 Ingeniería Informática del Software

**Diseño y Pruebas**

**Informe jMeter – D12: Item 6.**

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# Introducción

En las próximas páginas se mostrará un análisis de las pruebas realizadas con la herramienta jMeter sobre nuestro proyecto.

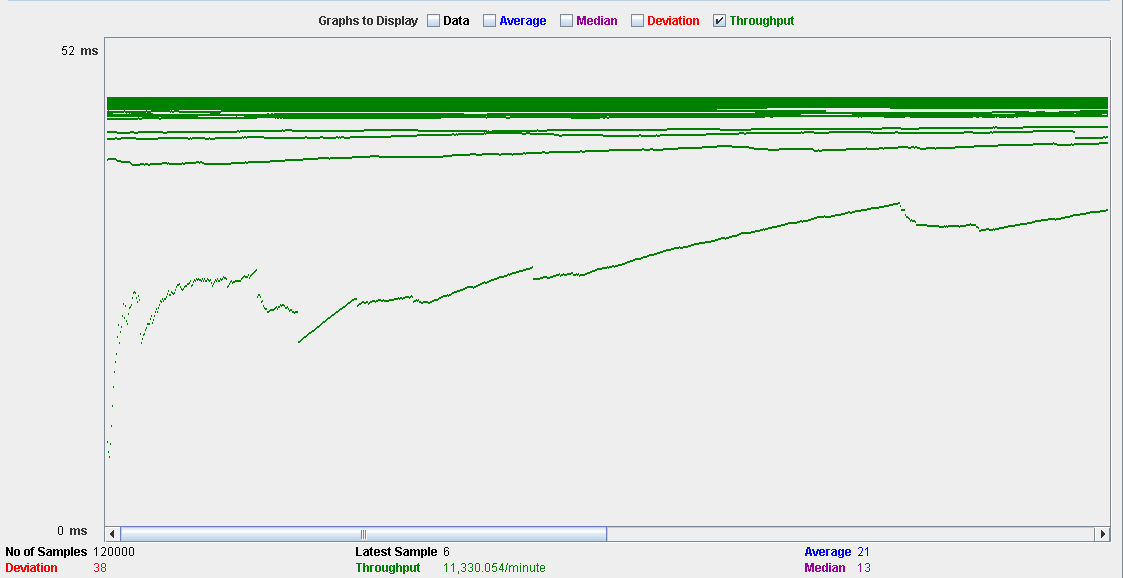
Se destacará cual es el máximo rendimiento del sistema y se mostrarán capturas que lo confirmen.

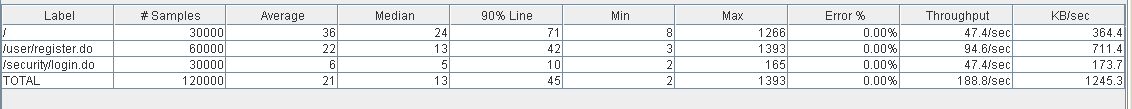
# Análisis máximo rendimiento

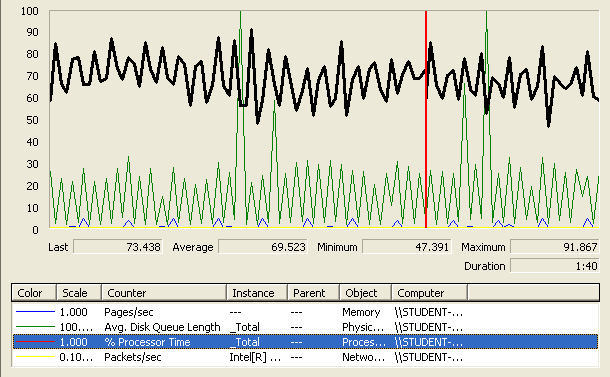
Mediante el uso de jMeter hemos obtenido un script para cada caso de uso. Para cada uno de ellos se han realizado pruebas primero comenzando con 10,20,50,100,150 y 200 usuarios. Al usar una carga de 200 usuarios ya comenzaba a dar fallos en la mayoría de casos de uso, así que al final quedamos en hacer los casos de uso con 150 usuarios y 200 repeticiones.

Todos los test tendrán los resultados en forma de grafo, con números y además de una imagen del rendimiento, destacando el cuello de botella.

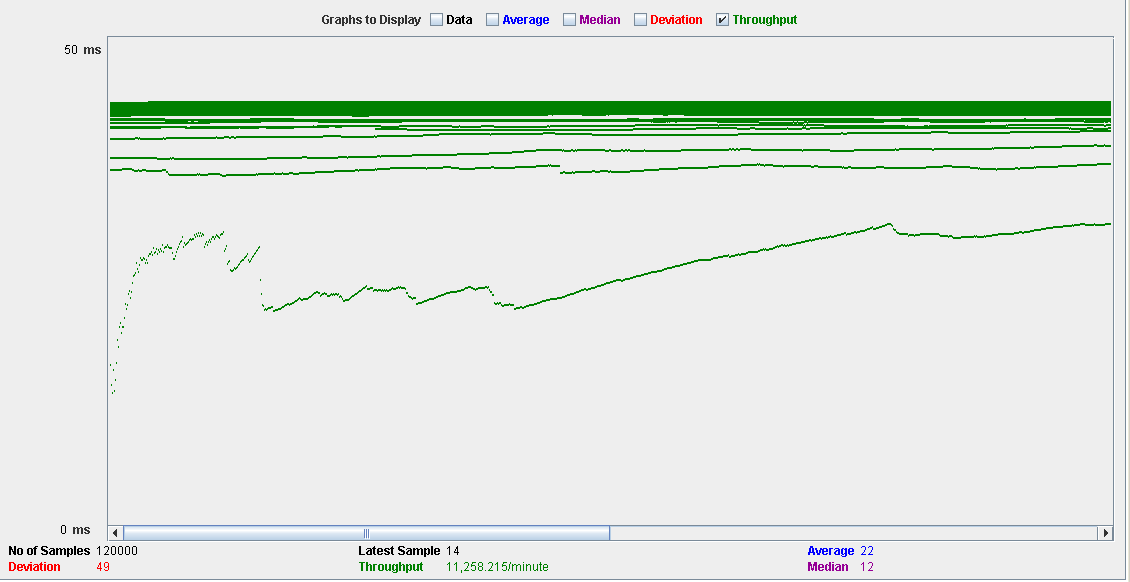
# Register as user

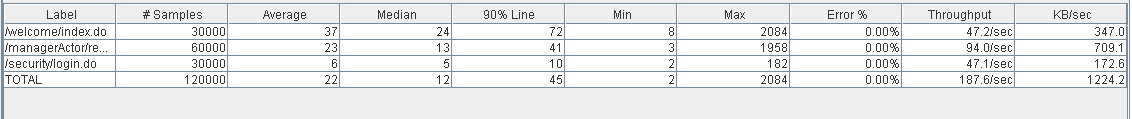


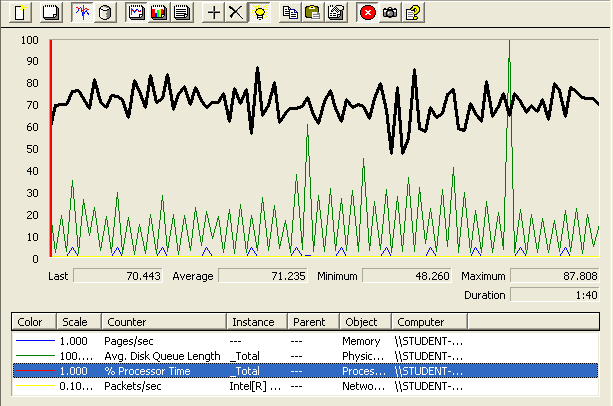




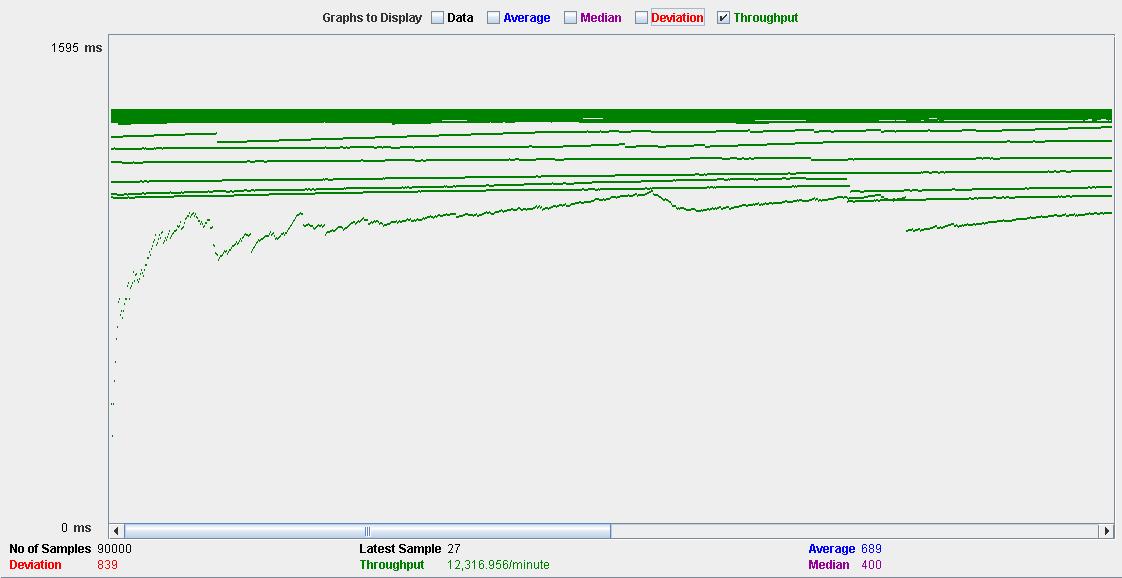
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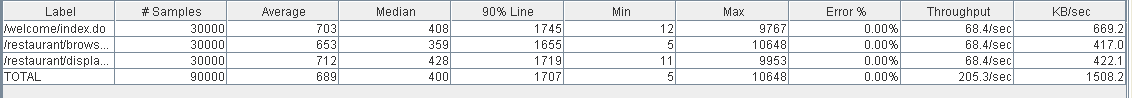


