

## Re: Multitasking and containers

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Dmitry A. Kazakov wrote:

2. Using a protected object's procedure/entry would kill concurrency by serialization of the action to undertake.

There is a difference between "synchronizing access to a shared resource" and "waiting for a resource to become available".

Calling a protected function or procedure is an example of the former. Calling a protected procedure would hardly "kill concurrency". In a monitor there is only synchronization. (I think it's the case that the task stays in a running state.)

Calling a protected entry whose barrier condition is false is an example of the latter. If the barrier condition were false this would mean the task waits (it transitions to a blocked state). I would be loathe to say that that would "kill" concurrency since in typical designs that's exactly what the task is supposed to do.

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