

Contents

Leaks before software modifications2

 Graphs2

 Logs3

Software modifications5

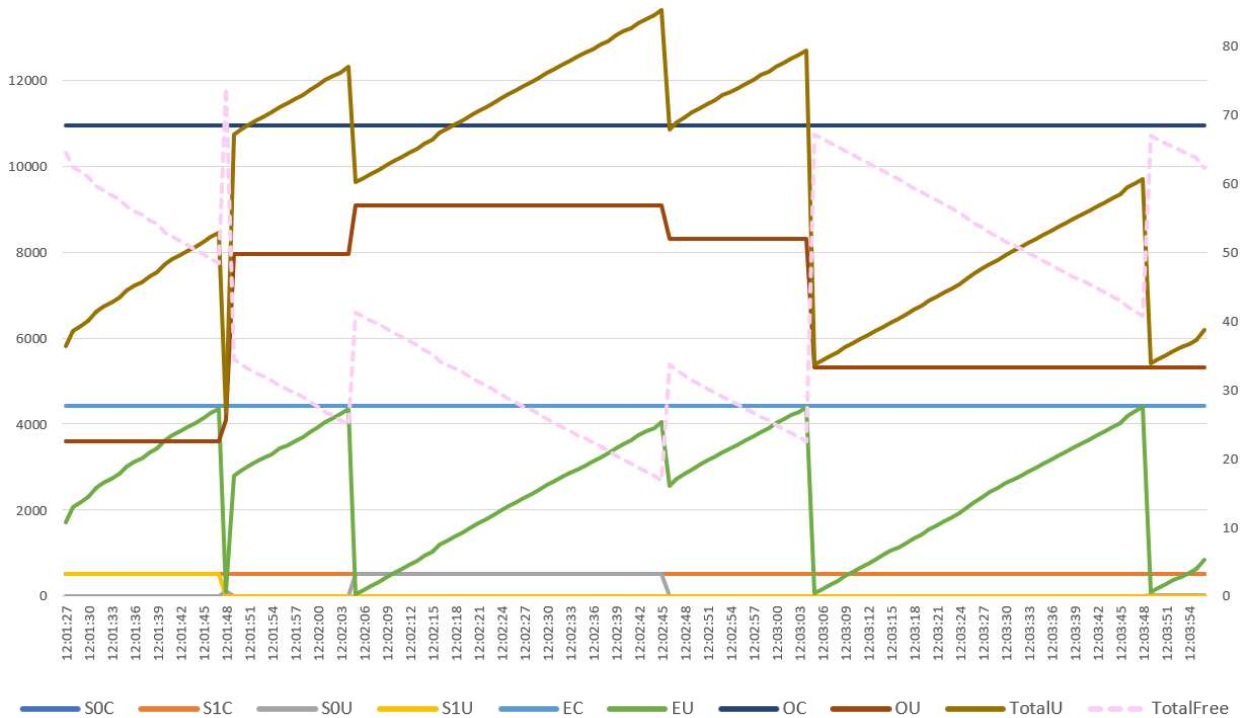
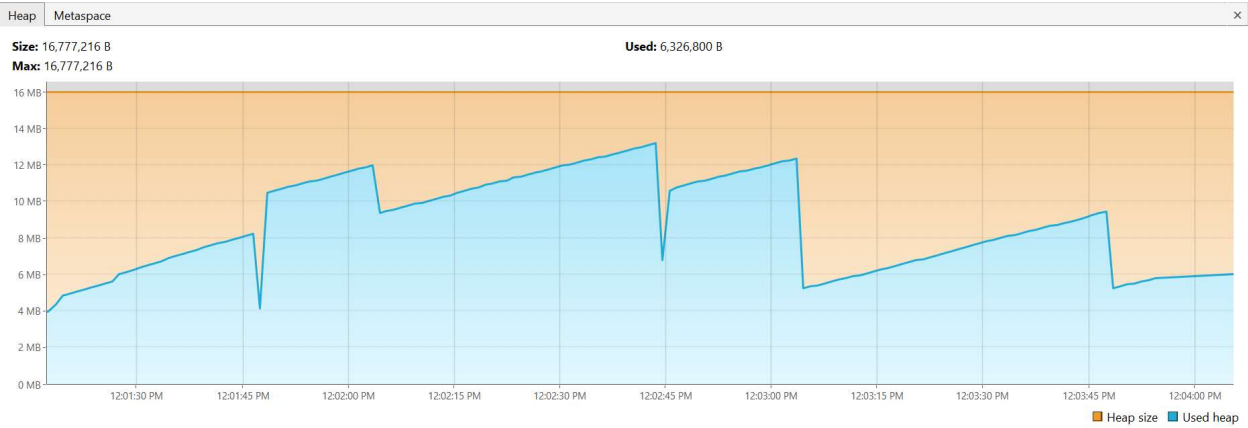
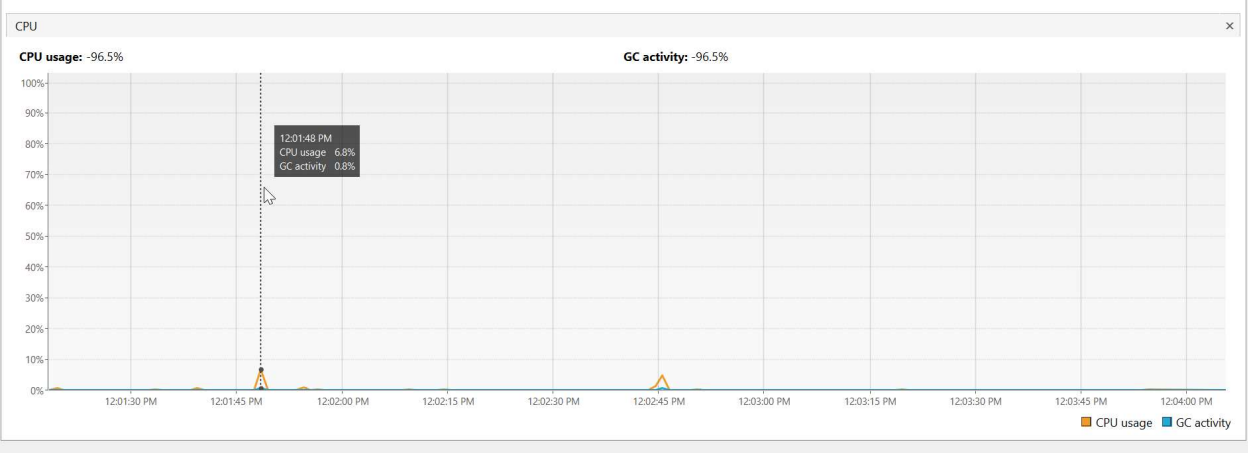
Leaks after software modifications6

