

Managing the Java Thread Lifecycle: Introduction



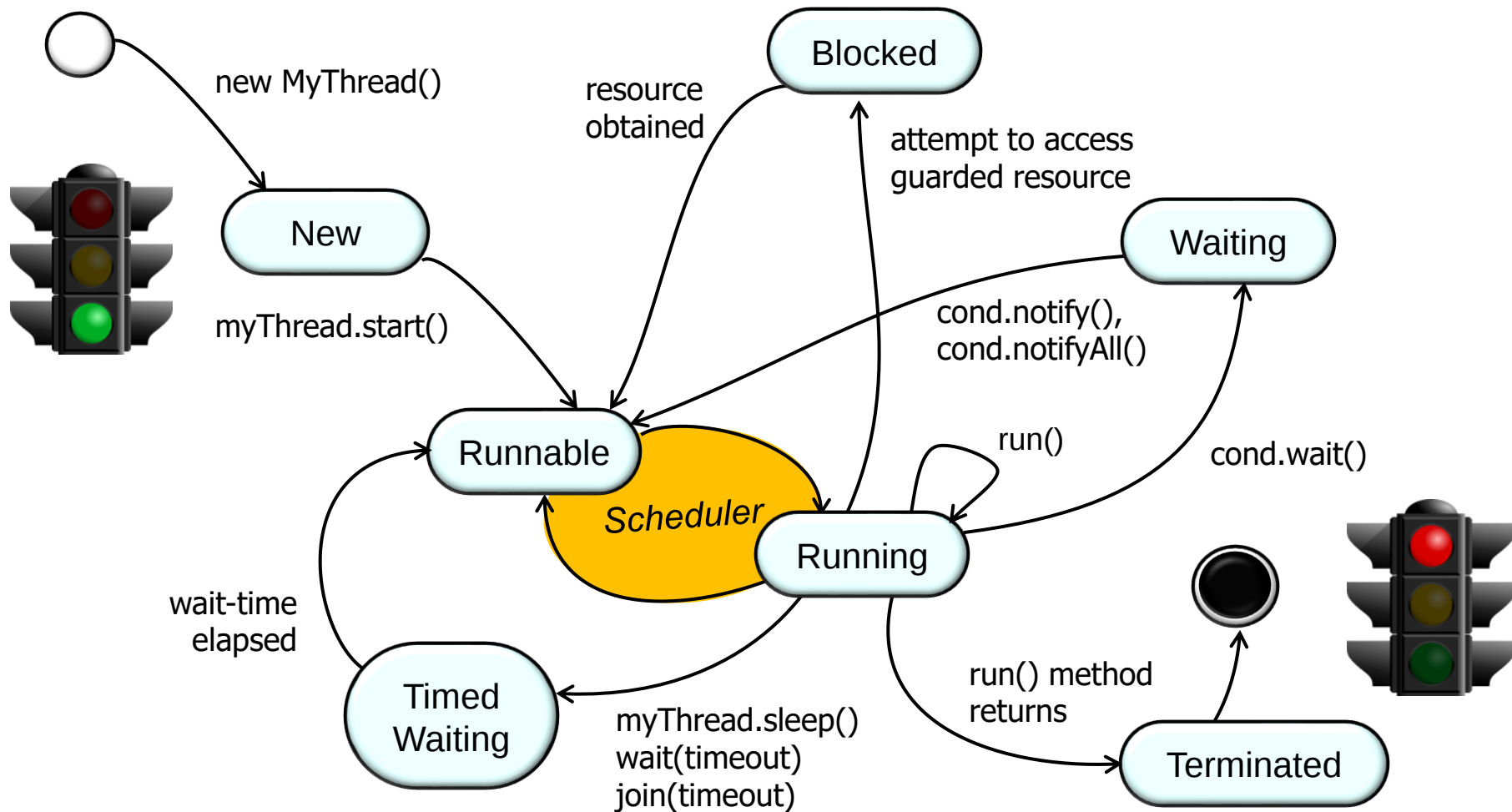
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Learning Objectives in this Part of the Lesson

