

## 3.2 Release Notes: DOS file system

This file contains information about working with a DOS file system in Release 3.2.

### **New Features**

The following feature has been added to the DOS file system since Release 3.0.

- Support for reading and writing DOS hard disk drives

### **Known Problems**

The following are known problems in the DOS file system. They will be corrected in a future release.

- 2.88 megabyte DOS floppy disks are still not supported.
- Formatting DOS hard disk drives is not supported.

- You can't copy a file with a name longer than the standard length supported by DOS from a NEXTSTEP file system to a DOS file system. Before copying the file, rename it so it has fewer than eight characters plus a three-character extension.
- The DOS file system doesn't support links (either hard or symbolic). Attempts to create links will result in EINVAL (Invalid argument) errors.
- The DOS file system doesn't support renaming ("mv") across directories. For example, the UNIX command "mv dir1/file1 dir2/file1" results in an EINVAL error
- The DOS file system doesn't support different permissions for owner, group, and world. There is only one attribute bit, "read only," which can be set by the user, and this can only be set when the file is created. Also, no owner is associated with a file; an "ls -l" on an DOS disk will show the owner to be **root**. This also means that you can't run UNIX executable programs in a DOS file system.