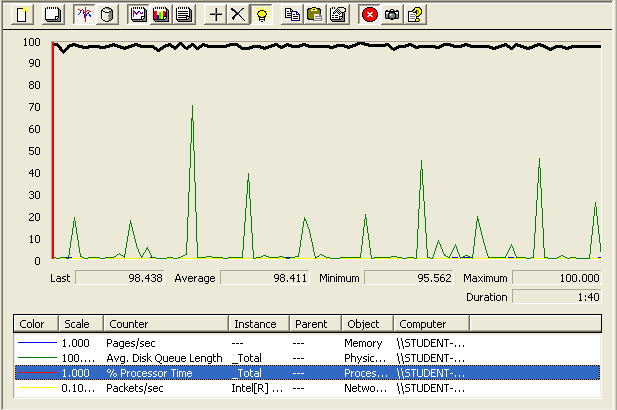




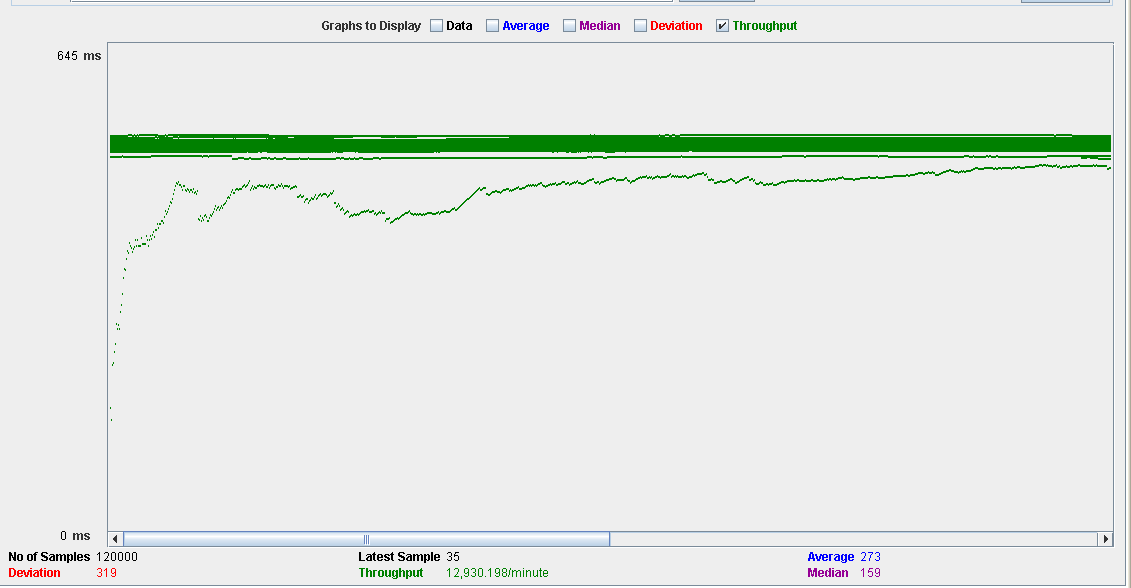
# Browse Restaurants

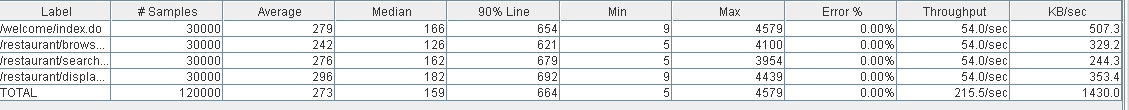


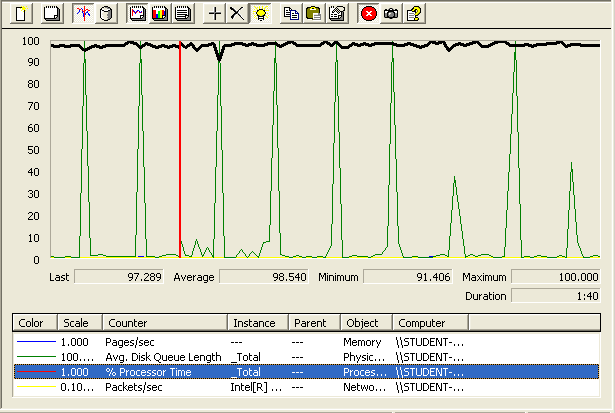




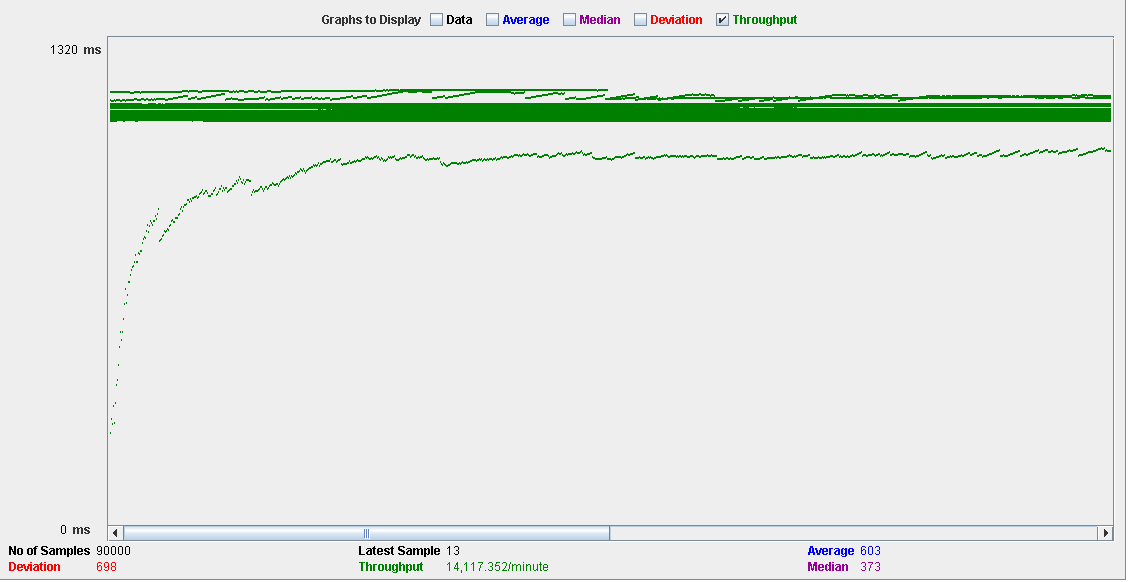
# Search Restaurant

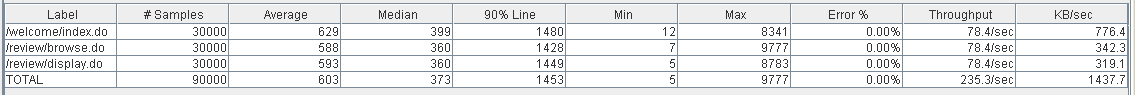


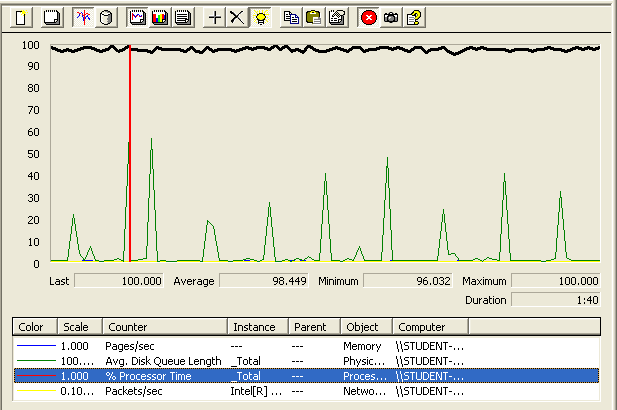




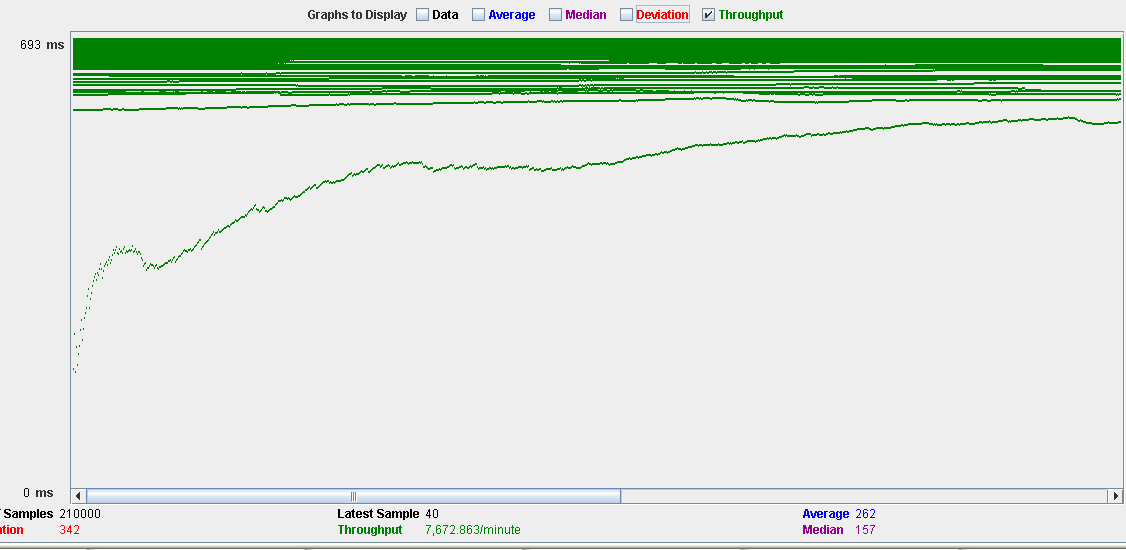
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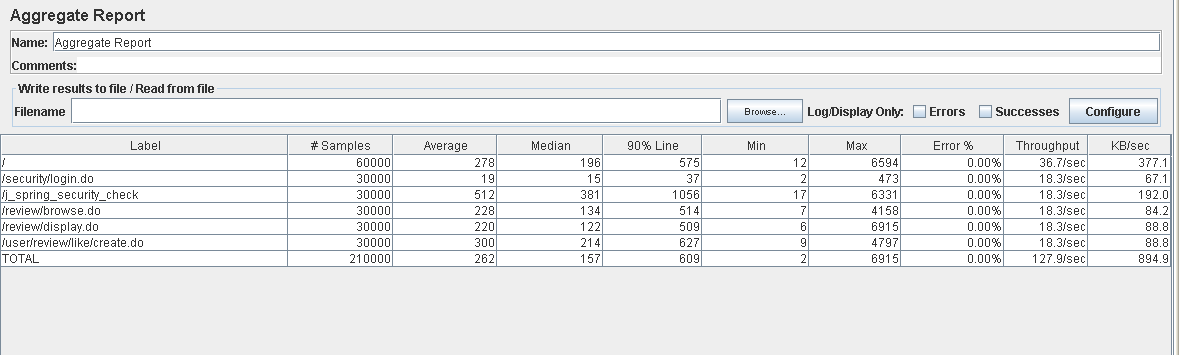


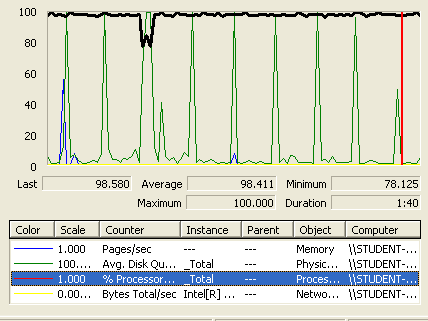




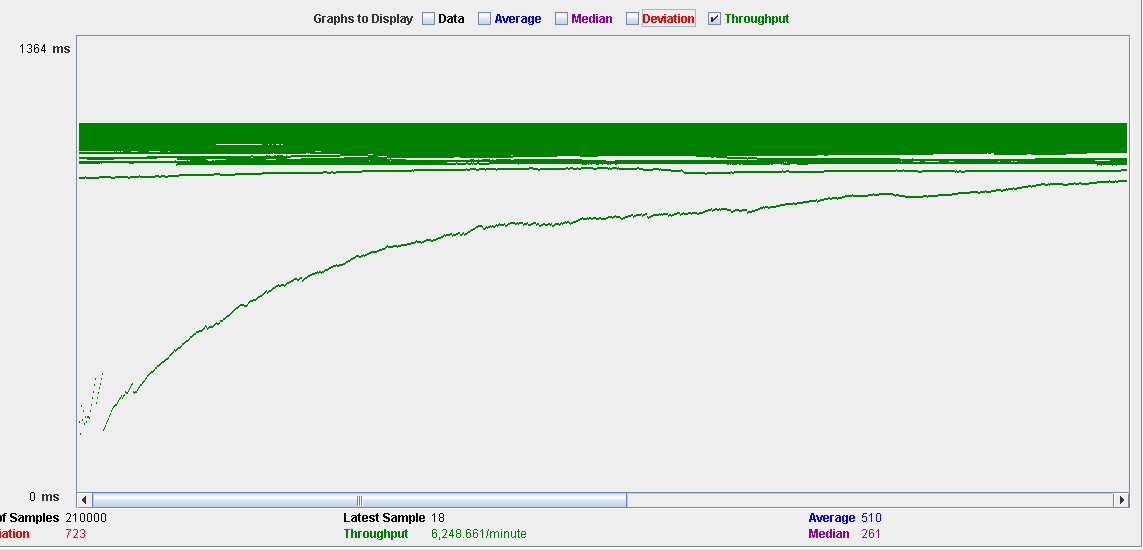
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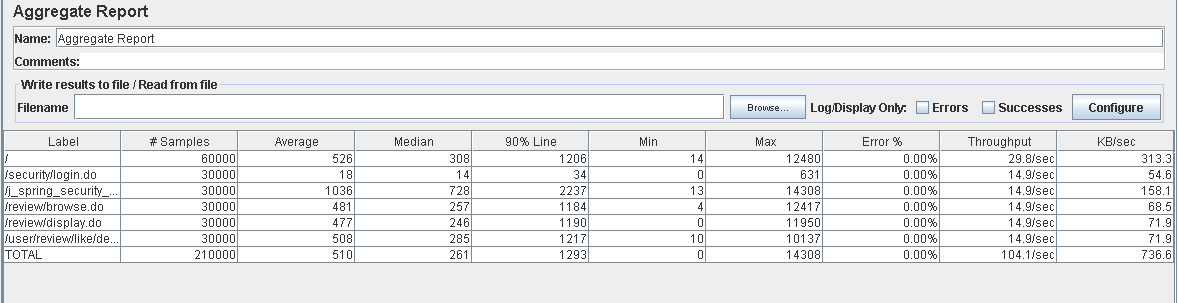


