

**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`