

# *File-System Implementation*



## Review Questions

### Section 11.1

- 11.1 True or False? Disk blocks are made up of one or more sectors.
- 11.2 What is the name of the standard Linux file system?
- 11.3 What is the UNIX term for a file control block?

### Section 11.2

- 11.4 True or False? UNIX treats a directory exactly the same as a file.
- 11.5 What does the acronym VFS refer to?

### Section 11.3

- 11.6 What are the two general approaches for implementing a directory?

### Section 11.4

- 11.7 Provide at least two different approaches for allocating disk blocks to files.
- 11.8 (Section 11.4) True or False? The UNIX inode is an example of linked allocation.

### Section 11.5

- 11.9 What would the bit vector appear as if blocks 0, 3, 4, and 6 were free?

### Section 11.6

- 11.10 What two forms of I/O are stored in a unified buffer cache?

### Section 11.7

- 11.11 What is the name of the consistency checker program for UNIX systems?

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**11.12** True or False? If a system crashes, all transactions in the log file were not completed to the file system.

**Section 11.8**

**11.13** What are the two protocols associated with NFS?

**Section 11.9**

**11.14** What does the acronym WAFL stand for?