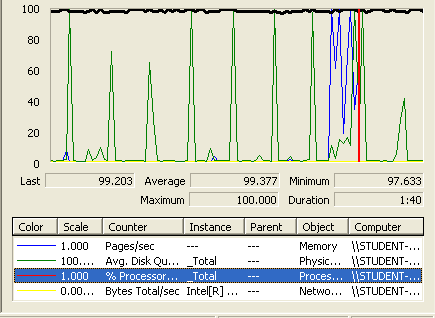




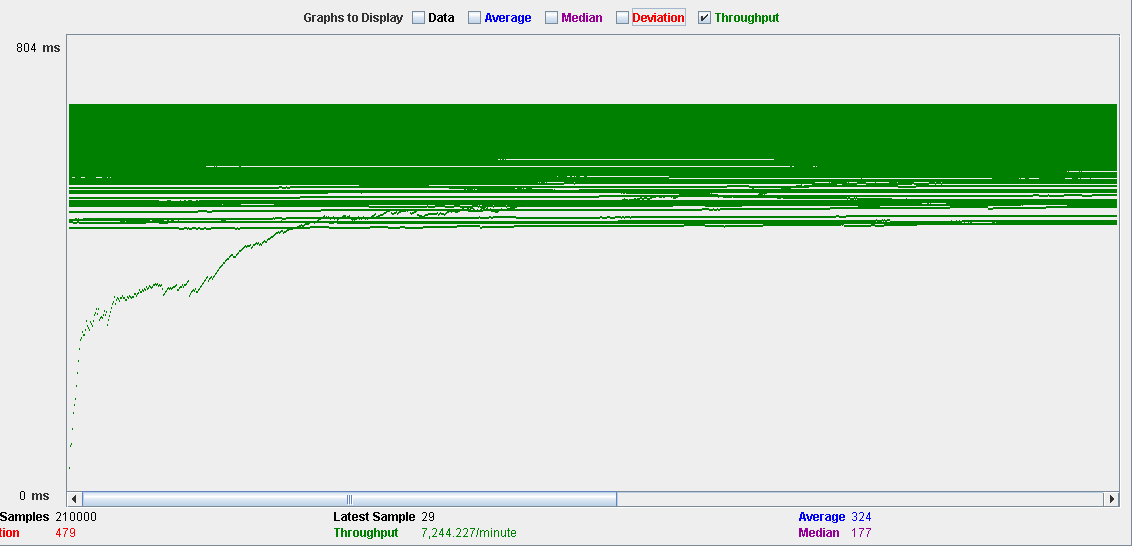
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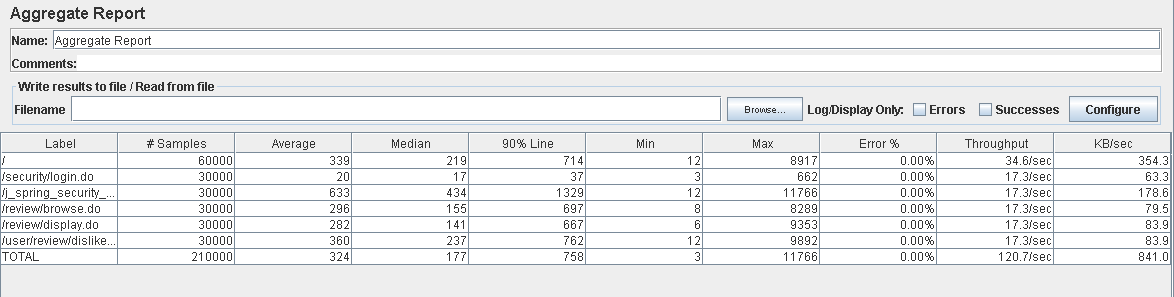


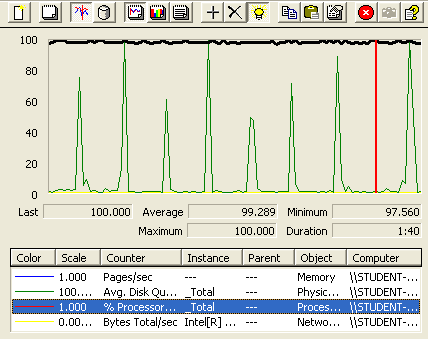




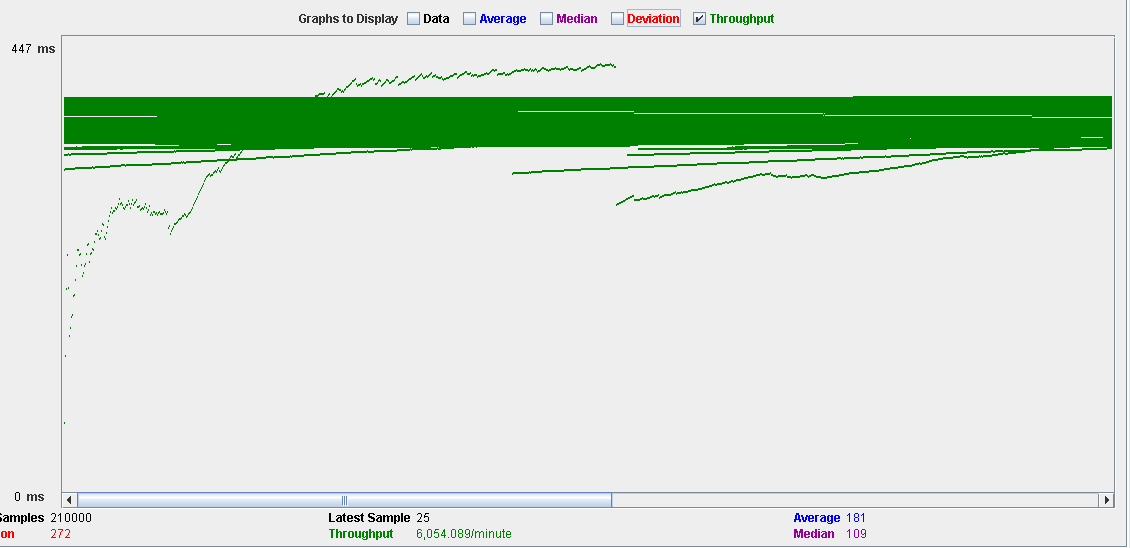
# Dislike a Review

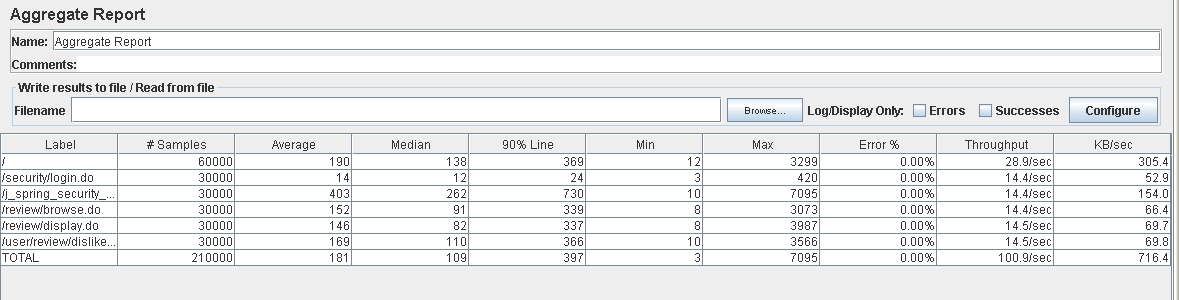


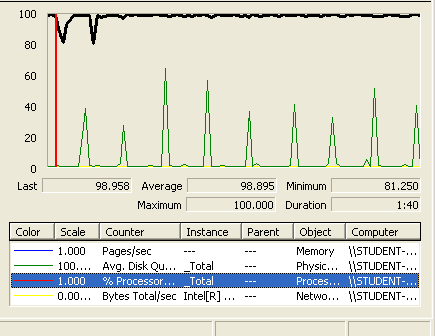




# Un-dislike a review

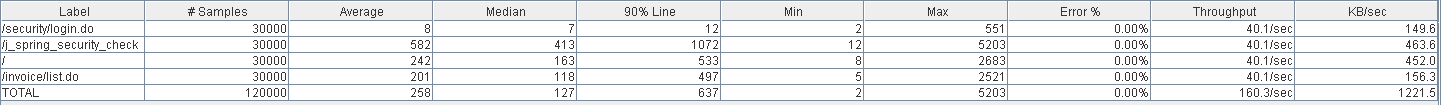


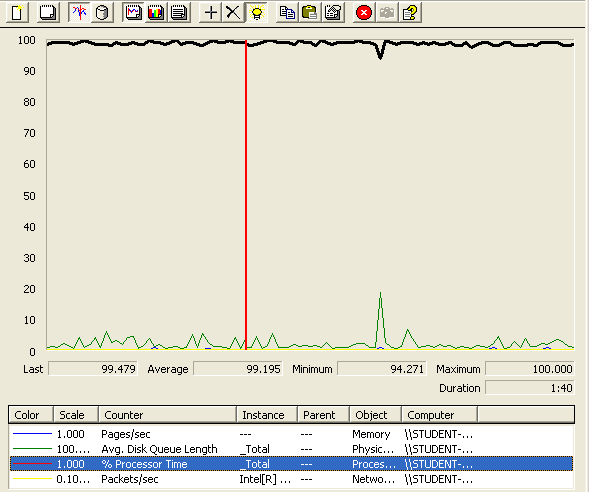




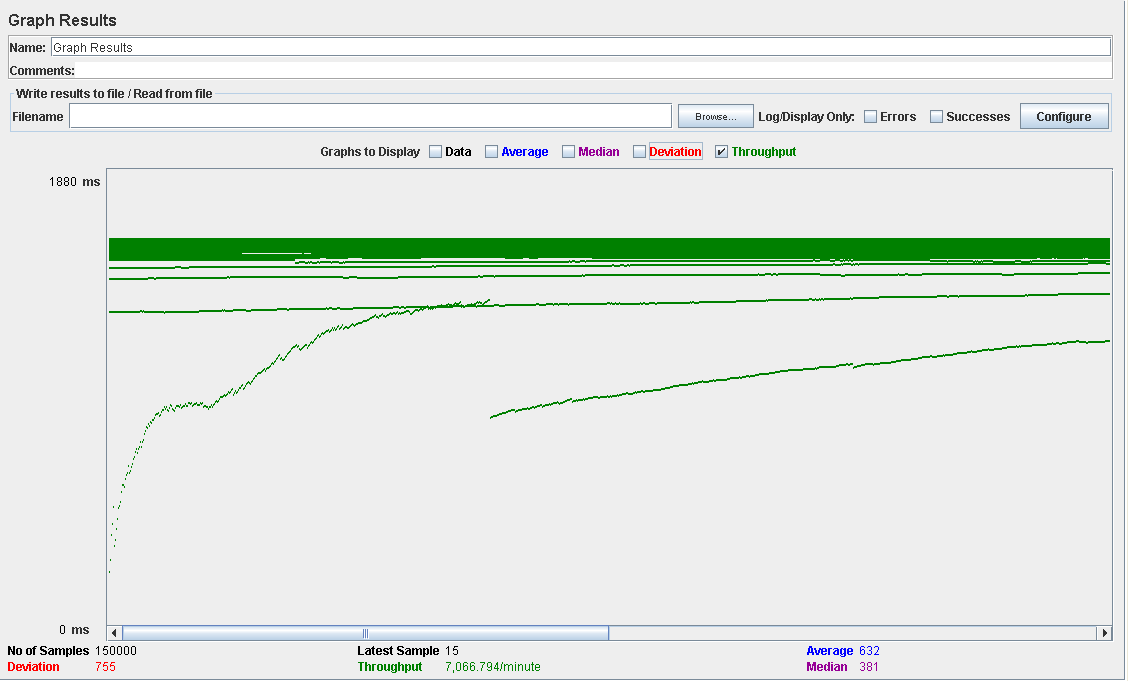
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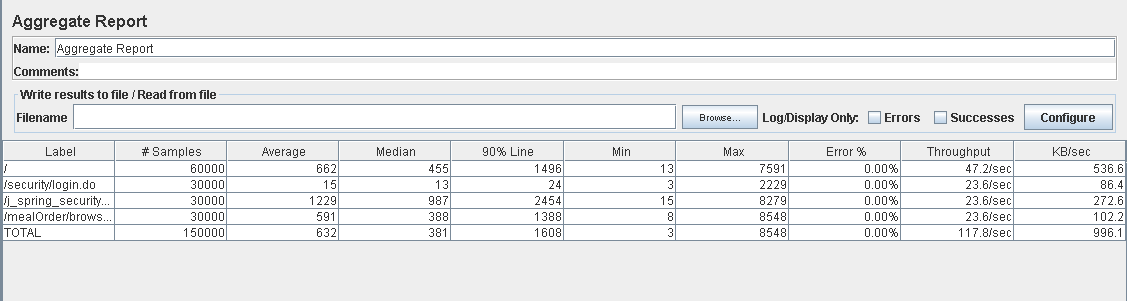


