



PerfCake

A Lightweight Performance Testing Framework

Software Quality - Performance

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Performance Testing

LOAD - STRESS - SOAK

SCALABILITY

BENCHMARK



PerfCake Features

Modern tool

Flexible

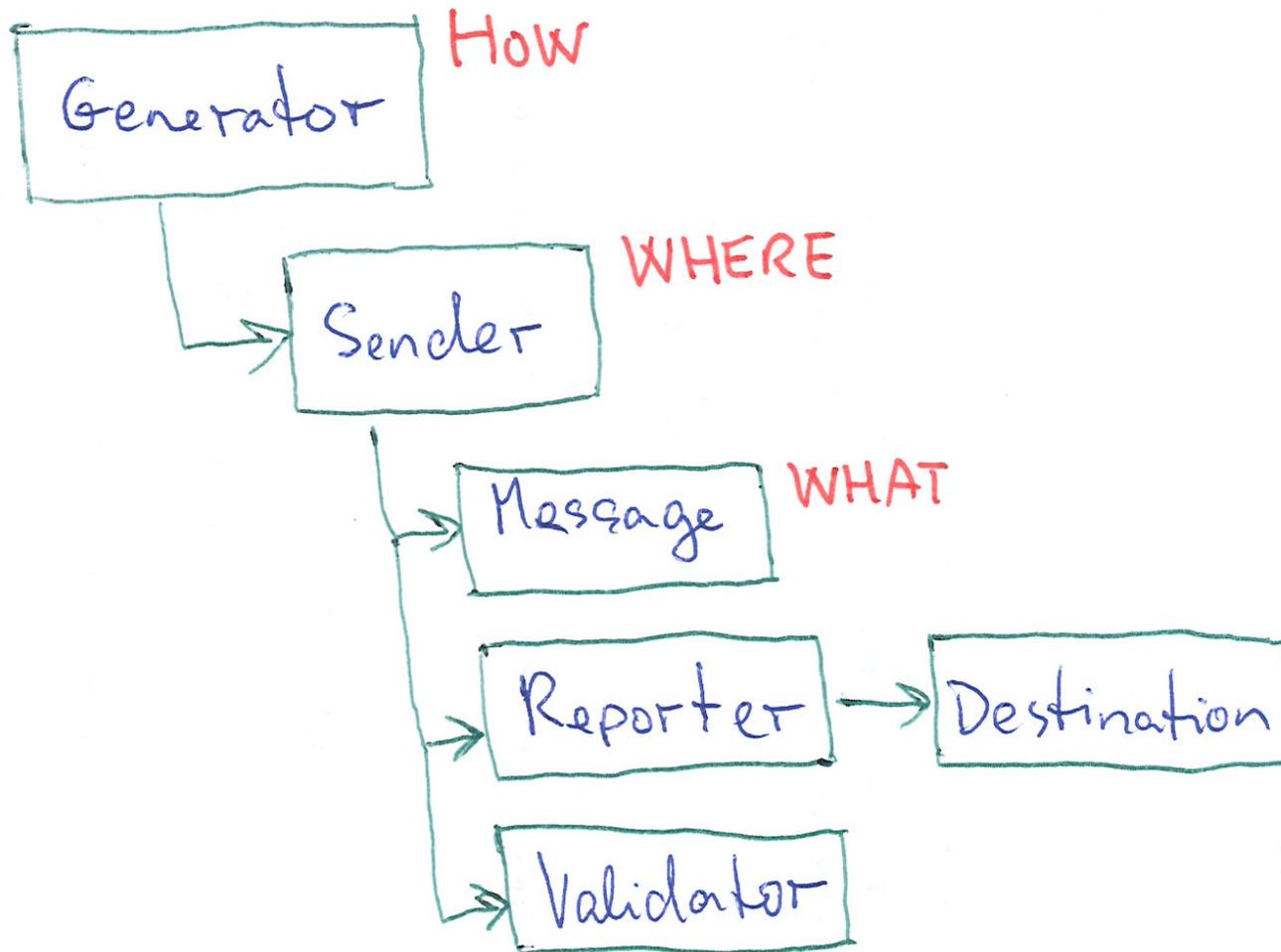
Lightweight ~ Minimal footprint

Reliable/Stable

High Performance



PerfCake Architecture





Agenda

Get Started! Demo

REST based application performance

Results evaluation



Test Scenario - Throughput

```
scenario "rest-throughput-with-message"  
  run 3.m with ${thread.count:125}.threads  
  generator "DefaultMessageGenerator"  
  sender "HttpSender" target "http://localhost:8080" method "${http.method:POST}"  
  reporter "WarmUpReporter"  
  reporter "ThroughputStatsReporter" minimumEnabled "false" maximumEnabled "false"  
    destination "ChartDestination" every 1.s name "Throughput" group "throughput" outputDir "rest-  
throughput-with-message-charts" yAxis "Throughput [iterations/s]" attributes "Result,Average"  
    destination "ConsoleDestination" every 5.s  
  message file:"message.txt" validate "msgValidator"  
  validation enabled  
    validator "RegExpValidator" id "msgValidator" pattern "Consumed.*"  
end
```



Test Scenario - Memory

```
scenario "rest-memory-with-message"  
  run 5.m with ${thread.count:125}.threads  
  generator "DefaultMessageGenerator"  
  sender "HttpSender" target "http://localhost:8080" method "${http.method:POST}"  
  reporter "MemoryUsageReporter" memoryLeakDetectionEnabled "true" usedMemoryTimeWindowSize 240  
    destination "ChartDestination" every 1.s name "Memory Usage" group "memory" outputDir "rest-  
memory-with-message-charts" yAxis "Memory Usage [MiB]" attributes "Used,Total"  
    destination "ConsoleDestination" every 5.s  
  message file:"message.txt" validate "msgValidator"  
  validation enabled  
    validator "RegExpValidator" id "msgValidator" pattern "Consumed.*"  
end
```



Links

www.perfcake.org

github.com/PerfCake/PerfCake/issues

site.perfcake.org

javadoc.perfcake.org

perfcake.ci.cloudbees.com

twitter.com/perfcaketool

perfcake.blogspot.com

goo.gl/Vx9t56



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