



## SOLUTIONS

Readers can have concurrency while only one writer can perform any operation when it is being executed

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There is risk of starvation (a process never enters in the critical section)

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Improves computer energy efficiency

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Only the Operating System can set these registers

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Signals

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Provides hardware support to the OS memory management

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When fork() is executed, an identical copy of its address space is created as well as its PCB.

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When page tables are too large due to a large logical address space, the two-level algorithm can be used to split the page table into smaller pieces.

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To improve performance by sending some processes to swap area

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Doesn't contain a pointer to an i-node

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It is a way to implement code.

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Always

### Autotest

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Executes an specific service.

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switches the execution of the processes so fast that the user believes to be interacting with them as if it was in parallel.