



PerfCake

A Lightweight Performance Testing Framework

Performance testing as a service

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Now we are in the cloud..



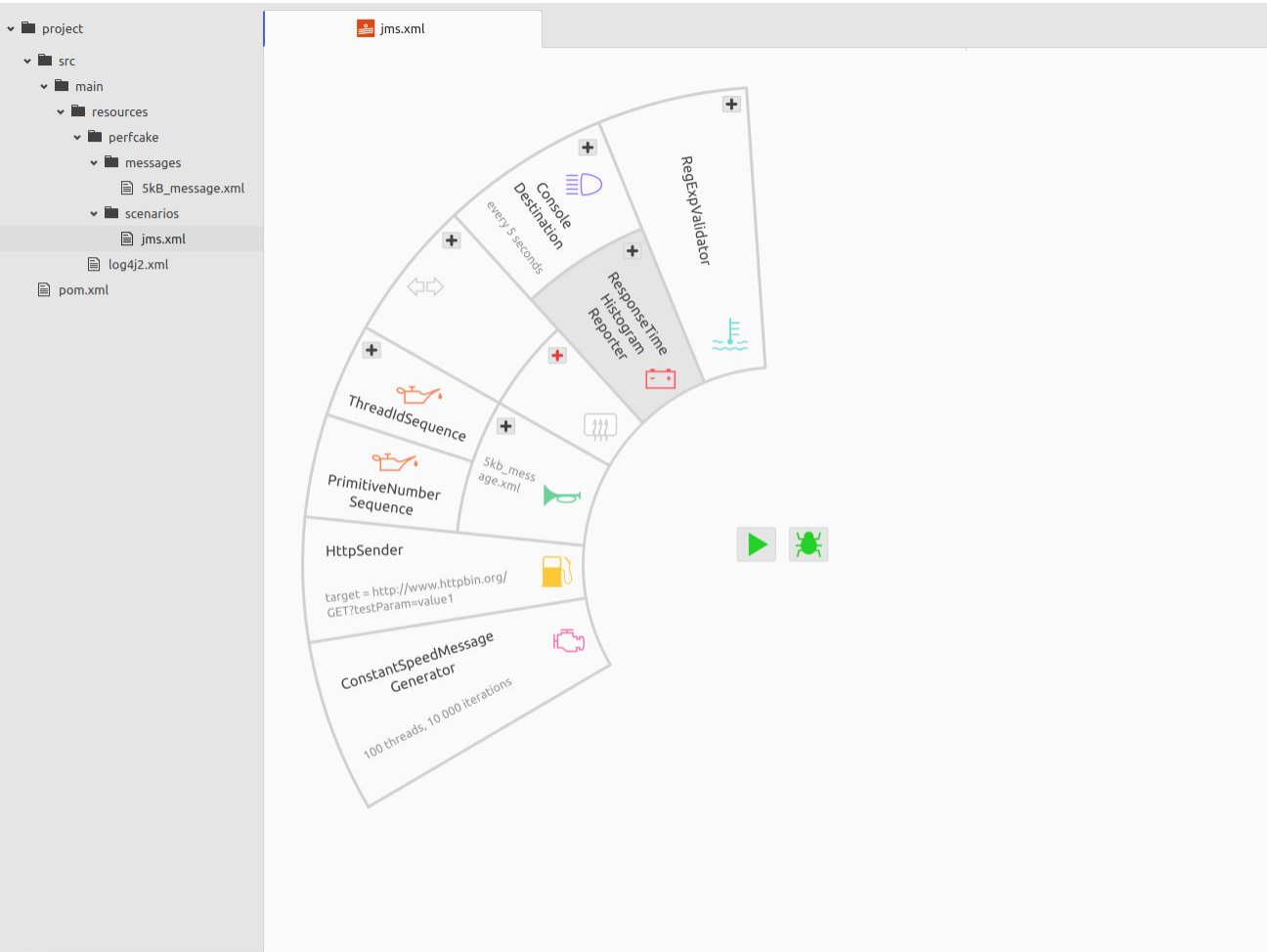


How do we measure performance?





