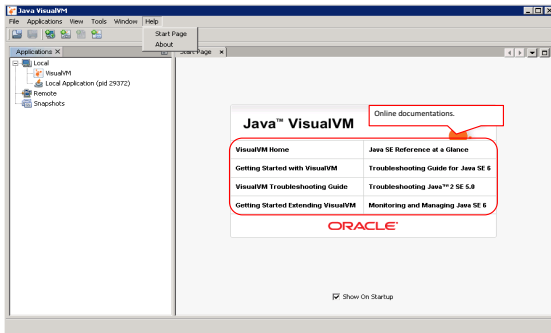


# How to use Jvisualvm

by John  
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## 1. Starting Java VisualVM

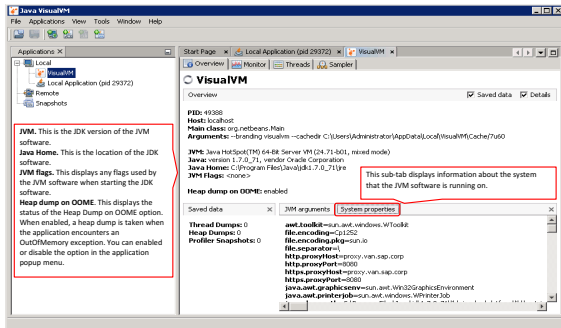
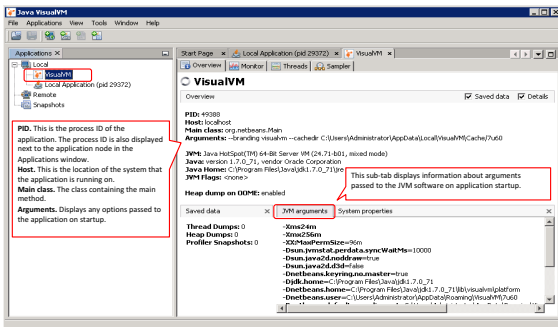
Java VisualVM is bundled with JDK version 6 update 7 or greater. Download the JDK from [www.oracle.com](http://www.oracle.com) and install it on your terminal. Once you have installed an appropriate JDK version, navigate to your JDK software's bin directory and double-click the Java VisualVM executable. On Windows this directory will be the following example:  
C:\Program Files\Java\jdk1.6.0\_update-number\bin



## 2. Working with Local Applications

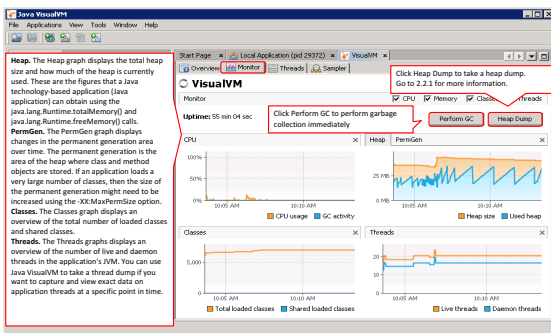
### 2.1 Viewing Application Overview

The Overview tab displays the following general information about the application and the runtime environment.



### 2.2 Monitoring an Application

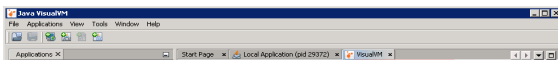
Java VisualVM to monitor a local application and view real-time, high-level data on the memory heap, thread activity, and the classes loaded in the Java Virtual Machine (JVM).

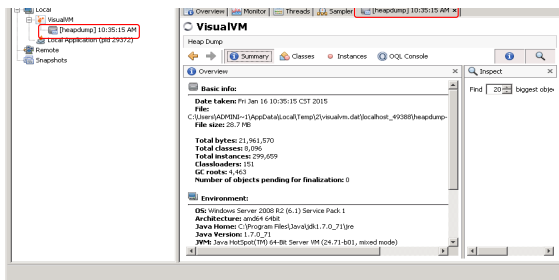


#### 2.2.1 Browsing a Heap Dump

When you open a heap dump, Java VisualVM displays the Summary view by default.

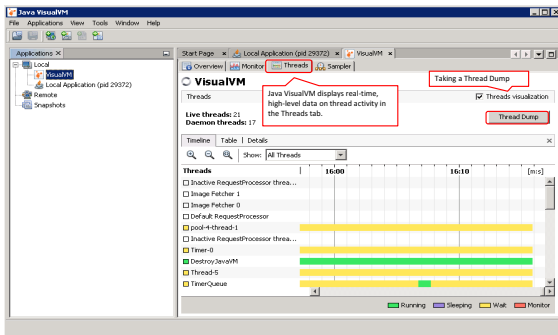
The Summary view displays the running environment where the heap dump was taken and other system properties.





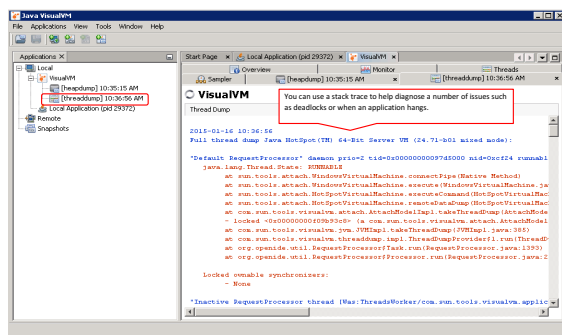
### 2.3 Monitoring Application Threads

Java VisualVM displays real-time, high-level data on thread activity in the Threads tab.



#### 2.3.1 Taking a Thread Dump

You can use Java VisualVM to take a thread dump (stack trace) while a local application is running.



### 2.4 Sampler

The Sampler tab of an application enables you to start and stop the profiling session of a local application.