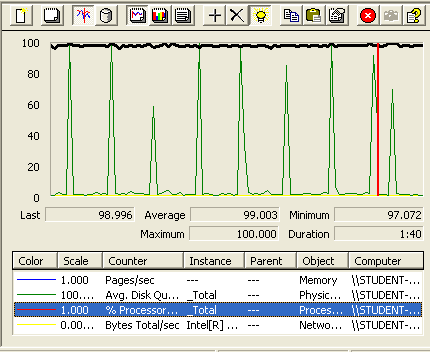




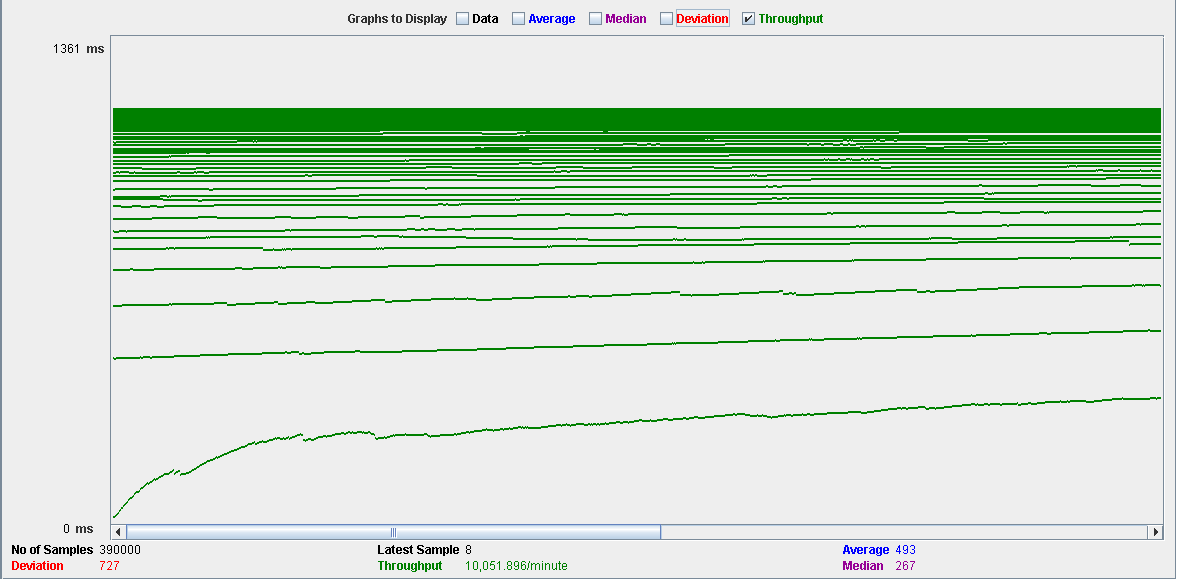
# List orders

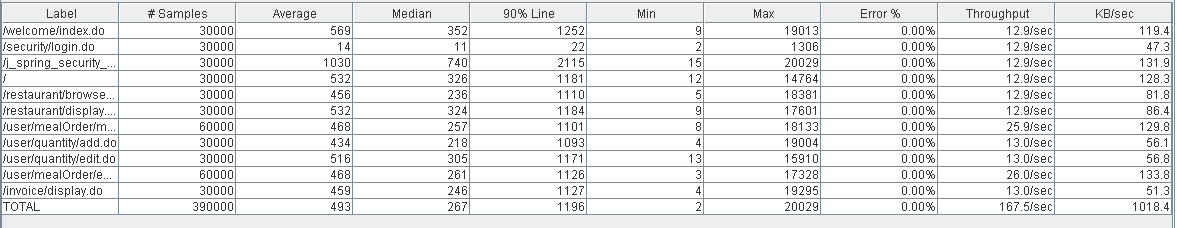


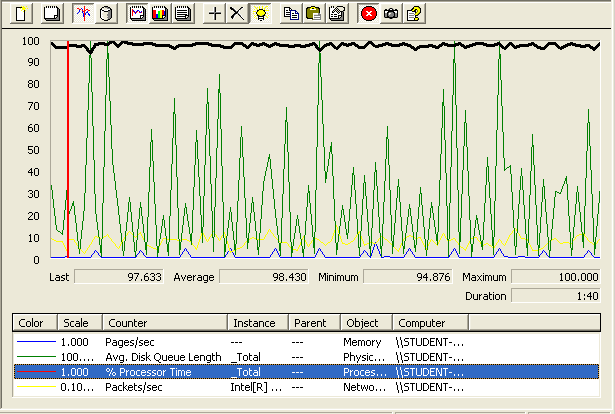




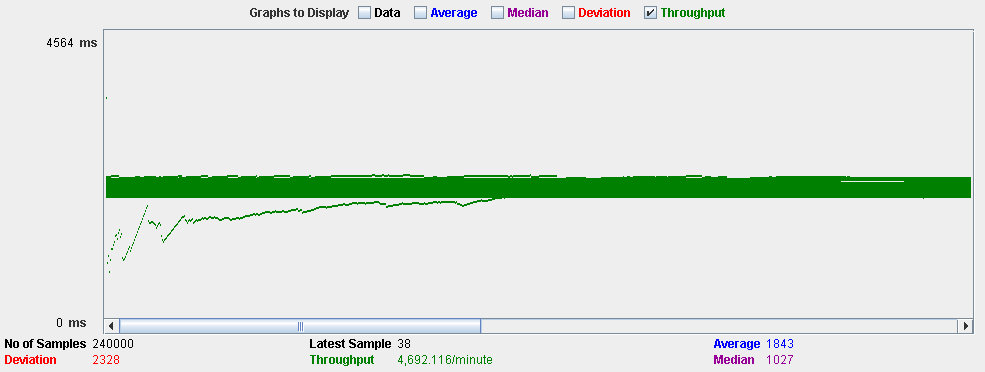
# Make order

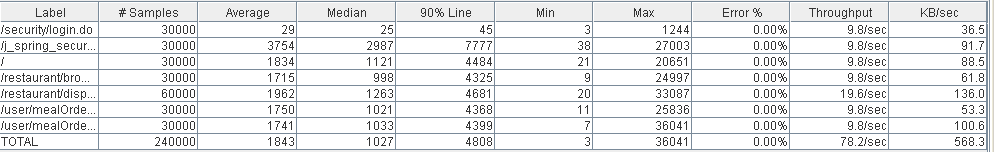


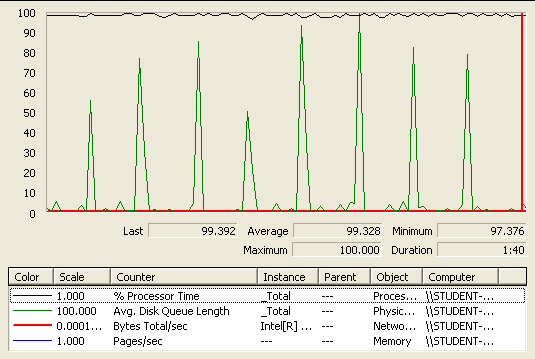




# Delete order

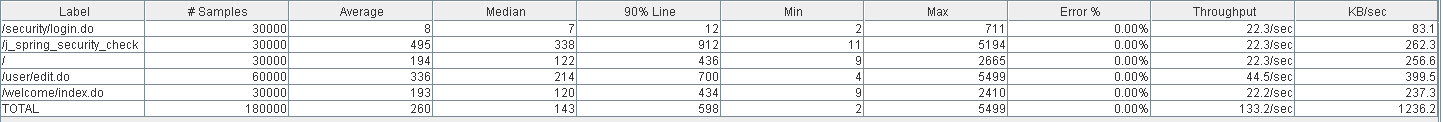


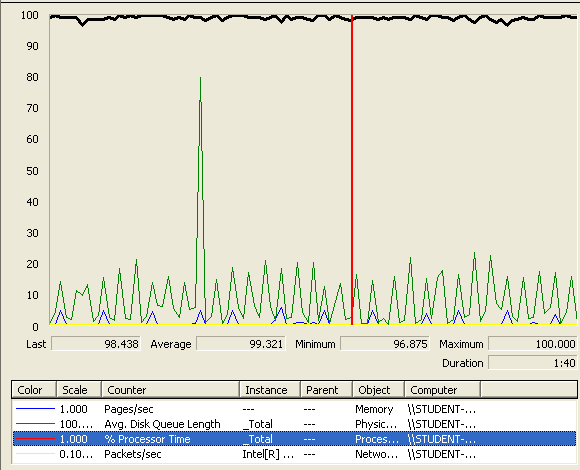




