

**NAME**

**jmap** – print details of a specified process

**SYNOPSIS**

**Note:** This command is experimental and unsupported.

**jmap** [*options*] *pid*

*options* This represents the **jmap** command-line options. See **Options for the jmap Command**.

*pid* The process ID for which the information specified by the *options* is to be printed. The process must be a Java process. To get a list of Java processes running on a machine, use either the **ps** command or, if the JVM processes are not running in a separate docker instance, the **jps** command.

**DESCRIPTION**

The **jmap** command prints details of a specified running process.

**Note:**

This command is unsupported and might not be available in future releases of the JDK. On Windows Systems where the **dbgeng.dll** file isn't present, the Debugging Tools for Windows must be installed to make these tools work. The **PATH** environment variable should contain the location of the **jvm.dll** file that's used by the target process or the location from which the core dump file was produced.

**OPTIONS FOR THE JMAP COMMAND**

**-clstats** *pid*

Connects to a running process and prints class loader statistics of Java heap.

**-finalizerinfo** *pid*

Connects to a running process and prints information on objects awaiting finalization.

**-histo[:live]** *pid*

Connects to a running process and prints a histogram of the Java object heap. If the **live** suboption is specified, it then counts only live objects.

**-dump:***dump\_options* *pid*

Connects to a running process and dumps the Java heap. The *dump\_options* include:

- **live** ---- When specified, dumps only the live objects; if not specified, then dumps all objects in the heap.
- **format=b** ---- Dumps the Java heap in **hprof** binary format
- **file=filename** ---- Dumps the heap to *filename*

Example: **jmap -dump:live,format=b,file=heap.bin** *pid*