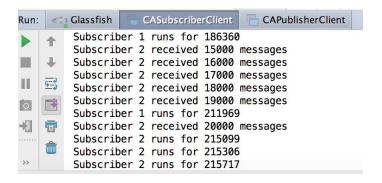
## Step1: Basic Functional Correctness

First, start the glassfish server and deploy the web application. The output is:



Then run two subscriber client threads. One subscriber subscribes to Topic1 and the other subscribes to Topic2. Below is the output (including running time) after the two subscriber received all the messages. The one who received 10000 messages ran for about 16 seconds, the other with 20000 messages ran for 21 seconds.





Finally start 3 publisher client threads. Two published to Topic1 and the other published to Topic2, each published 10000 messages. The running time for all 3 publisher threads is about 16 seconds (which is approximately the same as the running time of subscriber 1).

