



# **MEASURE. COMPARE. IMPROVE. REPEAT.**

## **BENCHMARKING FRAMEWORK**

The framework allows you to configure a testing service, for which templates are available, that will be called for a given number of iterations, spread across any number of concurrent threads, simulating concurrent users. Whether you wish to test a local service, a remote invoke, a web service through a Web Service Consumer, a platform component (e.g. Task Engine through Task Client), a Java Service or a class within the Application Platform, the framework supports it all.

## **DASHBOARD**

A compact dashboard is provided where you can follow live benchmarks, informing you of thread pool behavior and benchmark statistics. The dashboard also shows the most recently completed benchmarks to verify results against. And as benchmark results are also persisted in log files, you export this information and create graphs using your favorite data manipulation tools.

## **DATA GENERATION**

Each benchmark test allows you to assign a data generation service that will open the possibility to generate unique input data for each iteration of the service being benchmarked. For these data generation services, templates are also provided. The data generator service is invoked as a callback and is passed a number of parameters, such as the iteration count, based on which unique or random data can be generated, allowing you to create more realistic testing scenarios

## **LOAD AND PERFORMANCE TESTING**

You will be able to test all your services and components and know their load capacity and performance prior to deployment, confirming the stakeholders' NFR without the effort of going through a release cycle.

## **CONCRETE NUMBERS**

You can share benchmark reports with stakeholders, confirming to them that you have adhered to their NFR, whether testing services or frameworks or system components.

## **REAL TEST DATA**

All your tests can be based on random or planned data simulating real life situations instead of repetitive data sets, confirming to your customers that you have tested every possible scenario.

## **MORE THAN SERVICES**

Apart from testing services under load, the framework allows you to test system components as well, such as Task Engine through Task Client or other internal Integration Server components.