

STANDARD OPTIONS

\$ java

List all standard options.

-Dblog=JRebelBlog

Sets a 'blog' system property to 'JRebelBlog'.

Retrieve/set it during runtime like this:

```
System.getProperty("blog");
//JRebelBlog
```

```
System.setProperty("blog", "JR");
```

-javaagent:/path/to/agent.jar

Loads the java agent in agent.jar.

-agentpath:pathname

Loads the native agent library specified by the absolute path name.

-verbose:[class/gc/jni]

Displays information about each loaded class/gc event/JNI activity.

NON-STANDARD OPTIONS

\$ java -X

List all non-standard options.

-Xint

Runs the application in interpreted-only mode.

-Xbootclasspath:path

Path and archive list of boot class files.

-Xloggc:filename

Log verbose GC events to filename.

-Xms1g

Set the initial size (in bytes) of the heap.

-Xmx8g

Specifies the max size (in bytes) of the heap.

-Xnoclassgc

Disables class garbage collection.

-Xprof

Profiles the running program.

ADVANCED OPTIONS

BEHAVIOR

-XX:+UseConcMarkSweepGC

Enables CMS garbage collection.

-XX:+UseParallelGC

Enables parallel garbage collection.

-XX:+UseSerialGC

Enables serial garbage collection.

-XX:+UseG1GC

Enables G1GC garbage collection.

DEBUGGING

-XX:ErrorFile=file.log

Save the error data to file.log.

-XX:+HeapDumpOnOutOfMemoryError

Enables heap dump when `OutOfMemoryError` is thrown.

-Xlog:gc

Enables printing messages during garbage collection.

-XX:+TraceClassLoading

Enables Trace loading of classes.

-XX:+PrintClassHistogram

Enables printing of a class instance histogram after a `Control+C` event (`SIGTERM`).

PERFORMANCE

-XX:ThreadStackSize=256k

Sets Thread Stack Size (in bytes).
(Same as `-Xss256k`)

-XX:G1HeapRegionSize=4m

Sets the sub-division size of G1 heap (in bytes).

-XX:MaxGCPauseMillis=n

Sets a target for the maximum GC pause time.

-XX:MaxNewSize=256m

Max size of new generation (in bytes).

-XX:OnError="<cmd args>"

Run user-defined commands on fatal error.