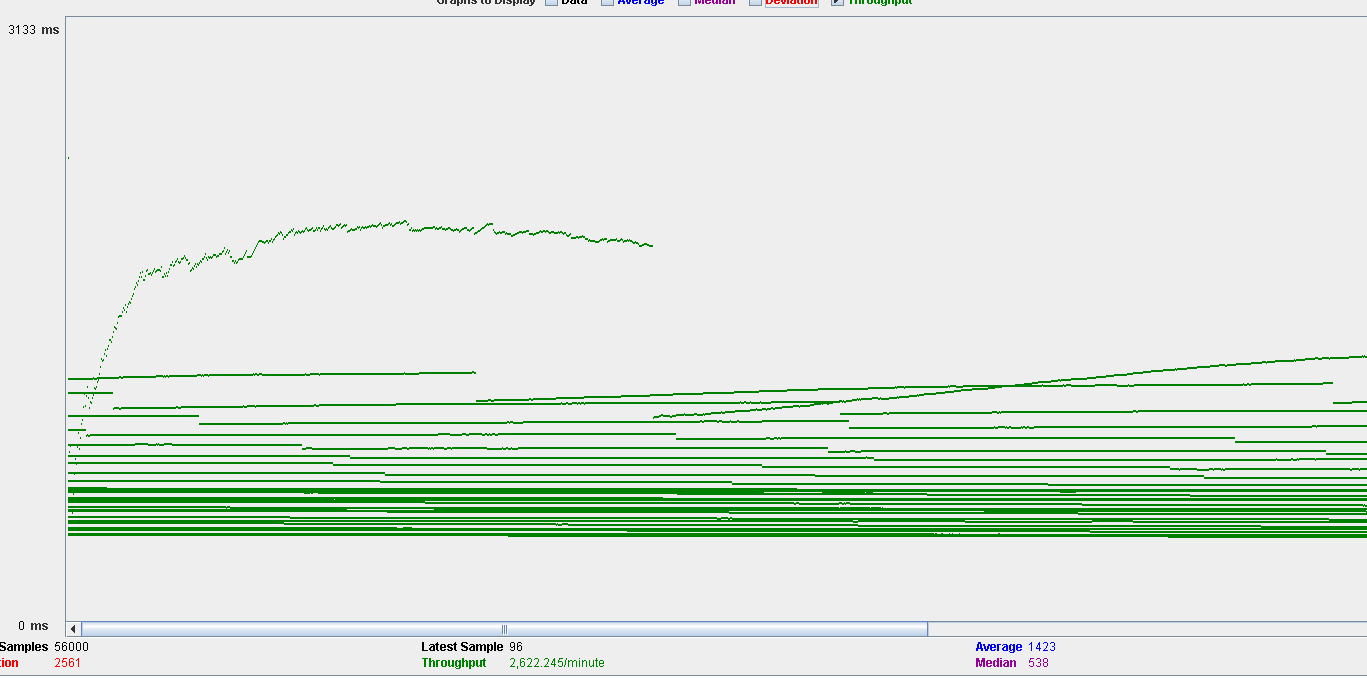
# Edit user profile

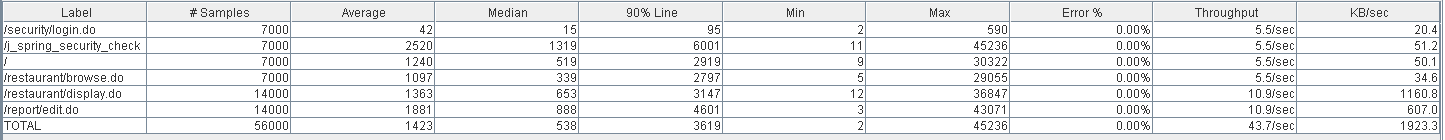


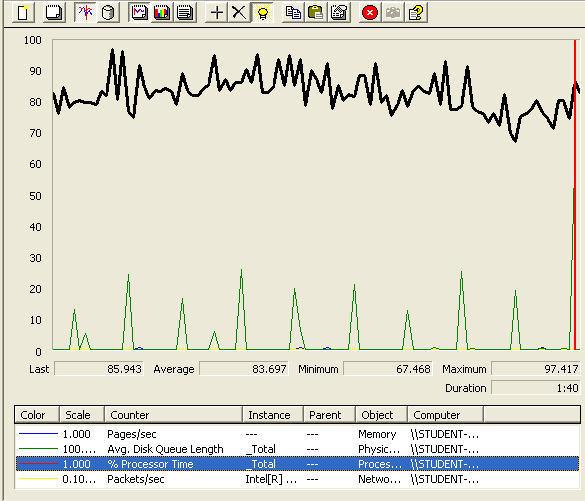




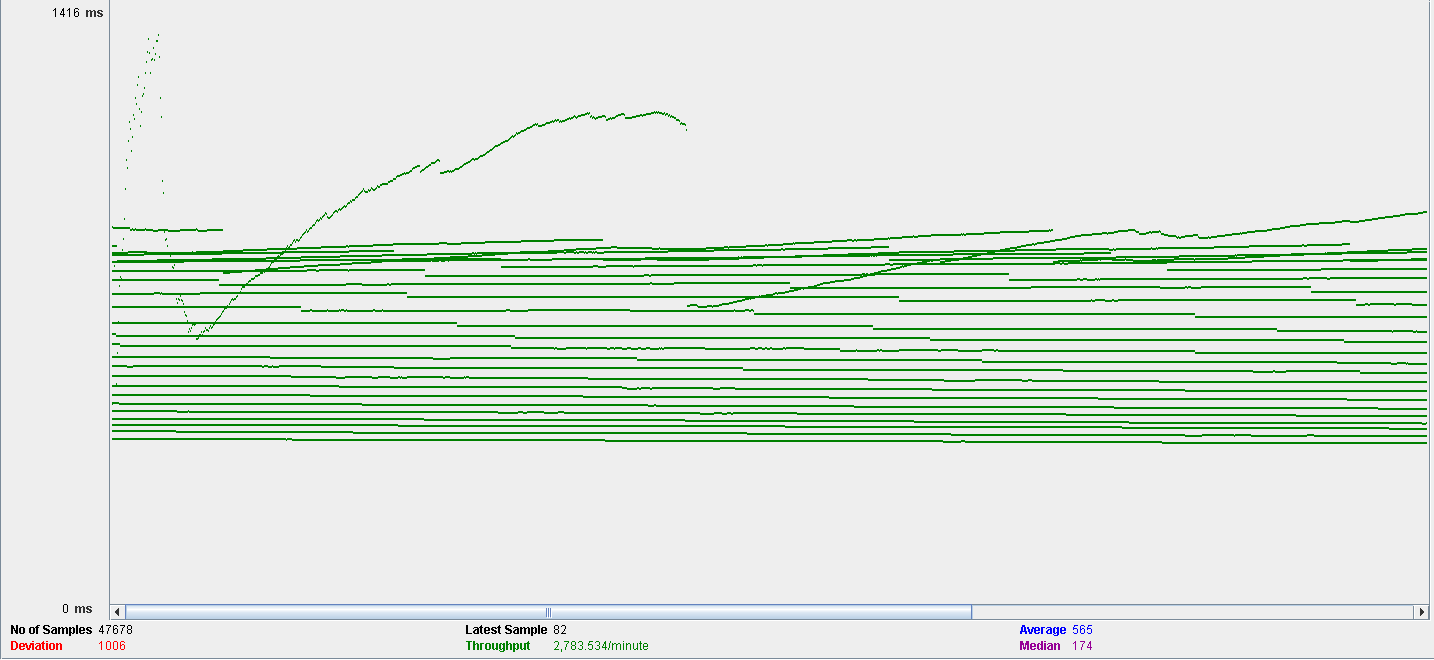
# Report a comment as user

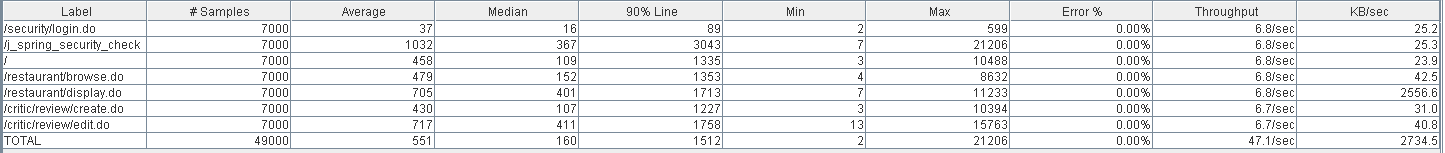


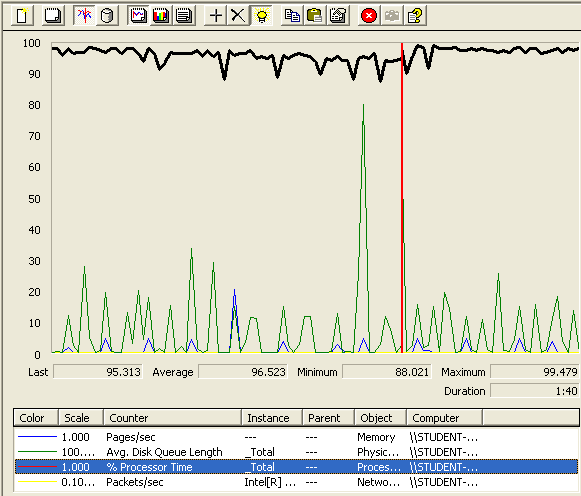




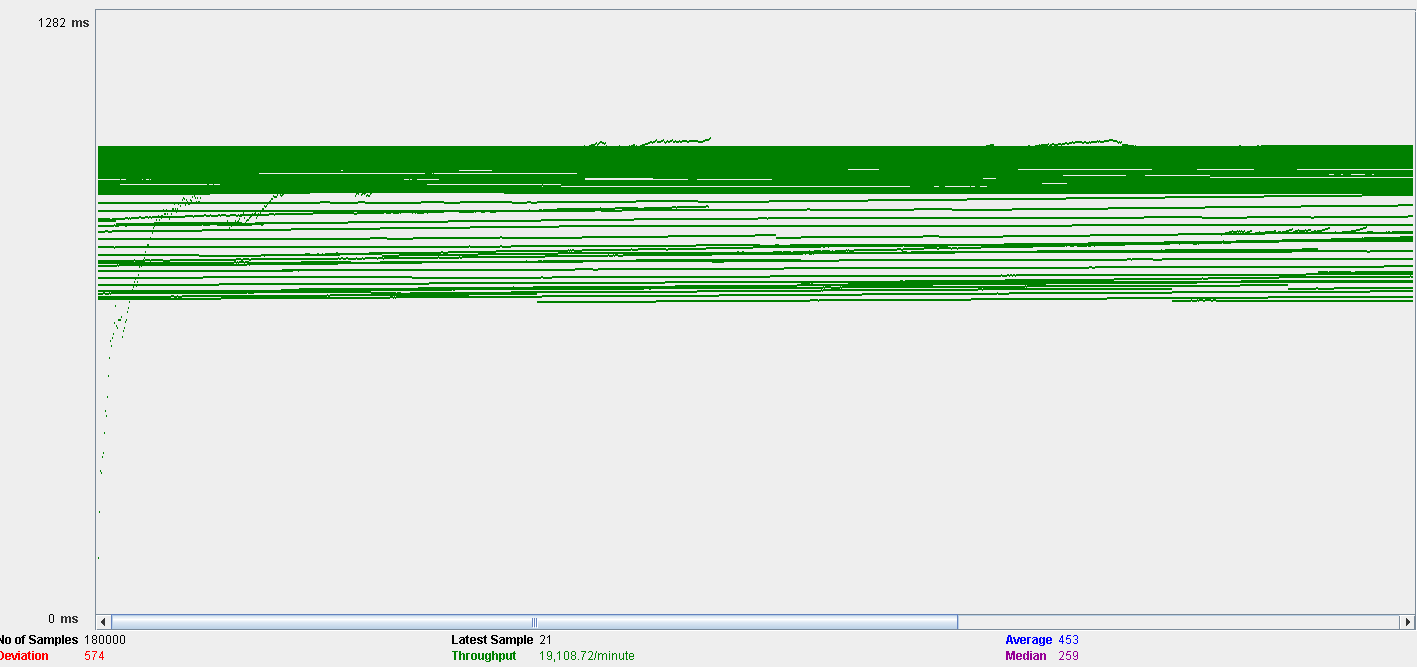
# Create Review

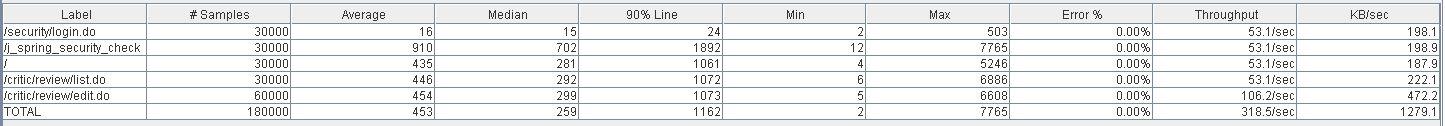


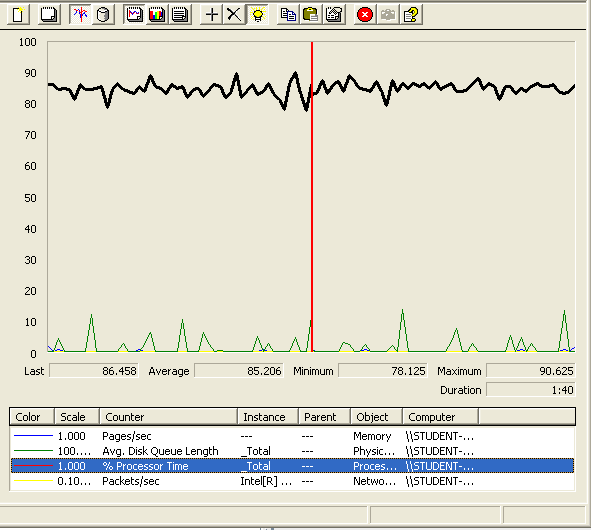




