

JPTWML: Solving Java Memory Leaks

Exercise 2:

Tool Comparison

Purpose: Perform a side by side comparison MAT, VisualVM, and JMC for the purpose of diagnosing memory leaks.

Once again we will use Tips to perform this comparison.

- 1) Open a terminal window and cd into jptwml/exercise2.
- 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 and perform the diagnosis
- 6) Save the heap dump for use in MAT
- 7) Rerun the bench using JFR and JMC.
- 8) Compare views from all 3 tools, What are the overheads and other considerations that may have you use one tool over another?