 Graphs6

 Logs7

Leaks before software modifications

Graphs



Logs

[0.021s][info][gc] Using Serial

[8.060s][info][gc] GC(0) Pause Young (Allocation Failure) 4M->1M(15M) 3.952ms

[8.163s][info][gc] GC(1) Pause Young (Allocation Failure) 6M->2M(15M) 4.085ms

[8.236s][info][gc] GC(2) Pause Young (Allocation Failure) 6M->2M(15M) 1.933ms

[8.438s][info][gc] GC(3) Pause Young (Allocation Failure) 7M->3M(15M) 1.698ms

[8.683s][info][gc] GC(4) Pause Young (Allocation Failure) 7M->4M(15M) 3.744ms

[37.714s][info][gc] GC(5) Pause Young (Allocation Failure) 8M->4M(15M) 2.182ms

[39.186s][info][gc] GC(6) Pause Young (Allocation Failure) 8M->6M(15M) 3.721ms

[39.201s][info][gc] GC(7) Pause Young (Allocation Failure) 10M->8M(15M) 4.603ms

[39.213s][info][gc] GC(8) Pause Young (Allocation Failure) 13M->13M(15M) 0.037ms

[39.234s][info][gc] GC(9) Pause Full (Allocation Failure) 13M->8M(15M) 20.645ms

[39.246s][info][gc] GC(10) Pause Young (Allocation Failure) 12M->12M(15M) 0.036ms

[39.263s][info][gc] GC(11) Pause Full (Allocation Failure) 12M->6M(15M) 17.000ms

[39.279s][info][gc] GC(12) Pause Young (Allocation Failure) 11M->9M(15M) 3.788ms

[39.288s][info][gc] GC(13) Pause Young (Allocation Failure) 13M->13M(15M) 0.037ms

[39.308s][info][gc] GC(14) Pause Full (Allocation Failure) 13M->7M(15M) 19.722ms

[54.730s][info][gc] GC(15) Pause Young (Allocation Failure) 12M->9M(15M) 3.157ms

[95.679s][info][gc] GC(16) Pause Young (Allocation Failure) 13M->13M(15M) 0.039ms

