

sun.misc.Unsafe: Is it used really?

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Abstract—

We analyse source code repositories to answer the following question: How and how much the Unsafe API is used in Java projects?

Our aim is to devise if the Unsafe API is used extensively so it is worth to create a new language to improve programmer productivity.

I. INTRODUCTION

Performance is the main reason for Unsafe.

Trend using unsafe methods. But what for? Certainly you can do everything without Unsafe API, so why using it? The key is performance.

We searched for Boa [1]

GHTorrent [2] provide GitHub quering but for metadata, not source code mining, true?

A. Subsection Heading Here

Subsection text here.

1) *Subsubsection Heading Here*: This demo file is intended to serve as a “starter file” for IEEE conference papers produced under L^AT_EX using IEEEtran.cls version 1.7 and later. I wish you the best of success.

mds

January 11, 2007

II. RESULTS

The Figure 1 shows the pie.

The figure 2 shows how many times a method is called. Grouped by functional group.

The most called is `objectFieldOffset`. Because the result is then used by many other calls to Unsafe.

III. CONCLUSIONS

The conclusion goes here.

And yes, it is used,

ACKNOWLEDGMENT

The authors would like to thank...

REFERENCES

- [1] R. Dyer, H. A. Nguyen, H. Rajan, and T. N. Nguyen, “Boa: A language and infrastructure for analyzing ultra-large-scale software repositories,” in *Proceedings of the 35th International Conference on Software Engineering*, ser. ICSE’13, May 2013, pp. 422–431.
- [2] G. Gousios, “The ghtorrent dataset and tool suite,” in *Proceedings of the 10th Working Conference on Mining Software Repositories*, ser. MSR ’13. Piscataway, NJ, USA: IEEE Press, 2013, pp. 233–236. [Online]. Available: <http://dl.acm.org/citation.cfm?id=2487085.2487132>