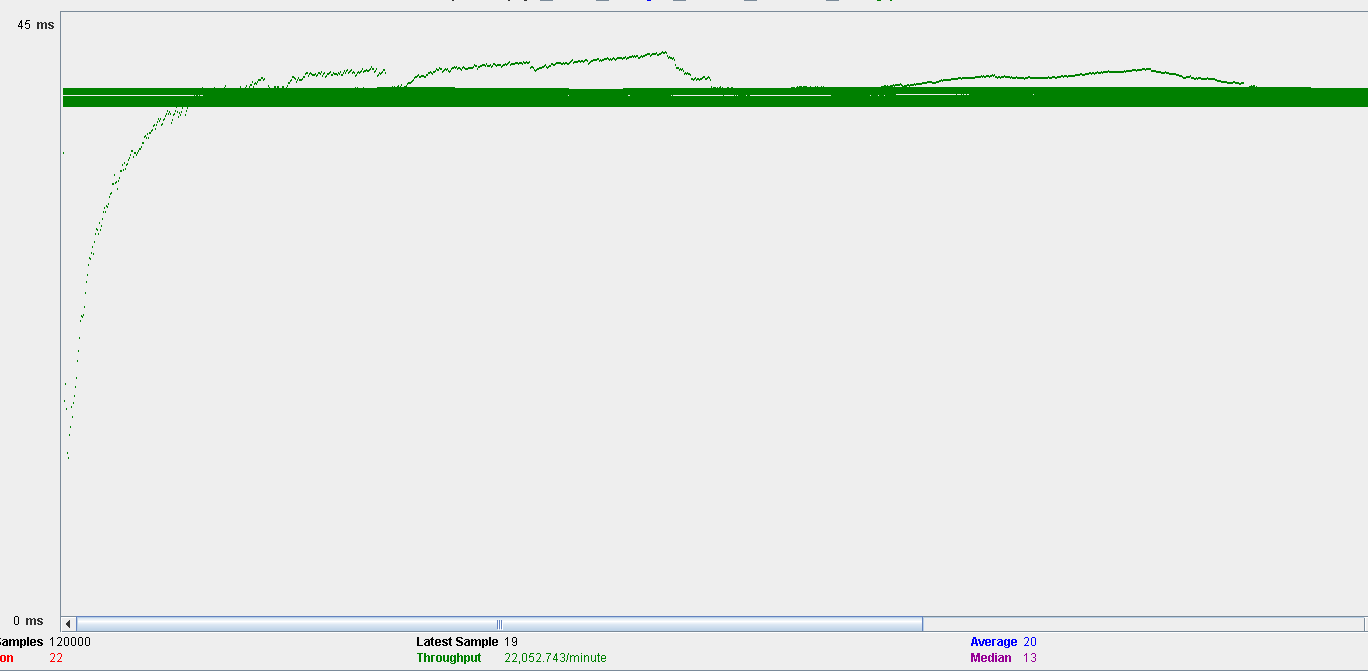
# List and edit a review

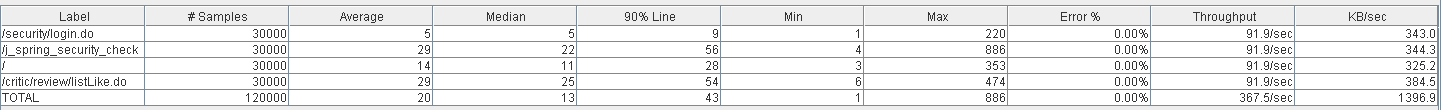


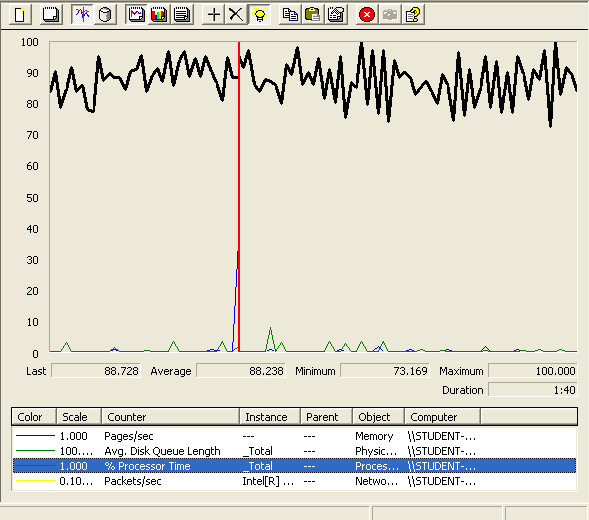




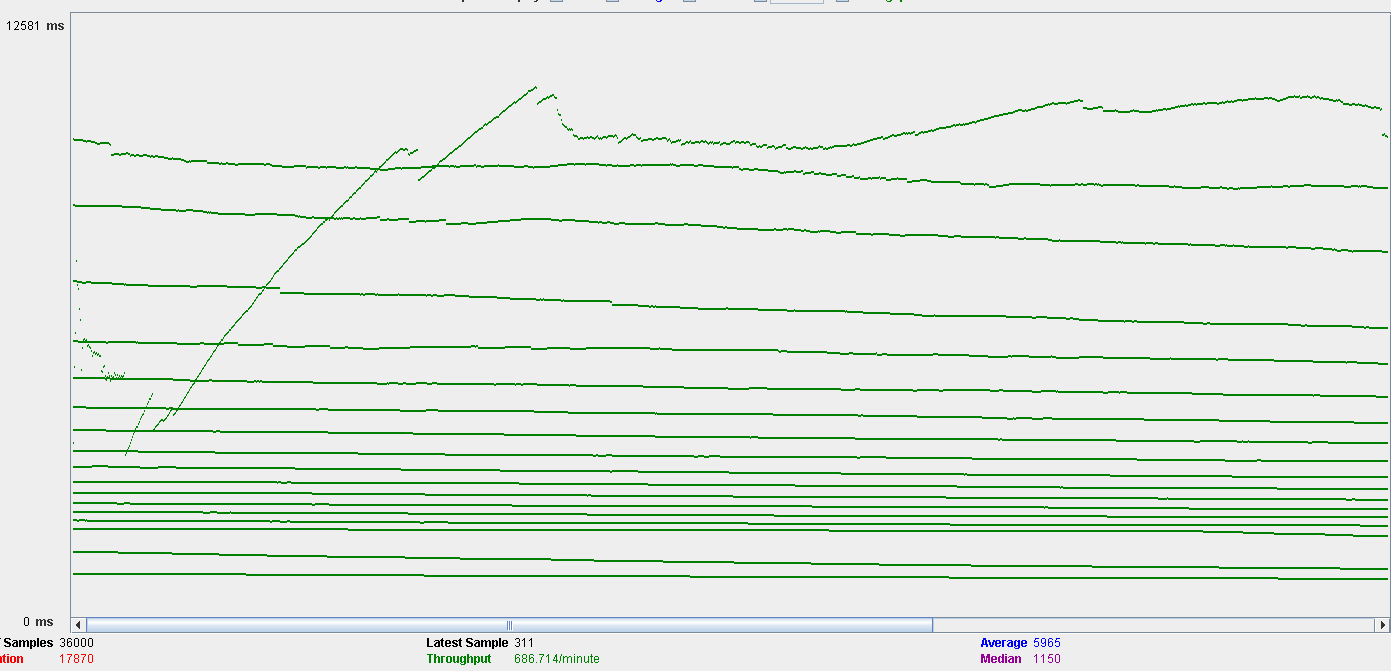
# List reviews by likes

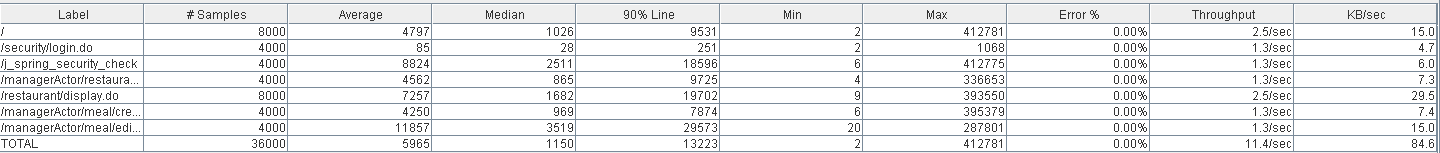


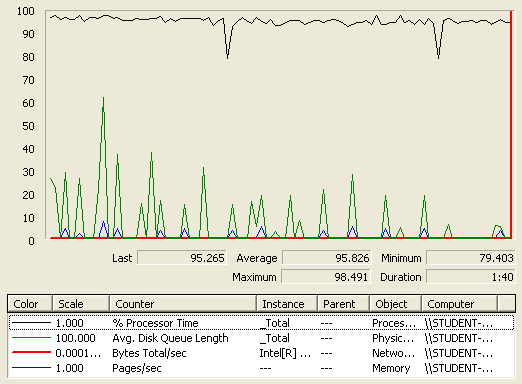




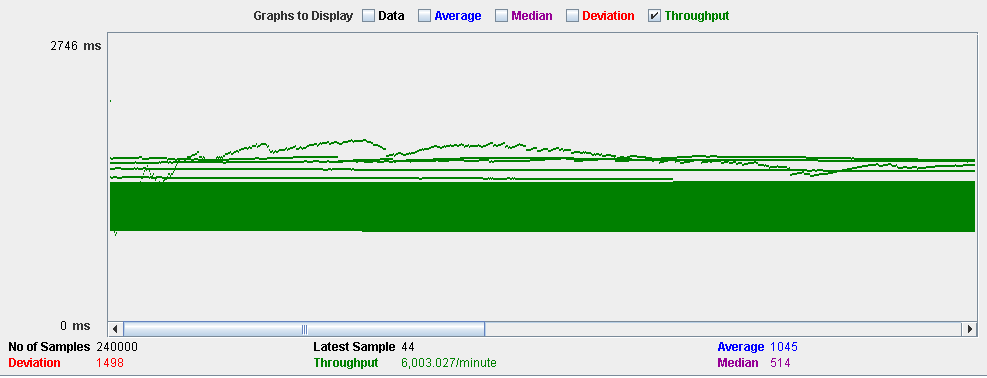
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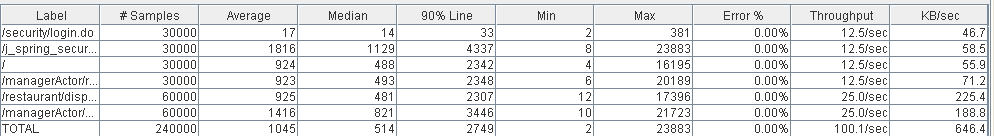


