Java Threads: Introduction to Threads



Douglas C. Schmidt <u>d.schmidt@vanderbilt.edu</u> www.dre.vanderbilt.edu/~schmidt

Institute for Software Integrated Systems Vanderbilt University Nashville, Tennessee, USA



Learning Objectives in this Part of the Lesson

• Understand how Java threads support concurrency



Concurrent apps use threads to simultaneously run multiple computations that potentially interact with each other

• Threads are the most basic way of obtaining concurrency in Java



See en.wikipedia.org/wiki/Thread_(computing)

• Threads are the most basic way of obtaining concurrency in Java



See en.wikipedia.org/wiki/Process_(computing)

• Threads are the most basic way of obtaining concurrency in Java



See docs.oracle.com/javase/tutorial/essential/concurrency/procthread.html

• Threads are the most basic way of obtaining concurrency in Java



See <u>www.javatpoint.com/inter-thread-communication-example</u> & <u>web.mit.edu/6.005/www/fa14/classes/20-queues-locks/message-passing</u>

• Threads are the most basic way of obtaining concurrency in Java



See <u>developer.android.com/guide/components/aidl</u>

• Threads are the most basic way of obtaining concurrency in Java



See <u>en.wikipedia.org/wiki/Thread (computing)#Processes.</u> <u>2C_kernel_threads.2C_user_threads.2C_and_fibers</u>

• Threads are the most basic way of obtaining concurrency in Java



See <u>en.wikipedia.org/wiki/Thread (computing)</u>#Processes. <u>2C_kernel_threads.2C_user_threads.2C_and_fibers</u>

End of Java Thread: Introduction to Threads