

JPTWML: Solving Java Memory Leaks

Exercise 1:

Generational Counts

Purpose: Triage a static memory leak using VisualVM's profiler.

Tips is a web application that accepts search terms and returns a corresponding set of performance tuning tips. The following steps will help you run and tests.

- 1) Open a terminal window and cd into jptwml/exercise1.
- 2) Compile and start jetty using the compile and appServerStart scripts.
- 3) Test the app using the URL <http://localhost:8080/tips/wildcard>.
- 4) Start JMeter using the provided jmeter script.
- 5) Start and attach VisualVM to the Jetty server
- 6) Configure the memory profiler and attach it.
- 7) Run the JMeter script
- 8) Use the monitoring capability of VisualVM to confirm the leak
 - 1) Alternatively look at the GC using Censum
- 9) Triage the leak, solve and confirm the solution