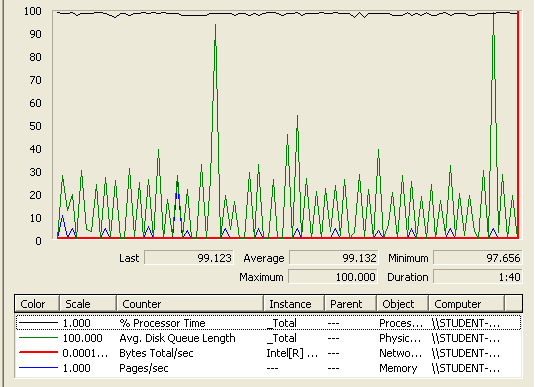




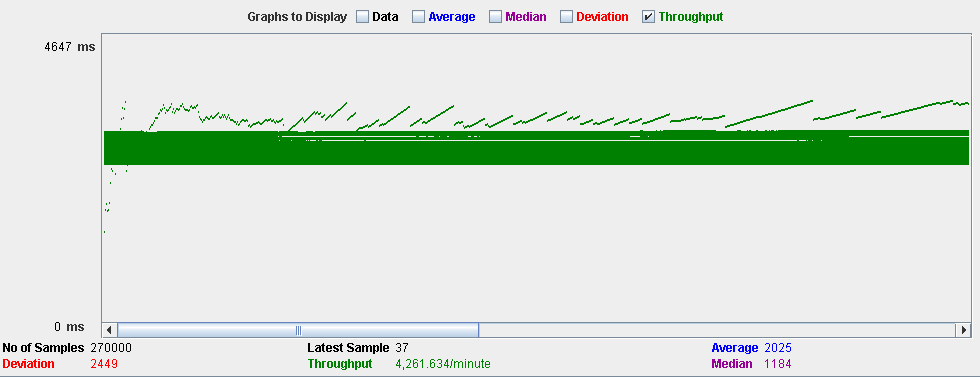
# List and edit meal

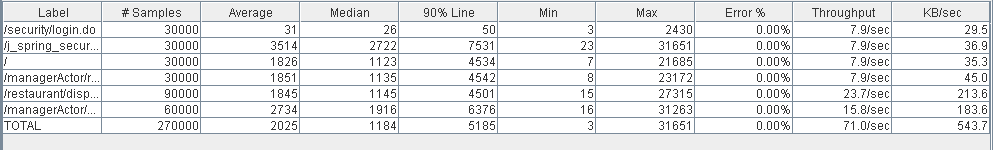


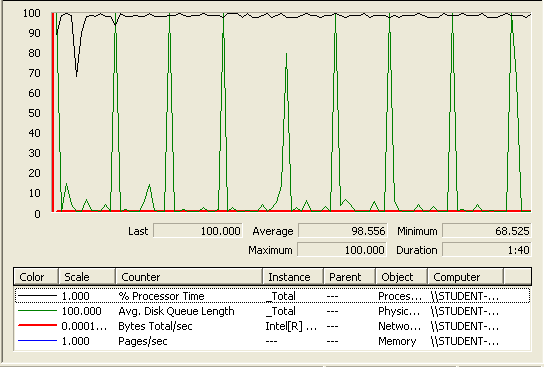




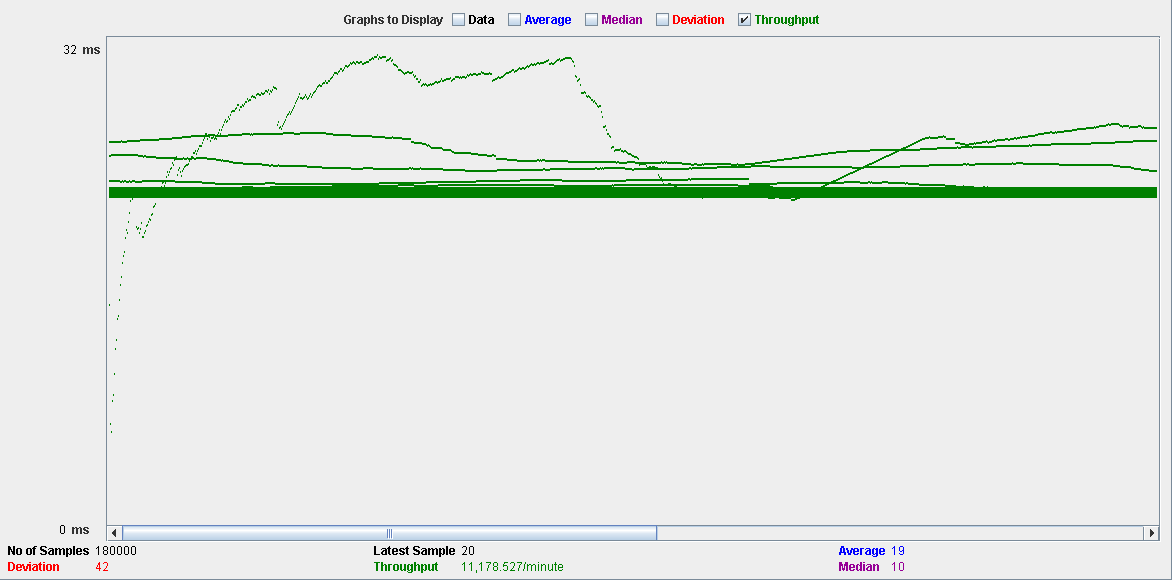
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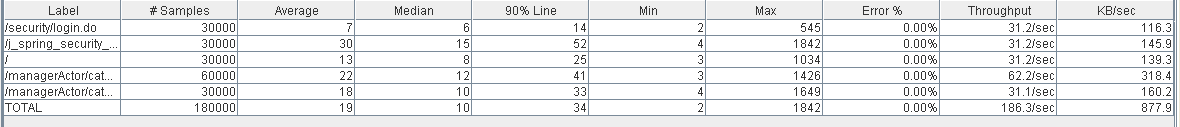


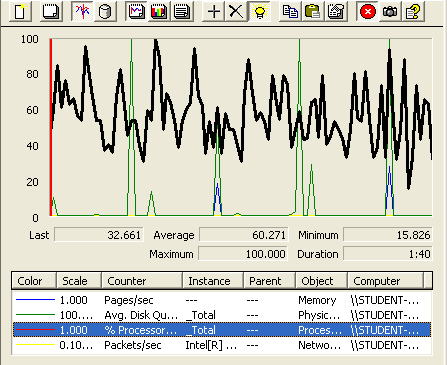




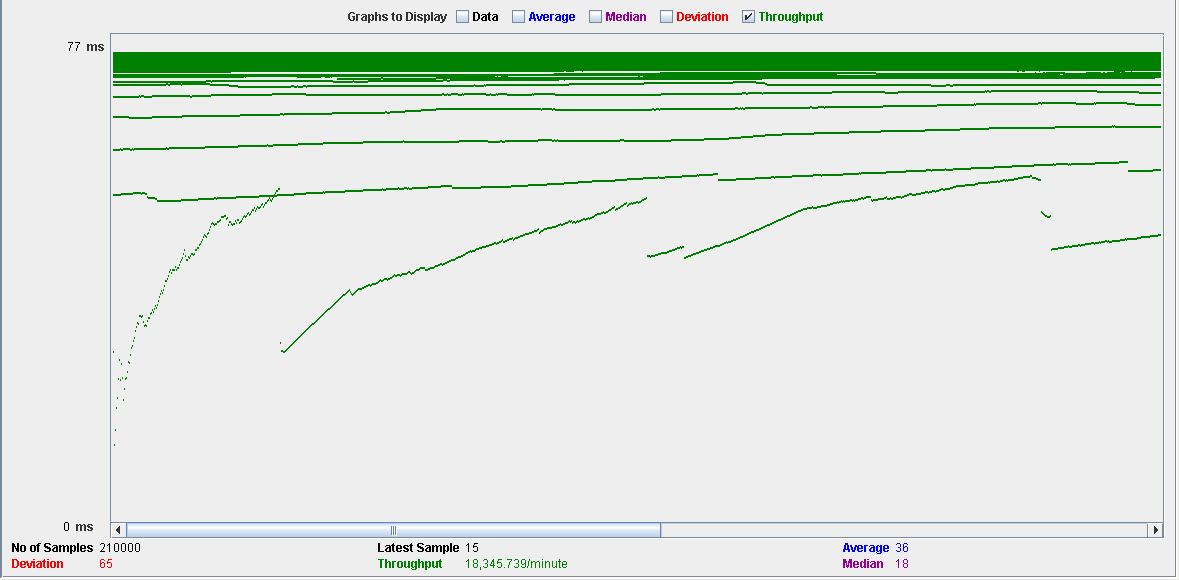
# Create category

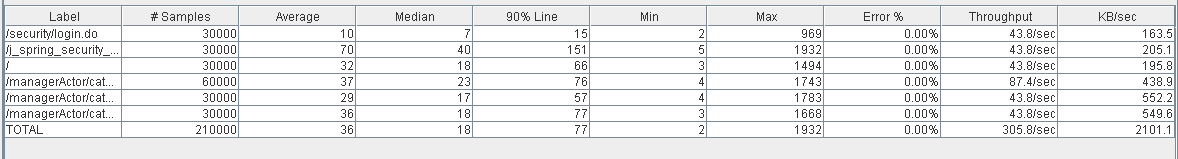


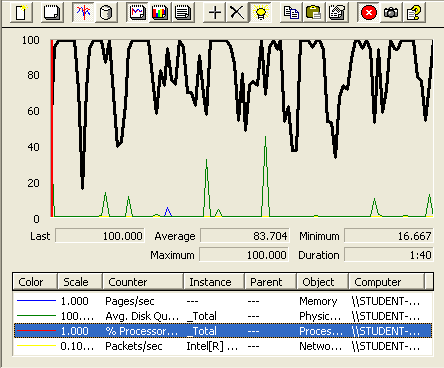




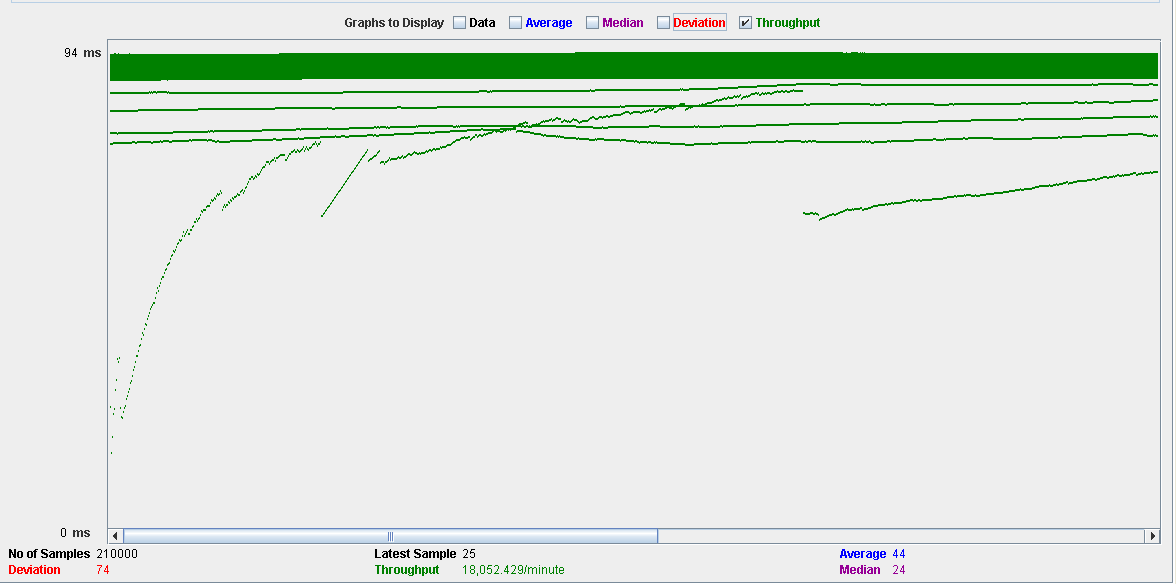
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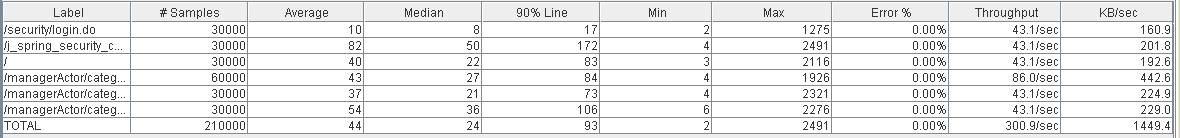