- Be aware of the Java thread lifecycle

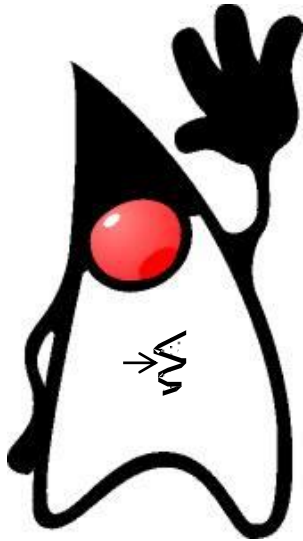


The primarily focus of this overall lesson is on starting & stopping Java threads

Overview of the States in the Java Thread Lifecycle

Overview of the Java Thread Lifecycle

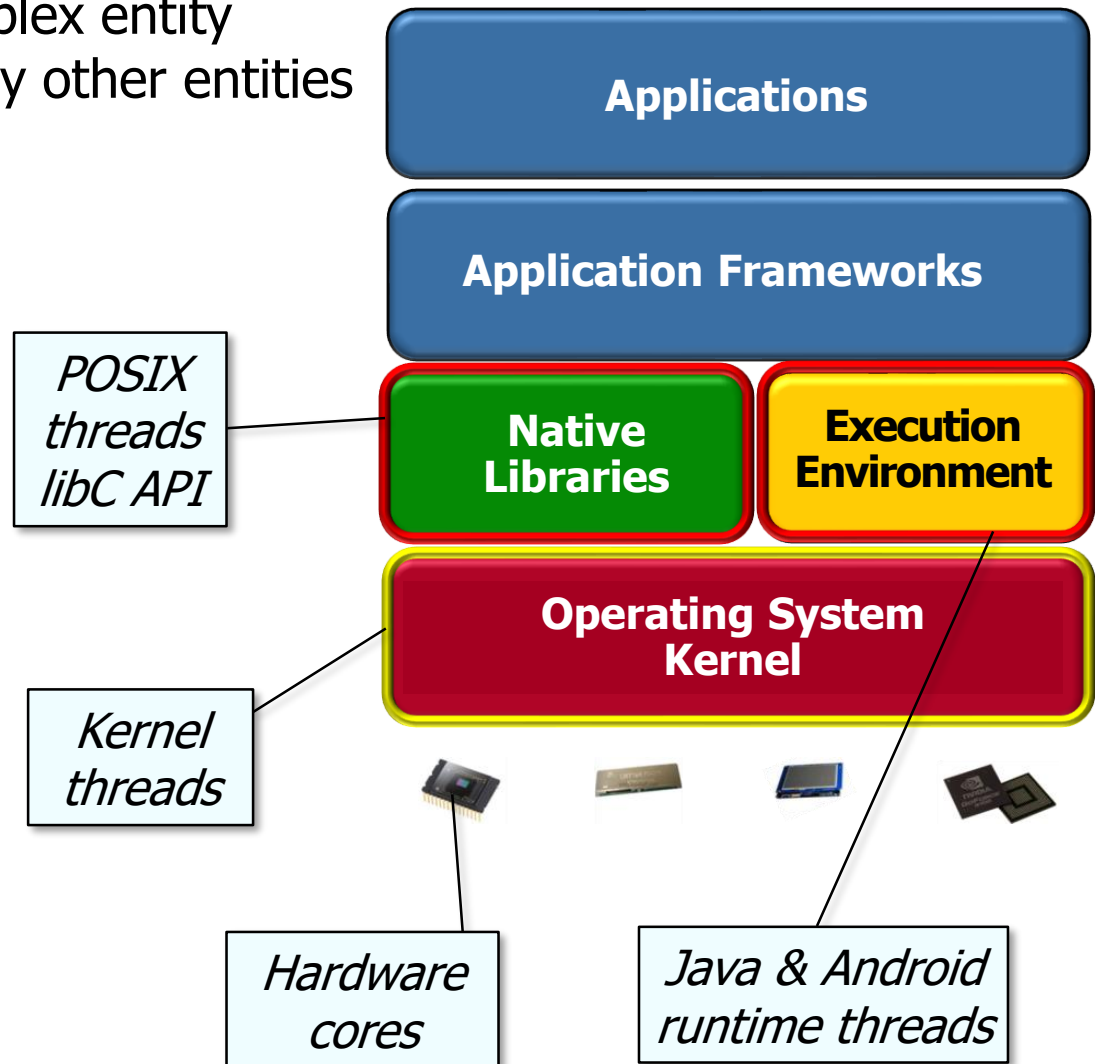
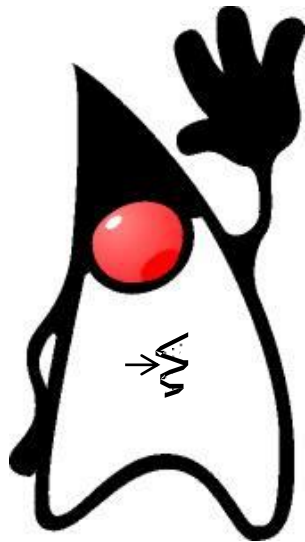
- A Java thread is a highly complex entity