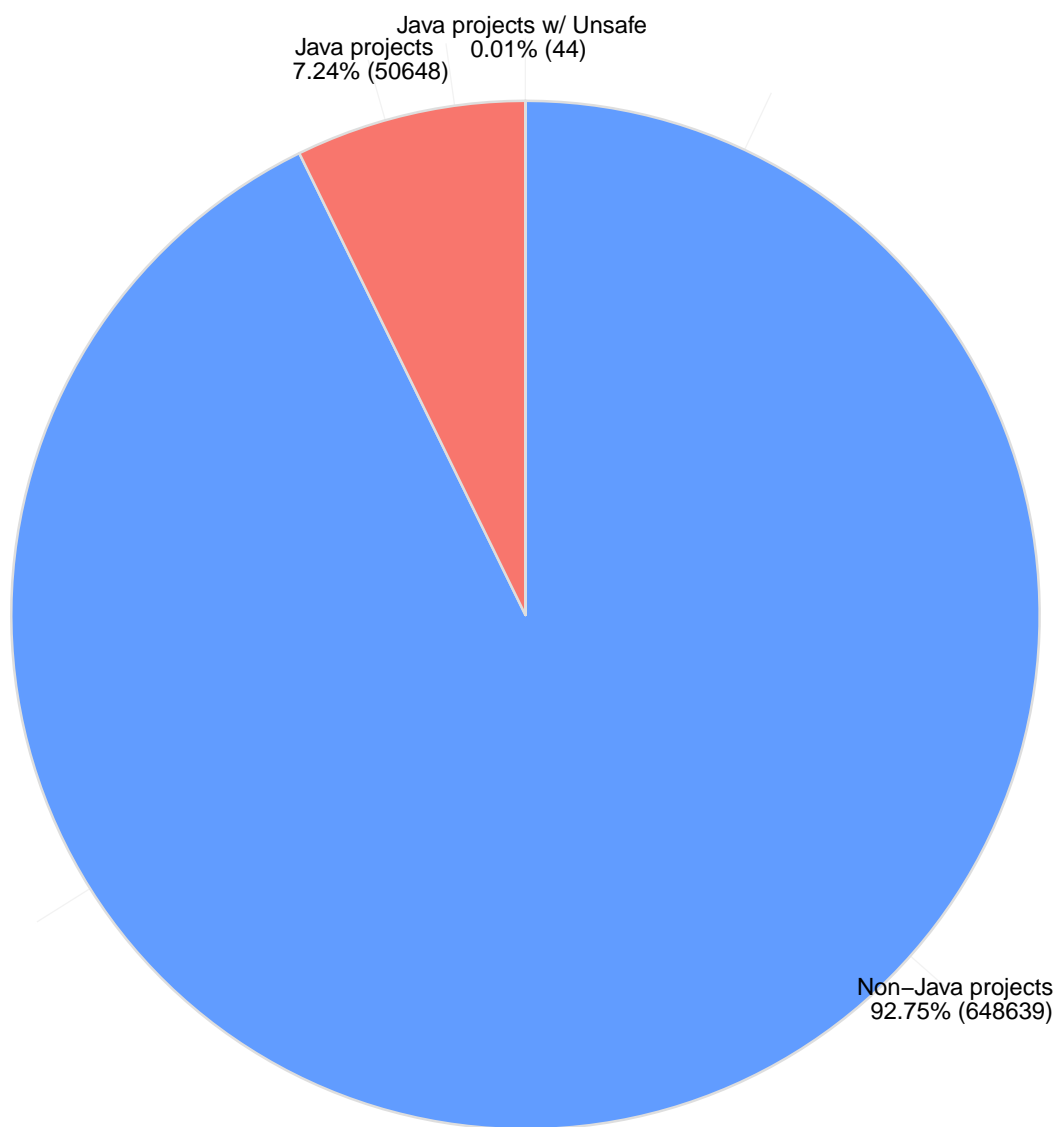


Fig. 1. Project using unsafe

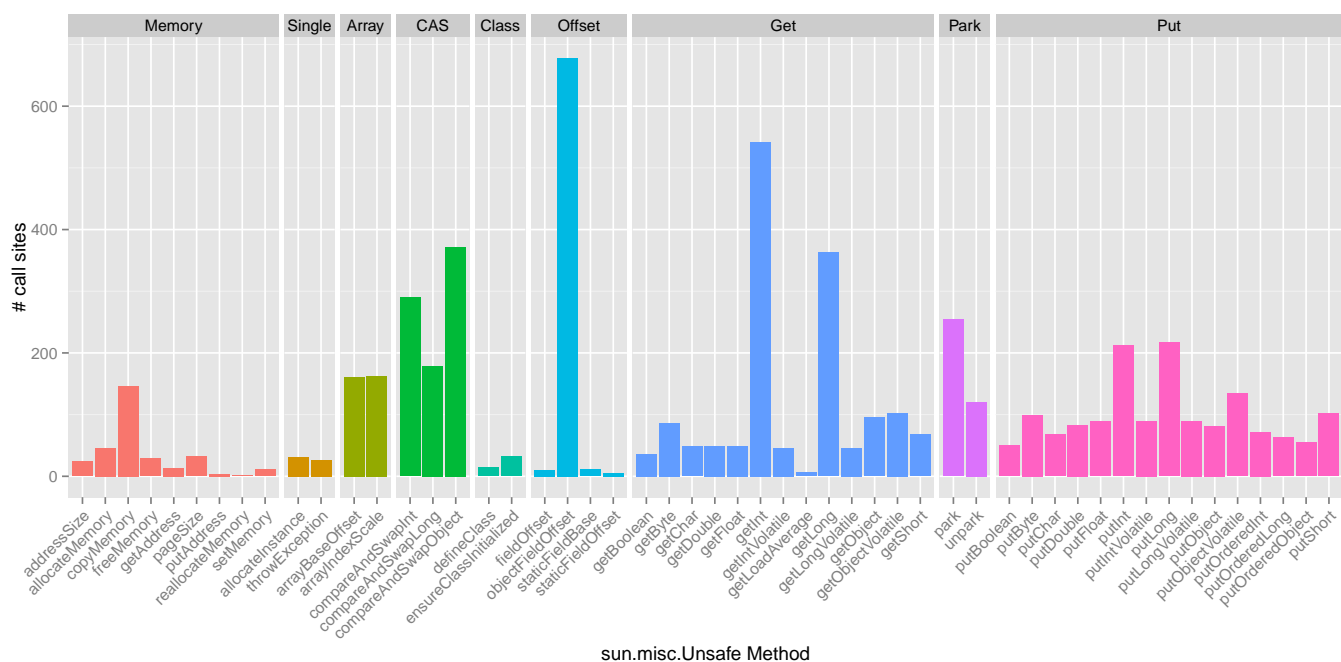


Fig. 2. sun.misc.Unsafe methods usage