Dispatcher

Definitions

Dispatcher

The dispatcher is a module that gives control of the CPU to the process selected by the short-term scheduler.
This function involves the following:

- Switching context
- Switching to user mode
- Jumping to the proper location in the user program to restart the program

Desired Properties

The dispatcher should be as fast as possible, since it is invoked during every process switch.

Dispatch Latency

The time it takes for the dispatcher to stop one process and start another running is known as the dispatch latency.

Sources

Operating System Concepts

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Another component involved in the CPU-scheduling function is the dispatcher.
The dispatcher is the module that gives control of the CPU to the process selected
by the short-term scheduler. This function involves the following:
• Switching context
• Switching to user mode
• Jumping to the proper location in the user program to restart that program
The dispatcher should be as fast as possible, since it is invoked during every
process switch. The time it takes for the dispatcher to stop one process and
start another running is known as the dispatch latency.
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> http://localhost:3000/pdfs/Abraham%20Silberschatz-Operating%20System%20Concepts%20(9th,2012_12).pdf#page=289

> Context Switch, Card Dispatcher