

CocoonPerformanceResults

Sample stress test results

System configuration used for testing:

- Sun Fire V-480 (2x 900MHz, 4GB RAM), SunOS 5.8
- JDK 1.4.2_03-b02, Jetty 4.2.12, Cocoon-2.1.3 (with Xalan as XSLT processor)

Java options:

- `-server -Djava.awt.headless=true -Xms2536M -Xmx2536M -XX:+UseParallelGC -XX:+UseAdaptiveSizePolicy -DisableExplicitGC`

Basic Cocoon settings:

- *maxobjects* (cocoon.xconf) set to 20000
- *use-store* attribute of the XSLT processor set to true (cocoon.xconf)
- store-janitor's *heapsize* set to 80000000, *freememory* set to 20000000 (cocoon.xconf)
- *check-includes* set to false (sitemap.xmap)
- all pool-sizes of often used components increased (*pool-max*="256" or "512")

Test-tool:

- Siege 2.56 (for requesting defined URLs with a configurable number of concurrent users over a specified time or up to a number of maximum requests). You can get it from <http://www.joedog.org/siege/index.php>
- custom tool for replaying log files

Scenario 1 (40/80/160 concurrent users, 10 different URLs)

Look [Sample1](#) for the results and accompanying graph.

Scenario 2 (replay of a typical one-day log of user activity)

Look [Sample2](#) for the results and accompanying graph.