



# Software Engineering for Embedded Systems:

## Chapter 8. Embedded Operating Systems

*Jean J. Labrosse*

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# Software Engineering for Embedded Systems: Chapter 8. Embedded Operating Systems

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Real-time operating systems (RTOS) are ubiquitous in embedded systems. This chapter explains what a real-time kernel is and what services it provides the product developer, and explains some of the internals of a kernel. A kernel is a component of an RTOS. In this chapter, we'll look at task management, interrupt handling, scheduling, context switching, time management, resource management, message passing, priority inversions and much more.



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