/directories of
interest (see your UNIX documentation). For example, most sites might not use Chinese fonts, or
Interpress/Press printers, so the directories ./display/chinese, ./interpress, and ./press would
be candidates for deletion.
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