μ**Kernels vs Dual Kernels**

Advanced Operating Systems

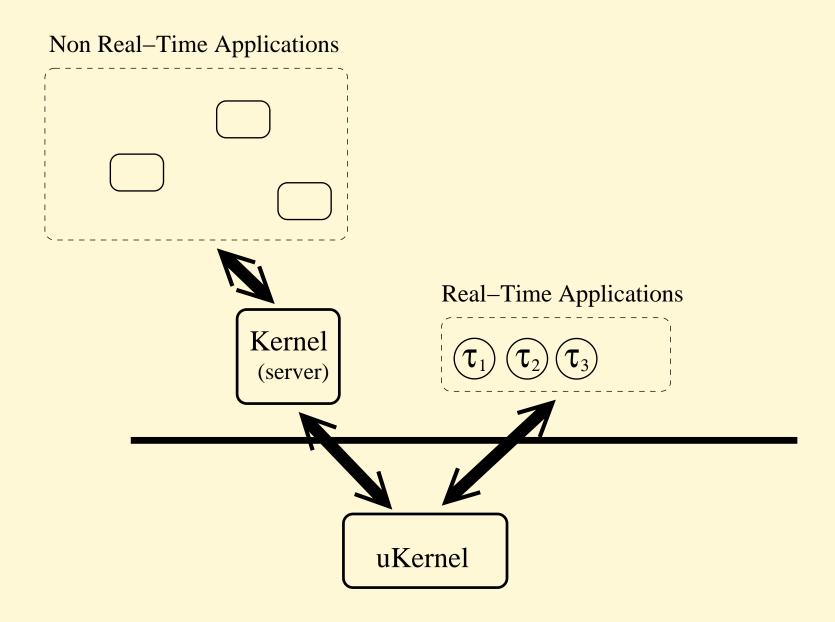
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Using HLP

- Both the μ kernel and the dual kernel approach are based on using the Highest Locking Priority protocol to reduce latency
 - Strong distinction between real-time tasks and non real-time tasks
 - Real-time tasks cannot use kernel functionalities!!!
- In μ kernel systems, real-time tasks execute in user space
- In dual kernel systems, real-time tasks are kernel modules (based on a small real-time executive!)

μ Kenrnel-Based System



Dual Kernel System

