



Java™ SE 6 References

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Performance Resources (1)

- General

- <http://java.sun.com/javase/technologies/hotspot/index.jsp>
- <http://java.sun.com/javase/technologies/performance.jsp>
- <http://java.sun.com/performance/reference/whitepapers>
- http://java.sun.com/performance/reference/whitepapers/5.0_performance.html
- http://java.sun.com/performance/reference/whitepapers/6_performance.html

- Tuning

- <http://java.sun.com/performance/reference/whitepapers/tuning.html>

- GC

- <http://java.sun.com/javase/technologies/hotspot/gc/index.jsp>

- java.net

- <http://www.java.net/>

Performance Resources (2)

- blogs
 - Steve Bohne <http://blogs.sun.com/sbohne/>
 - Dave Dagastine <http://blogs.sun.com/dagastine/>
 - Dave Dice <http://blogs.sun.com/dave/>
 - David Holmes <http://blogs.sun.com/dholmes/>
 - Steve Goldman <http://blogs.sun.com/fatcatair/>
 - Jon Masamitsu <http://blogs.sun.com/jonthecollector/>
 - Keith McGuigan <http://blogs.sun.com/kamg/>
 - Tony Printezis <http://blogs.sun.com/tony/>
 - John Rose <http://blogs.sun.com/jrose/>

Monitoring and Management: Resources

- Java SE Troubleshooting and Diagnostic Guide:
 - > **JDK 5.0 version**
http://java.sun.com/j2se/1.5/pdf/jdk50_ts_guide.pdf
 - > **JDK 6 version**
<http://java.sun.com/javase/6/webnotes/trouble/>
- Java SE Monitoring and Management Guide:
 - > <http://java.sun.com/javase/6/docs/technotes/guides/management/>
- JConsole FAQ:
 - > <http://java.sun.com/javase/6/docs/technotes/guides/management/faq.html>
- JPDA/JDI /JVM TI Enhancements:
 - > <http://java.sun.com/javase/6/docs/technotes/guides/jpda/enhancements.html>
 - > <http://java.sun.com/javase/6/docs/technotes/guides/jvmti/changes6.html>
- BigAdmin:
 - > http://www.sun.com/bigadmin/collections/java_deployment.html

Monitoring and Management: Articles and Blogs

- Articles:

- > <http://java.sun.com/developer/technicalArticles/J2SE/monitoring/>
- > <http://java.sun.com/developer/technicalArticles/J2SE/jconsole.html>
- > http://www.sun.com/bigadmin/features/articles/j2se5.0_observability.html
- > http://www.sun.com/bigadmin/features/articles/java_se6_observability.html

- Blogs:

- > <http://blogs.sun.com/roller/page/sundararajan>
- > <http://blogs.sun.com/roller/page/alanb>
- > <http://weblogs.java.net/blog/kellyohair/>
- > <http://weblogs.java.net/blog/mandychung/>
- > <http://blogs.sun.com/roller/page/kamg>
- > <http://weblogs.java.net/blog/emcmanus/>
- > <http://blogs.sun.com/roller/page/jmxetc>
- > <http://blogs.sun.com/roller/page/lmalventosa>

DTrace Resources

- DTrace portal:
 - > <http://www.sun.com/bigadmin/content/dtrace>
- DTrace manual:
 - > <http://docs.sun.com/app/docs/doc/817-6223>
- Details of probes in JavaSE VM:
 - > http://blogs.sun.com/roller/page/kamg?entry=built_in_dtrace_probes_in
- Example scripts for Java:
 - > http://blogs.sun.com/roller/page/kamg?entry=example_dtrace_scripts_for_hotspot

The VM: Portal and Garbage Collection

- Improved Hotspot portal
 - > <http://java.sun.com/javase/technologies/hotspot.jsp>
- Parallel old gen collector: `-XX:+UseParallelOld`
 - > Large heaps on MP boxes
 - > 3-5x full gc improvement on an 8-way
- Low pause collector (CMS) enhancements
 - > Parallel concurrent mark
 - > Better ergonomics: young gen size, tenuring threshold, survivor ratio

End

