

Q: Where can I find administrative information, error logs, etc. in NEXTSTEP?

## Getting User Information

- console
- **/usr/adm/messages**
- NMI Monitor (NeXT hardware only)
- UNIX Accounting

## Finding Information On-Line

- Digital Librarian
  - UNIX Manual Pages
  - NeXT Manuals
    - Network and System Administration
    - Developer Documentation

## User Documentation

### - Release Notes

- Header Files (in **/usr/include**)

- NeXTanswers

- UNIX **man(1)** command

- UNIX Manual Pages

- 1 User-level commands

Commands used by ordinary UNIX users

**ls, vi, csh**

- 2 System calls

Low-level system facilities

**open(), pipe(), fork()**

- 3 Library calls

Higher-level, frequently-used facilities

**fopen(), printf(), malloc(), cos()**

4 Device interfaces

Information about accessing, controlling (usually) I/O devices

sg, sd, null

5 File formats

What various system files look like  
aliases, Mach-O, dumpdates, fstab

6 Games

Not shipped

7 Miscellaneous

Stuff which belongs nowhere else  
ASCII collating sequence, xroff macros

8 Maintenance commands

Commands used to administer the system  
**su, dump, ifconfig, ping**

# The UNIX File System and NFS

- Hierarchy
  - / File system root directory
  - bin** Standard binaries
  - dev** → **/private/dev**
  - etc** → **/private/etc**
  - usr** User-related things
    - bin** More binaries
    - ucb** Berkeley extensions to V7
    - etc** Other things (executable)
    - adm** → **/private/adm**
    - lib** Libraries
    - local** Local enhancements
    - ...
  - private** Local files
    - adm** Administrative stuff

<b>dev</b>	Device special files
<b>etc</b>	Local configuration files
<b>tmp</b>	Temporary file storage
...	
<b>tmp</b>	→ <b>/private/tmp</b>
<b>lib</b>	More library stuff
<b>lost+found</b>	Files <b>fsck(8)</b> <sup>a</sup> reconnected <sup>o</sup>

- File system integrity
- NFS  $\exists$  the Network File System
  - <sup>a</sup>Transparent<sup>o</sup> network file access
  - Heterogeneous, multi-vendor (including non-UNIX)
  - Mount options: rw, hard, bg, intr

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Valid for 1.0, 2.0, 3.0, 3.1