[95.699s][info][gc] GC(17) Pause Full (Allocation Failure) 13M->4M(15M) 19.689ms

[95.714s][info][gc] GC(18) Pause Young (Allocation Failure) 8M->6M(15M) 2.872ms

[95.728s][info][gc] GC(19) Pause Young (Allocation Failure) 11M->9M(15M) 3.152ms

[95.739s][info][gc] GC(20) Pause Young (Allocation Failure) 13M->13M(15M) 0.033ms

[95.761s][info][gc] GC(21) Pause Full (Allocation Failure) 13M->8M(15M) 21.649ms

[95.772s][info][gc] GC(22) Pause Young (Allocation Failure) 13M->13M(15M) 0.033ms

[95.793s][info][gc] GC(23) Pause Full (Allocation Failure) 13M->6M(15M) 20.773ms

[95.806s][info][gc] GC(24) Pause Young (Allocation Failure) 10M->9M(15M) 3.624ms

[95.815s][info][gc] GC(25) Pause Young (Allocation Failure) 13M->13M(15M) 0.036ms

[95.835s][info][gc] GC(26) Pause Full (Allocation Failure) 13M->8M(15M) 20.348ms

[114.772s][info][gc] GC(27) Pause Young (Allocation Failure) 12M->12M(15M) 0.053ms

[114.789s][info][gc] GC(28) Pause Full (Allocation Failure) 12M->5M(15M) 17.232ms

[158.808s][info][gc] GC(29) Pause Young (Allocation Failure) 9M->5M(15M) 0.812ms

Software modifications

Next modifications had been made:

- Static fields deletions
 - Class – PostStore; Collection - posts
 - Class – UserGenerator; Collections – names; patrons; surnames; users
 - Class – CommentGenerator; Collections – comments; phrases
- Finalize() method had been deleted
 - Class – Comment
 - Class – User
 - Class - Post
- Equal and hashCode were overridden
 - Class – Comment
 - Class – User
 - Class – Post

Leaks after software modifications

Graphs



Logs

[0.028s][info][gc] Using Serial

[3.901s][info][gc] GC(0) Pause Young (Allocation Failure) 4M->1M(15M) 8.093ms

[4.000s][info][gc] GC(1) Pause Young (Allocation Failure) 6M->2M(15M) 3.509ms

[4.067s][info][gc] GC(2) Pause Young (Allocation Failure) 6M->2M(15M) 2.227ms

[4.945s][info][gc] GC(3) Pause Young (Allocation Failure) 7M->3M(15M) 1.769ms

[5.188s][info][gc] GC(4) Pause Young (Allocation Failure) 7M->4M(15M) 4.087ms

[28.874s][info][gc] GC(5) Pause Young (Allocation Failure) 8M->4M(15M) 2.140ms

[28.897s][info][gc] GC(6) Pause Young (Allocation Failure) 8M->4M(15M) 0.646ms

[28.909s][info][gc] GC(7) Pause Young (Allocation Failure) 8M->4M(15M) 1.190ms

[28.918s][info][gc] GC(8) Pause Young (Allocation Failure) 8M->4M(15M) 0.701ms

[28.929s][info][gc] GC(9) Pause Young (Allocation Failure) 8M->4M(15M) 0.969ms

[28.936s][info][gc] GC(10) Pause Young (Allocation Failure) 8M->4M(15M) 0.683ms

[50.235s][info][gc] GC(11) Pause Young (Allocation Failure) 8M->4M(15M) 1.130ms

[89.146s][info][gc] GC(12) Pause Young (Allocation Failure) 8M->4M(15M) 0.959ms

[89.154s][info][gc] GC(13) Pause Young (Allocation Failure) 8M->4M(15M) 0.657ms

[89.161s][info][gc] GC(14) Pause Young (Allocation Failure) 8M->4M(15M) 0.545ms

[89.168s][info][gc] GC(15) Pause Young (Allocation Failure) 8M->4M(15M) 0.633ms

[89.175s][info][gc] GC(16) Pause Young (Allocation Failure) 8M->4M(15M) 0.547ms

[89.181s][info][gc] GC(17) Pause Young (Allocation Failure) 8M->4M(15M) 0.551ms

[114.235s][info][gc] GC(18) Pause Young (Allocation Failure) 8M->4M(15M) 0.614ms

[158.330s][info][gc] GC(19) Pause Young (Allocation Failure) 8M->4M(15M) 0.690ms