See docs.oracle.com/javase/8/docs/api/java/lang/Thread.html

Overview of the Java Thread Lifecycle

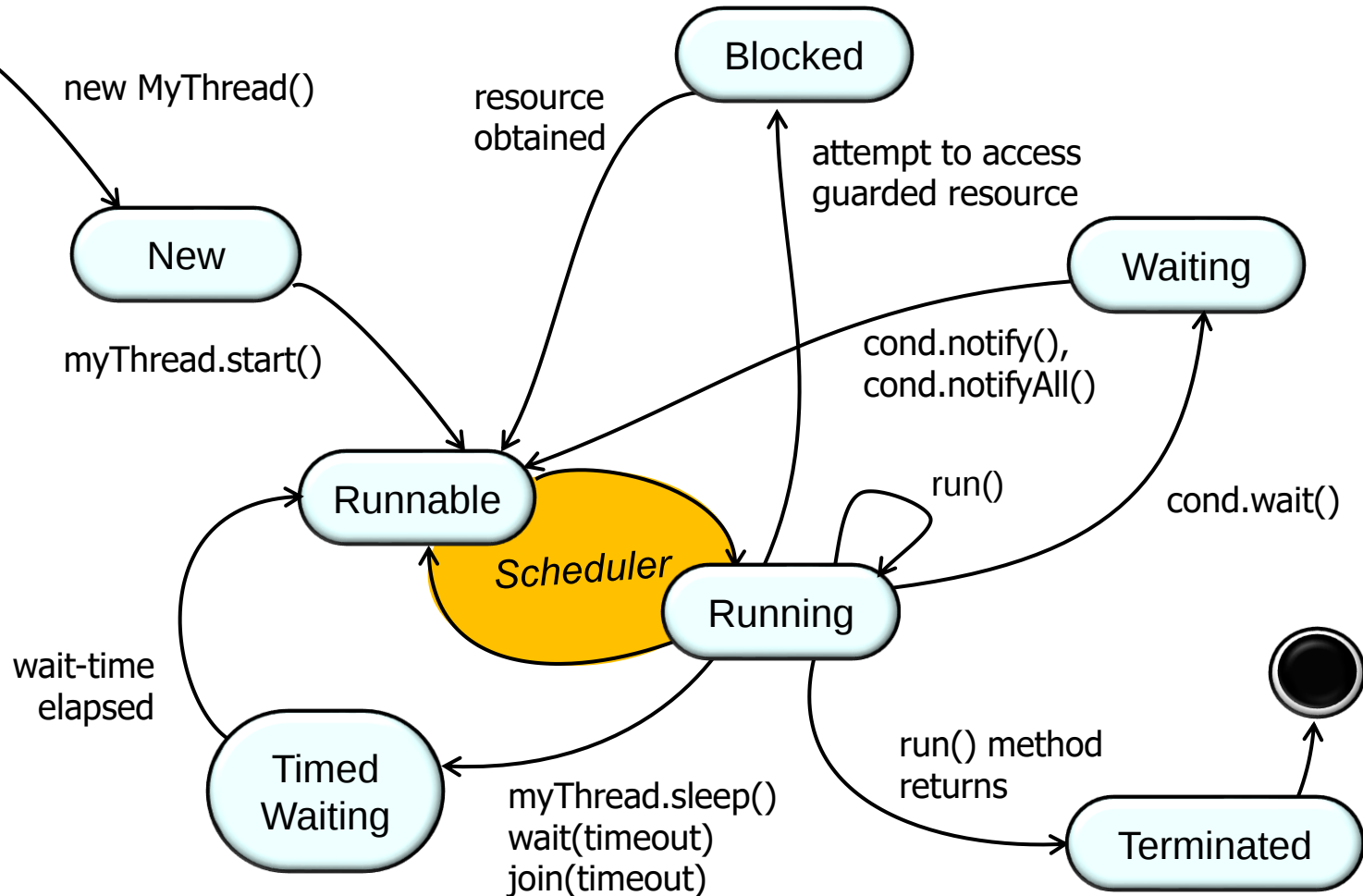
- A Java thread is a highly complex entity
 - A thread interacts with many other entities



