

by removing Safari from memory, whereupon the free memory jumps up to Y, where Y is much larger than X. So putting memory pressure on the system has resulted in a *larger* free memory value. If you were using this free memory value as a proxy for memory pressure, you'd end up drawing exactly the wrong conclusion.

Apple platforms have various standard techniques for handling memory pressure — memory warnings, NSCache, purgeable

memory, DISPATCH\_SOURCE\_TYPE\_MEMORYPRESSURE, and so on — and you should use those techniques rather than any sort of free memory value.

Finally, if you want to get a summary of how much memory your app is using, you should look at its *footprint*. If you're building an automated test suite, you can get this value programmatically. See this post for details.

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[1] Specifically, the host\_statistics API and the various structures defined in <mach/vm\_statistics.h>.

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