

Abstract

Java is a major platform for performance sensitive applications. Unit testing of functionality has already become a common practice in software development; however, the amount of projects employing performance tests is substantially lower. A comprehensive study in combination with a short survey among developers is made in order to examine the current situation in open-source projects written in Java. Results show that suitable tools for measurements exist, but they are hard to use or the outputs are difficult to understand. To improve the situation in favor of performance evaluation a set of user friendly tools for collecting, comparing and visualizing the data is designed, implemented, and verified on a sample Java project.