See docs.oracle.com/javase/8/docs/api/java/lang/Thread.html

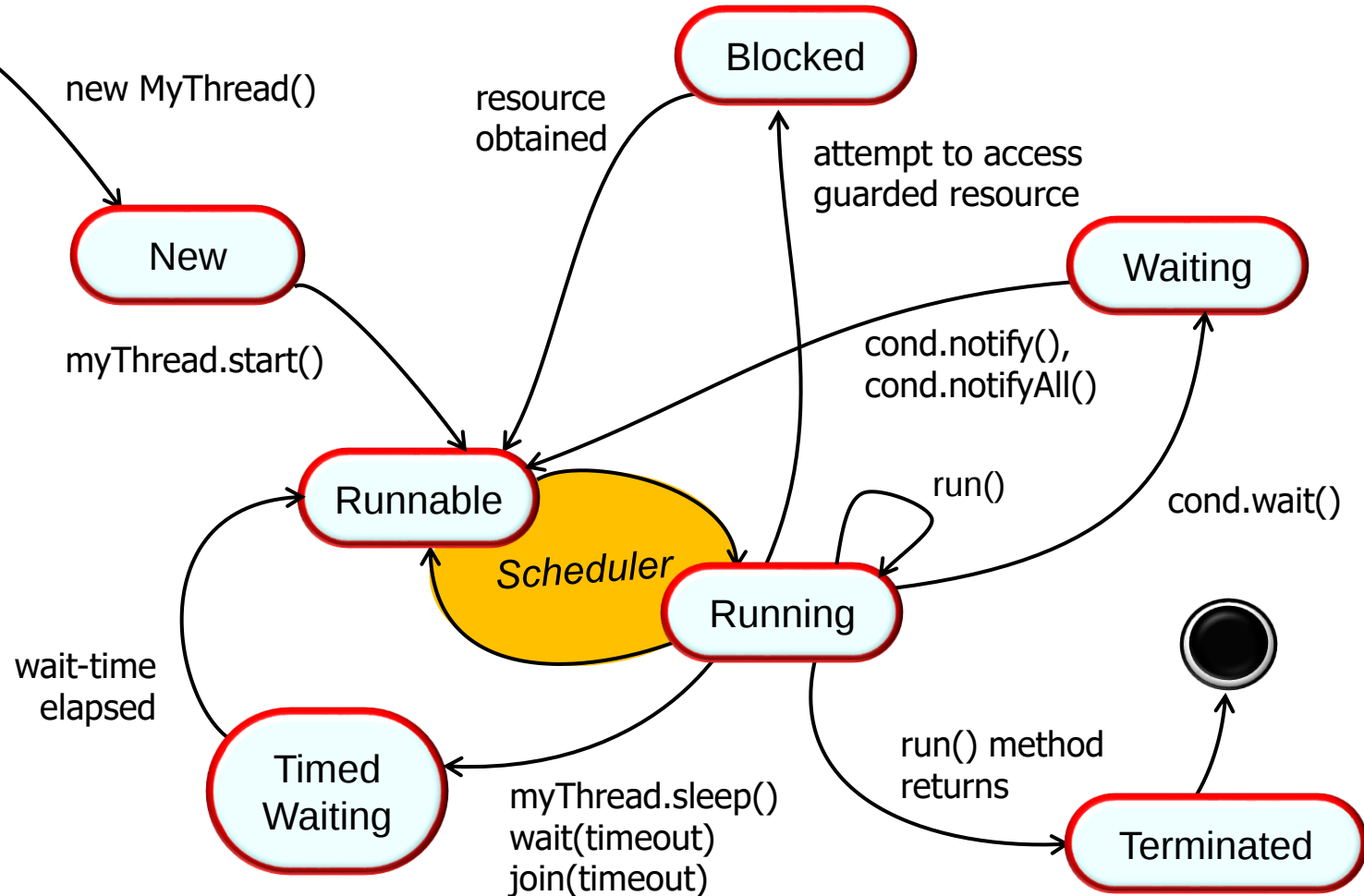
Overview of the Java Thread Lifecycle

- The lifecycle of a thread must therefore be managed carefully



