

CMSC 412 Vocabulary

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- /proc
- ACID
- Belady's anomaly
- C-SCAN
- DMA
- FCFS
- GPL
- LOOK
- Little's law
- MMU
- PCB
- RAID
- SCAN
- SSTF
- TLB
- affinity
- atomicity
- banker's algorithm
- best-fit allocation
- bit
- block device
- bottom-half interrupt service
- brk system call
- buffer
- buffer cache
- byte
- byzantine fault tolerance
- byzantine generals
- capabilities
- character device
- circular wait
- close system call
- condition variable
- consistency
- context switch
- copy-on-write
- core dump
- critical section
- deadlock
- device driver
- dining philosophers
- direct block
- directory (file system)
- dirty bit
- disk mirroring
- disk striping
- durability
- dynamic linking
- effective UID
- exclusive lock
- exec system call
- exit system call
- external fragmentation
- file
- file descriptor
- file metadata
- file pointer
- first-fit allocation
- flow control
- fork system call
- four conditions of deadlock
- hard link
- hold-and-wait
- indirect block
- inode
- internal fragmentation
- interrupt coalescing
- interrupt-driven I/O

- inverted page tables
- ioctl system call
- isolation
- kernel modules
- kill system call
- locality
- log structured file system
- memory-mapped files
- microkernel
- multilevel feedback queue scheduling
- munmap system call
- named pipes
- open system call
- page cache
- page fault
- page frame
- paging
- paravirtualization
- physical address
- pipe system call
- policy, mechanism separation
- popen system call
- priority inheritance
- priority inversion
- process
- programmed I/O
- protection
- race condition
- random access
- read system call
- read lock
- reentrant
- roll-back
- scheduler activation
- seek system call
- segmentation
- select system call
- semaphore
- sequential acces
- serializable (in transactions)
- shared lock
- shell
- signal system call
- socket
- soft link
- spinlock
- spool
- stack frame
- static linking
- superblock
- thrashing
- thread
- time quantum
- top-half interrupt service
- transaction abort
- transaction commit
- two-phase commit
- two-phase locking
- utilization
- virtual address
- virtual machine
- virtual memory manager
- virtualization
- wait system call
- waitpid system call
- word
- write lock
- write system call
- writev system call
- zombie