Jonathan Beisiegel

Contens

- What is Gattling?

- Why should I use Gattling?

- How does it work?

- Demonstration

- Links

Preparation for Demonstration

- Install Eclipse

- Install Scala addon for eclipse

- Slides and Example on Github

    https://github.com/lonjo/ePortfolio-Gatling-Loadtests

What is Gatling?

Facts

- Open Source load testing framework

- Since 2009

- Written in Scala

- Active comunity

- Support for http, https, WebSockets, JMS

Why should I use Gatling?

Easy to use DSL

```scala
object BrowseSitemap {

    val sitemapFeeder = sitemap("sitemap.xml").random

    val browse = repeat(10) {
        feed(sitemapFeeder)
            .doIf(session => !session("loc").as[String].startsWith("/protected/")) {
                exec(http("${loc}")
                    .get("""${loc}"""))
            }
    }

}
```

Easy to use DSL (http://gatling.io/docs/2.1.5/cheat-sheet.html)

Gatling's Cheat sheet

Click on a DSL element to know how to use it and what it does

Scenario definition Describe your users behaviour

Scenario

- scenario

Loops

- forever
- repeat
- during
- asLongAs
- foreach

Base structures

- exec
- group
- pause
- pace
- rendezVous

Failure handling

- tryMax
- exitBlockOnFail

One thread per user architecture

CPU Utilization (Percent) Maximum ▾   Time Range: 1.1 Hours ▾ Period: 1 Minute ▾

JMeter 2.9   JMeter 2.10   Gatling 1.5.3
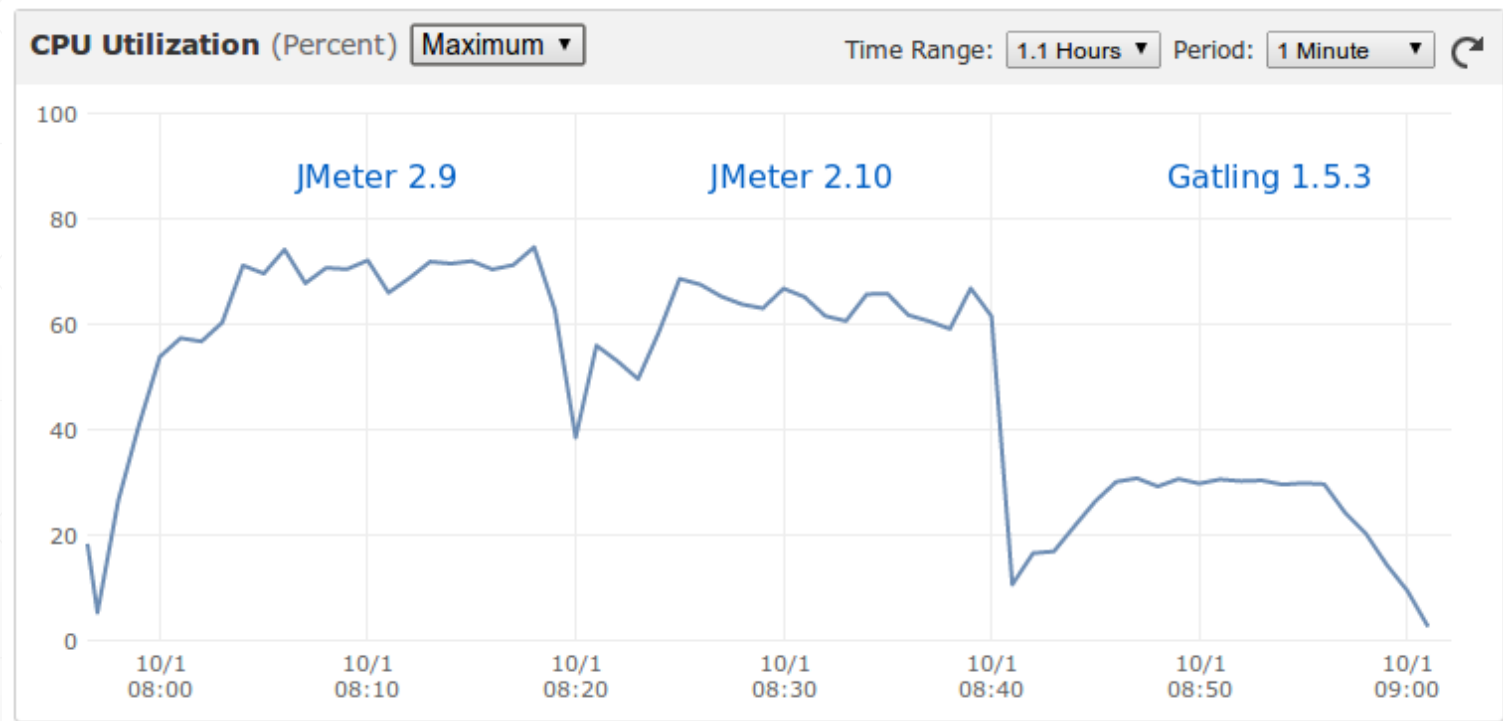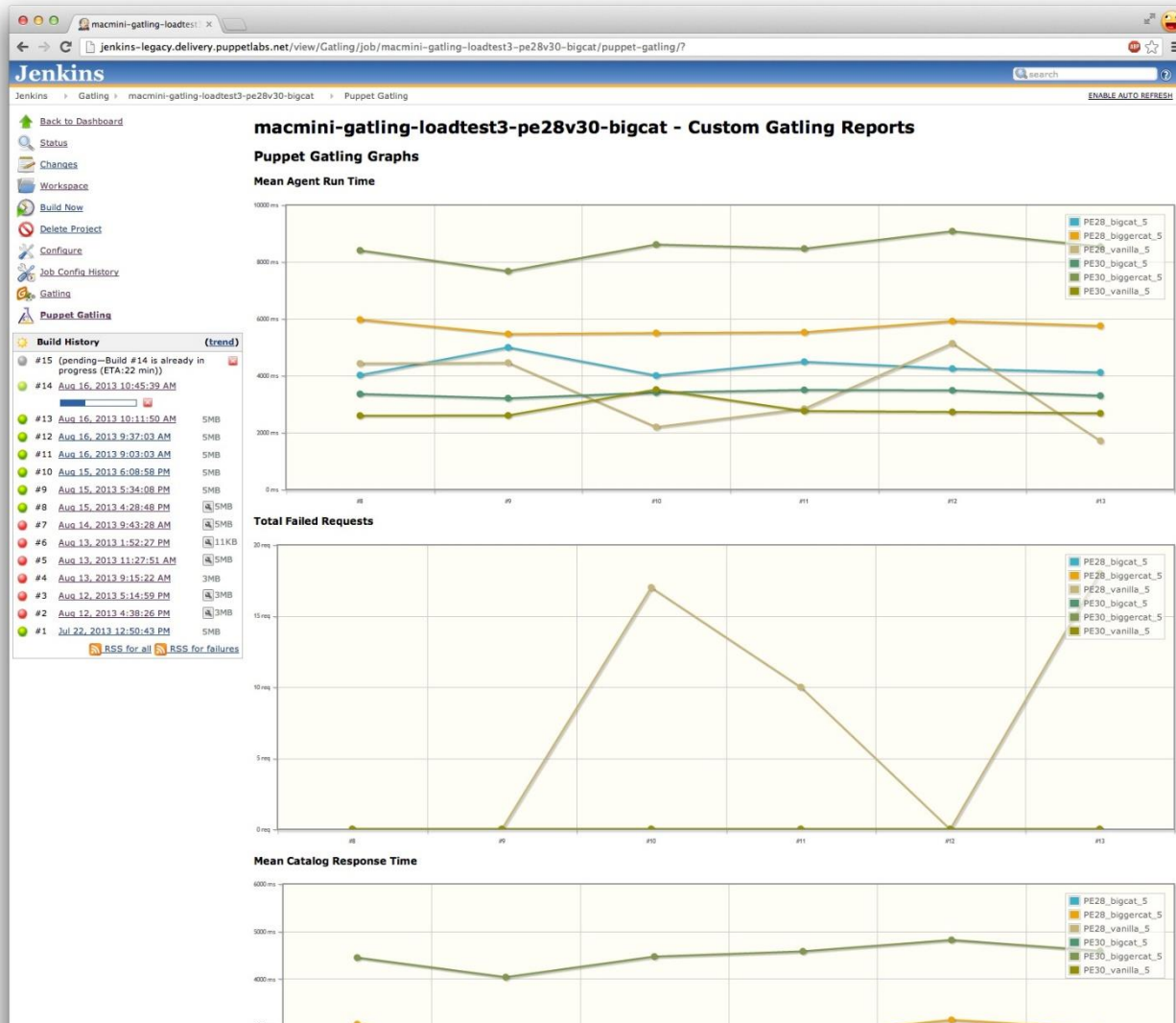
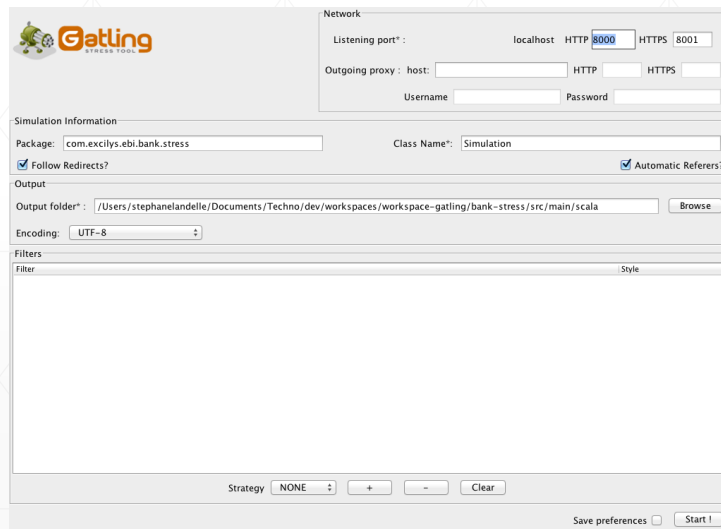# Nice and meaningfull reports

CI integration

What could be better

- Support for multiple nodes

- Support for more protocols

- Scala language

- Report with JVM information

How does it Work?

Two ways to use Gatling

GUI Recorder

Your IDE

Gatling is not a Browser!

- Not running JavaScript

- Not downloading css resources

- No AJAX support

- Downloading HTML

- All linked resources

Its just a Simulation

Limited by:

- your bandwidth

- your OS

- the resources of your Computer

Demonstration

Links

Links

- Gatling Documentation

  http://gatling.io/docs/2.1.6/

- Gatling Cheat Sheet

  http://gatling.io/docs/2.1.6/cheat-sheet.html

- Example project on Github

  https://github.com/lonjo/ePortfolio-Gatling-Loadtests