Overview of the Java Thread Lifecycle

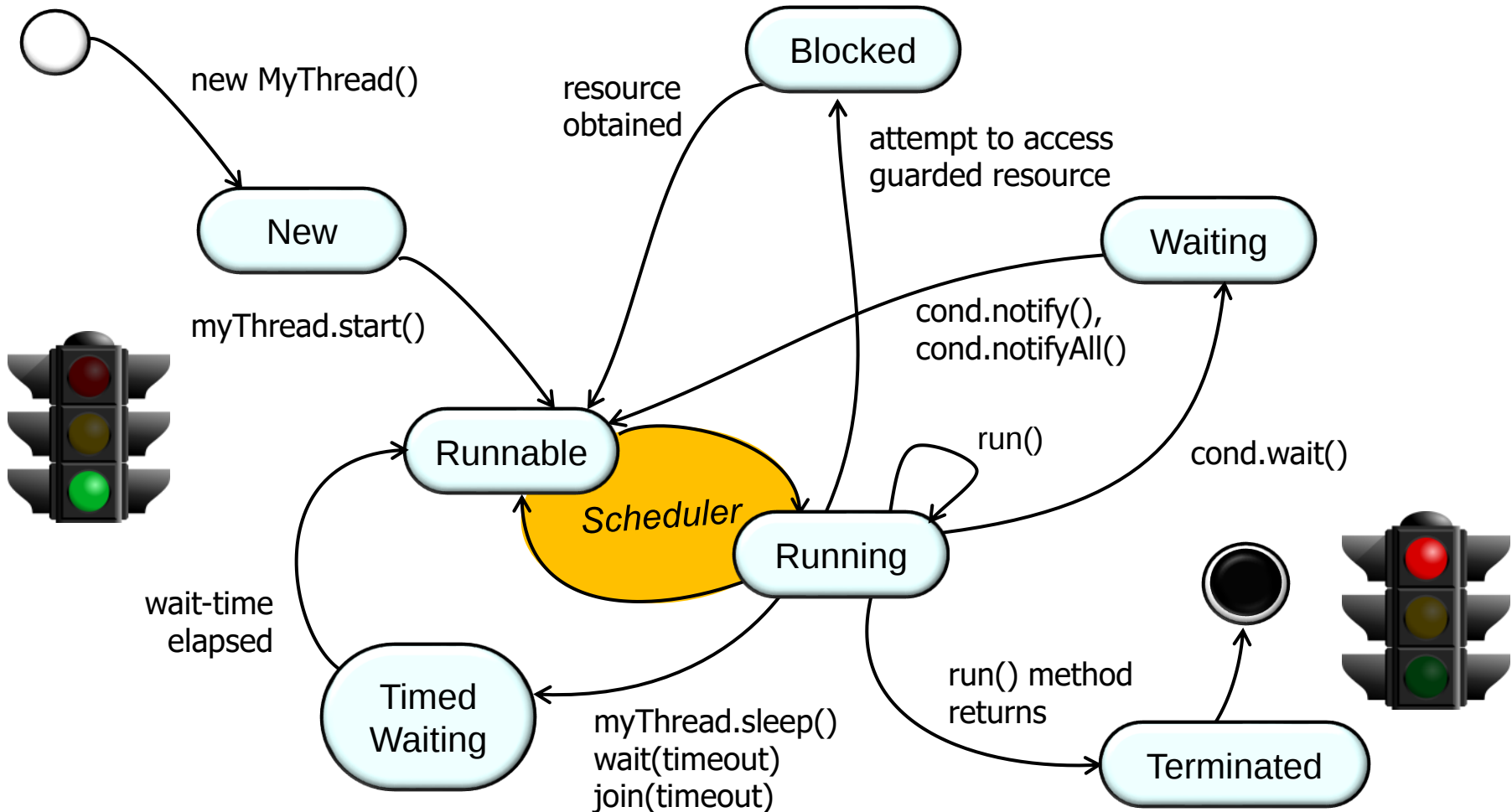
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A thread transitions through various "states" based on program operations