Vision: design time



Configuration

Select a Reporter

ClassifyingReporter
Counts of occurrences of individual values in the given message attribute.

GeolocationReporter
Reports geolocation of PerfCake by its external IP address. Uses a 3rd party public REST API. Obtains the location just once and keeps it reporting. It does not make sense to configure this reporter to report more than once. As a bonus, it also reports iterations per second in the same way as IterationsPerSecondReporter does.

IterationsPerSecondReporter
Reports the average number of iterations that were completed since the test beginning per second.

MemoryUsageReporter
Reports memory usage information from a remote JVM, where PerfCake agent is deployed. It communicates with the PerfCake agent to get the information via TCP sockets.

RawReporter
Streams all recorded MeasurementUnits to a file for later replay.

ResponseTimeHistogramReporter
Reports response time in milliseconds using HDR Histogram that can computationally correct the Coordinated omission problem.

correctionMode*	AUTO
detail	3
expectedValue	10
filter	true
maxExpectedValue	-1
prefix	perc
precision	1

ResponseTimeStatsReporter
Reports statistics of response time.

ServiceTimeStatsReporter
Reports statistics of service time. This is the time between enqueueing the sender task and its completion.

ThroughputStatsReporter
Reports statistics of throughput.

WarmUpReporter
Determines when the tested system is warmed up. The warming is enabled/disabled by the presence of the WarmUpReporter in the scenario.

`org.jboss.fuse.test.CustomReporter`

src/main/resources/perfcake/scenarios/jms.xml

LF UTF-8 XML



Reporting

PerfRepo Home Tests Test executions Reports



IoT - Raspberry Pi 2 vs. Pi

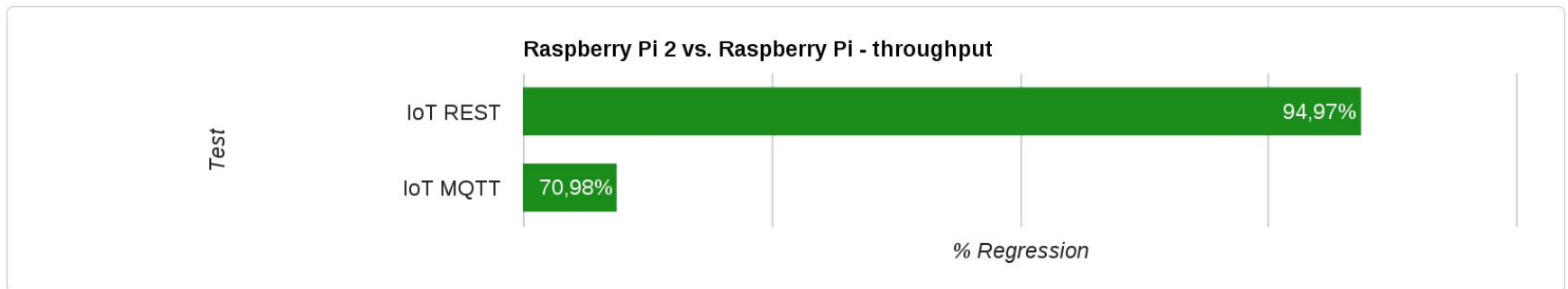
 [Permission settings](#)

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 [Tests](#)  [Tags](#)  [Compare](#)  [Filter Metrics](#)  [Configuration](#)

The report shows comparison of 4 test executions. [Show test executions](#)

Test	Metric	Raspberry Pi 2	Raspberry Pi	Raspberry Pi 2 vs. Raspberry Pi
IoT REST	throughput	813,22	40,90	94,97 %
IoT MQTT	throughput	309,58	89,85	70,98 %





I want it!

How much for this?

It is free at www.perfcake.org

?

