Friendly Load Generator

Simple Web Based load generator

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Why a web based load generator?

- Traditional load generation tools and agents are installed into the operating system (OS).
- Often in Cloud environments you can't obtain an OS
 - Infrastructure as a Service (laaS) does allow OS access
 - Platform as a Service (PaaS) does not let you get at the OS
- If we could build a Load Generator as a simple Web App then we could run it in any simple web server, could run in:
 - Tomcat
 - Liberty
 - WAS
 - Weblogic
 - JBoss
 - ...

Basic design ideas for the Web Load Gen

• Requirements:

- Built in Java
- Must be multi-threaded to allow for many web users
- Use only basic java classes such as java.lang, java.io, java.net, ...
- Easily configure the web workload to be executed as a sequence of HTTP urls
- Support session persistence
- Interact with the Workload engine via:
 - Simple front-end Web Application to interact with the workload engine
 - In addition allow for simple java main(), so it can be run on an OS as a java standalone

Packaging:

- Distributed as a simple WAR file
- Distributed as a simple java JAR file