Overview of the Java Thread Lifecycle

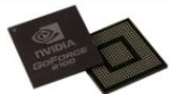
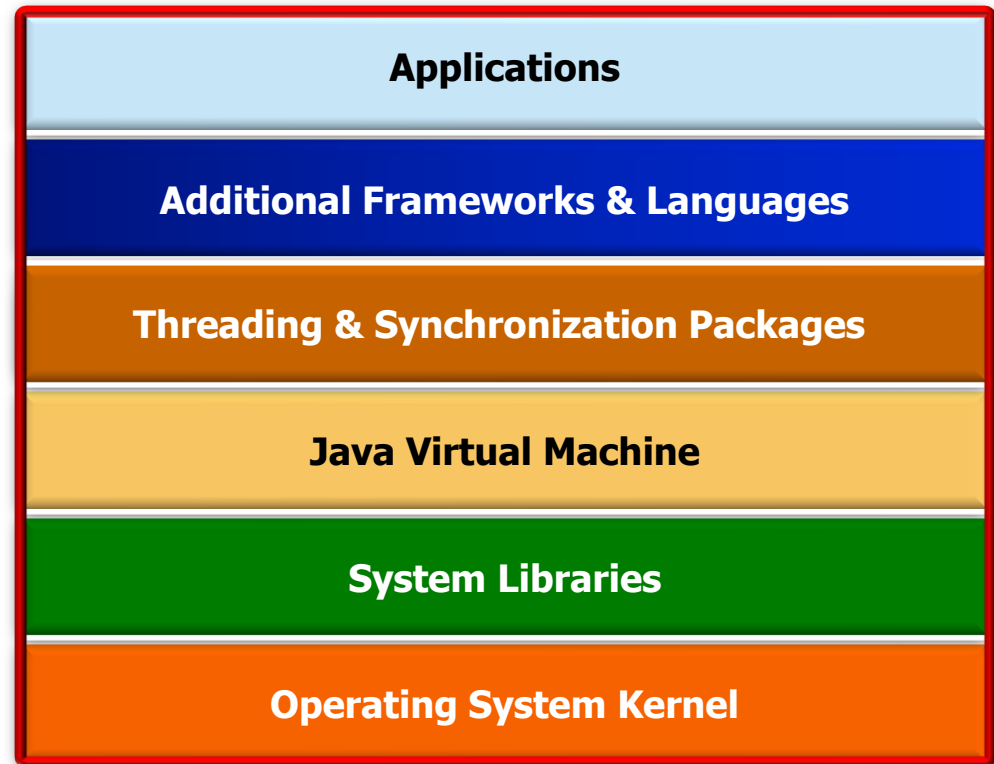
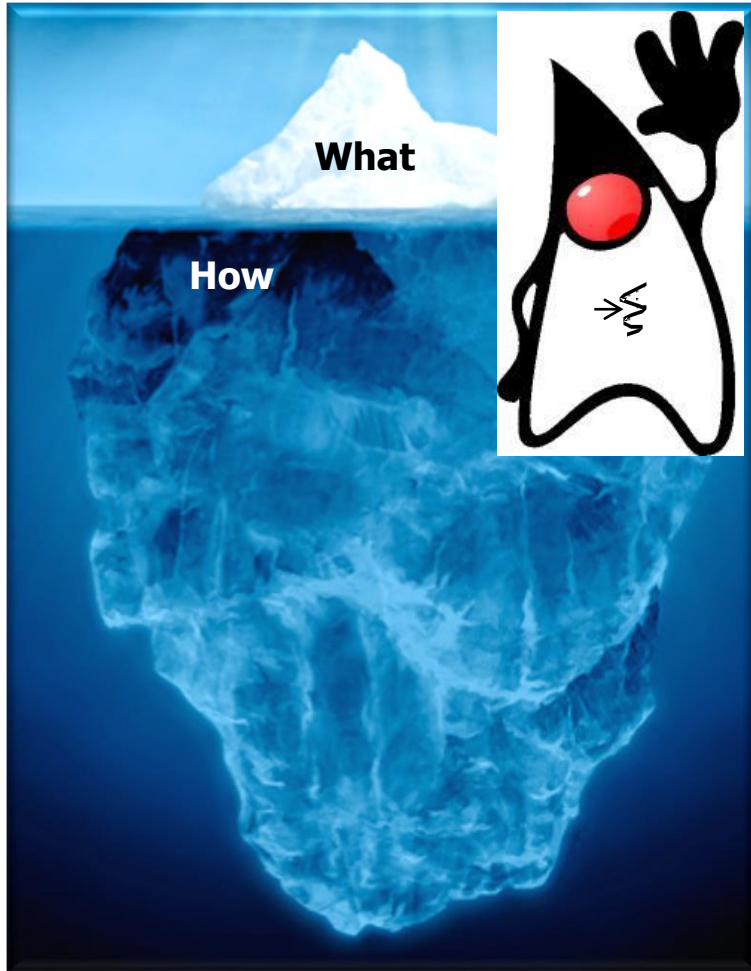
- The lifecycle of a thread must therefore be managed carefully



Two key parts of a Java thread's lifecycle involve starting & stopping it

Overview of the Java Thread Lifecycle

- You needn't understand all the details of Java thread internals to program them effectively



Overview of the Java Thread Lifecycle

- You needn't understand all the details of Java thread internals to program them effectively
 - However, your reputation (& value) as a “full stack” developer will increase if you learn how threads work internally



See www.laurencegellert.com/2012/08/what-is-a-full-stack-developer

Overview of the Java Thread Lifecycle

- You needn't understand all the details of Java thread internals to program them effectively
 - However, your reputation (& value) as a "full stack" developer will increase if you learn how threads work internally
- This type of "systems" knowledge may help you avoid "commoditization"!!



See softwareengineeringdaily.com/2016/08/07/you-are-not-a-commodity

End of Managing the Java Thread Lifecycle: Introduction