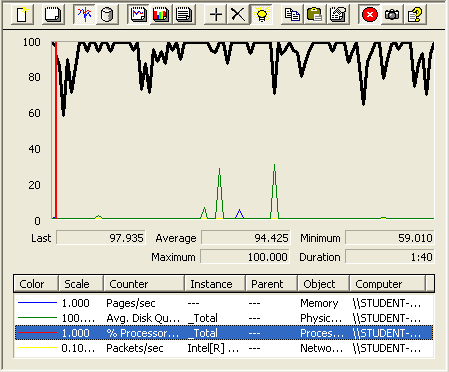




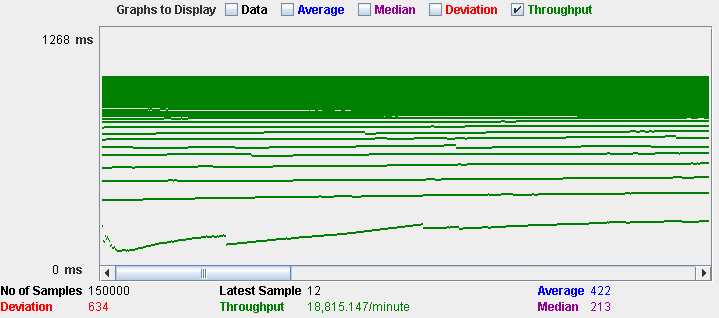
# List and edit category

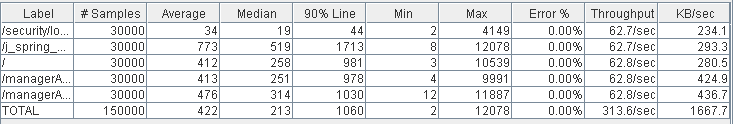


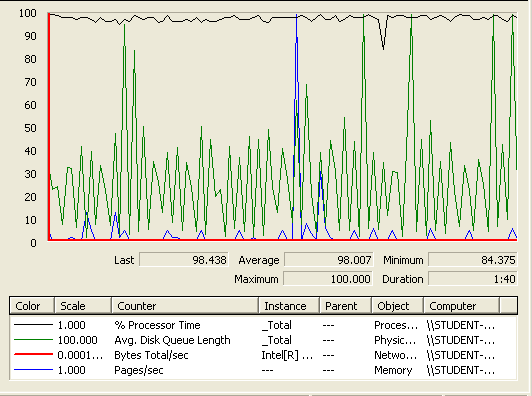




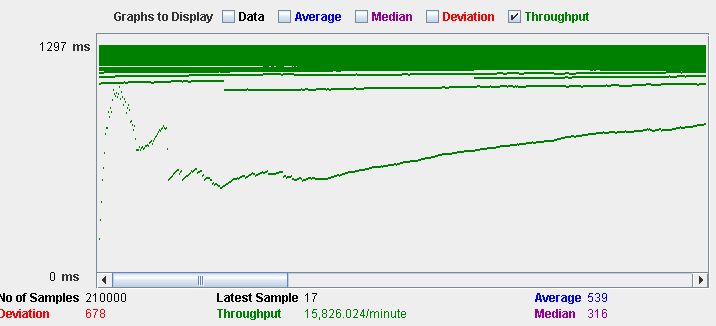
# Create restaurant

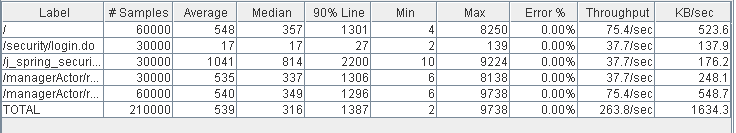


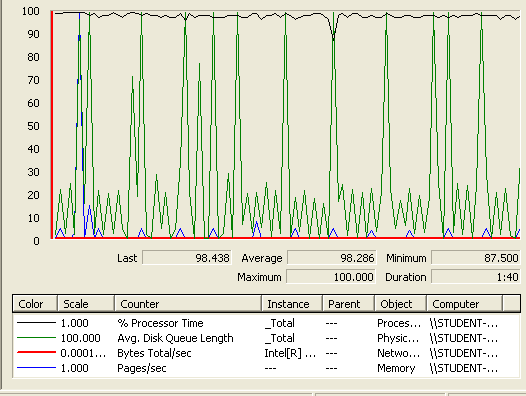




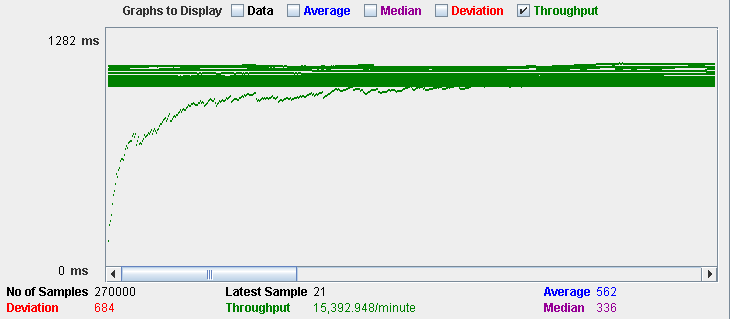
# List and edit restaurant

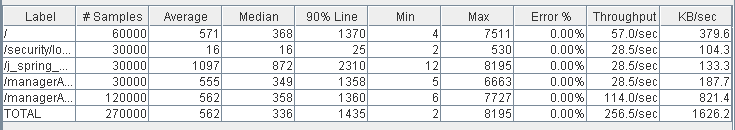


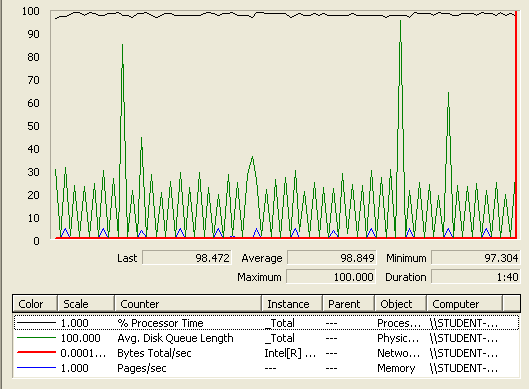




# Disable and enable restaurant

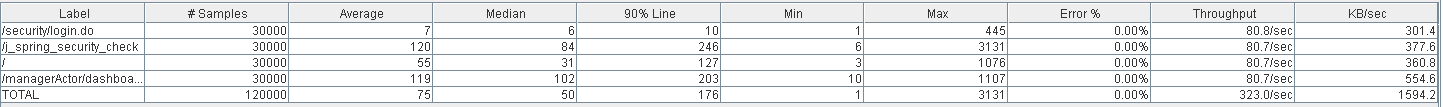


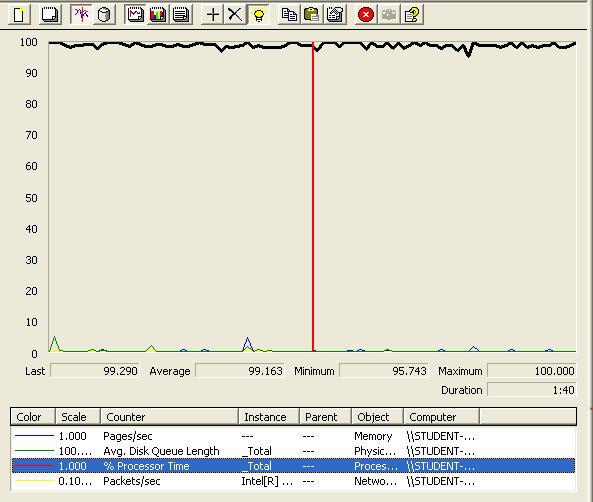




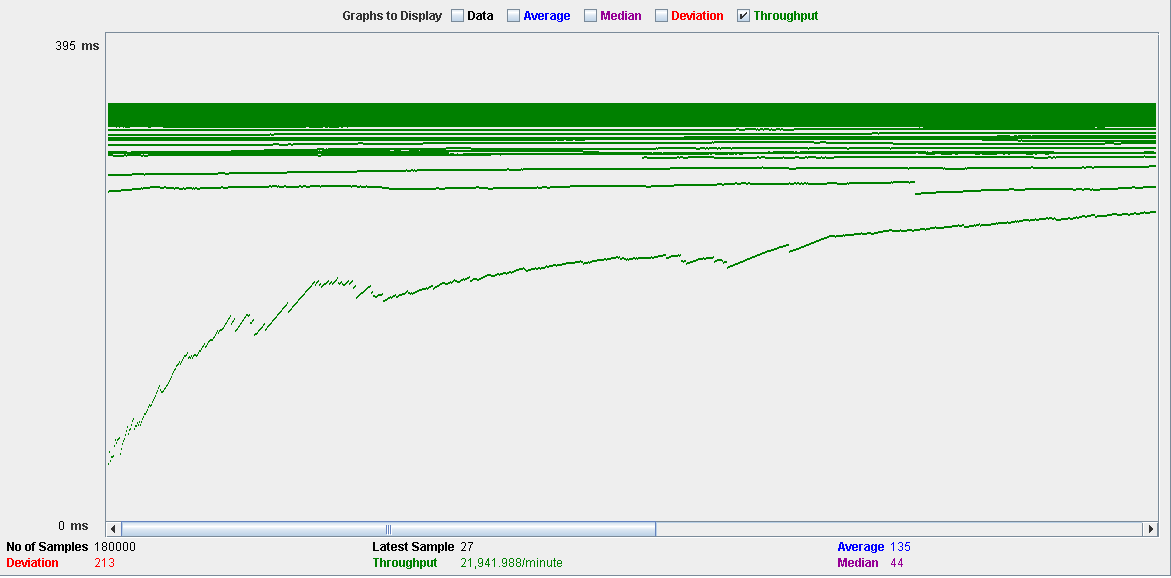
# Dashboard

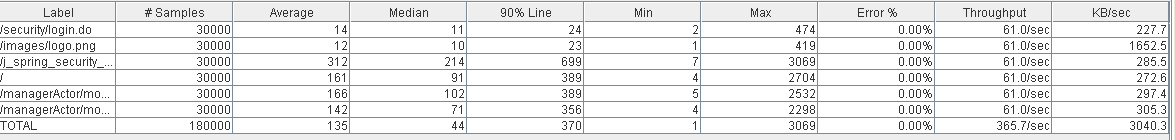


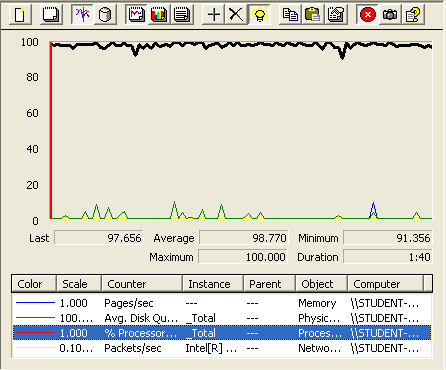




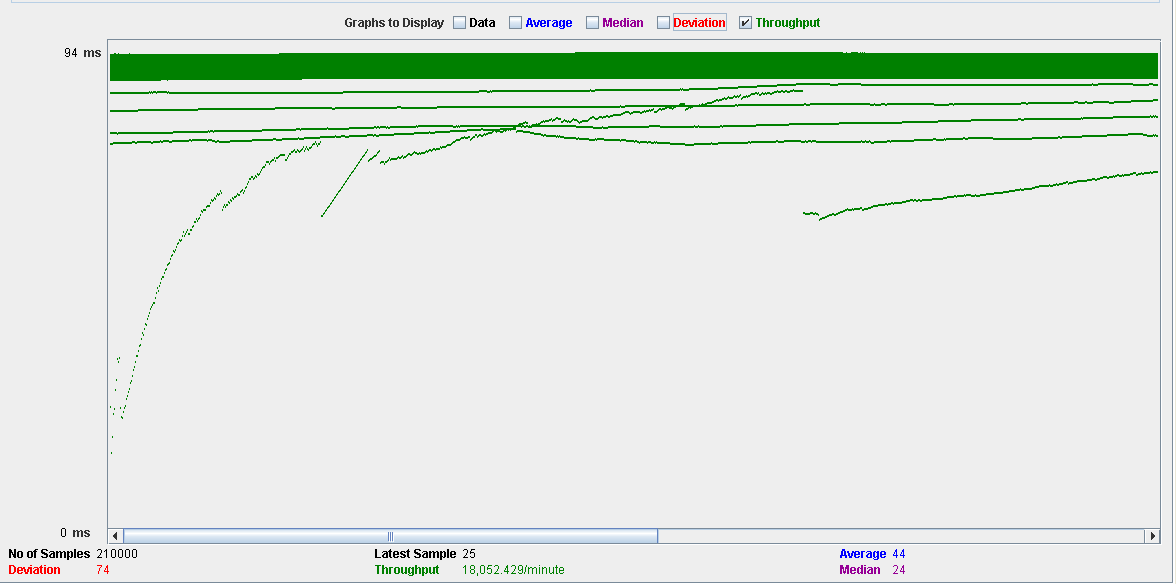
# List and display monthlybills

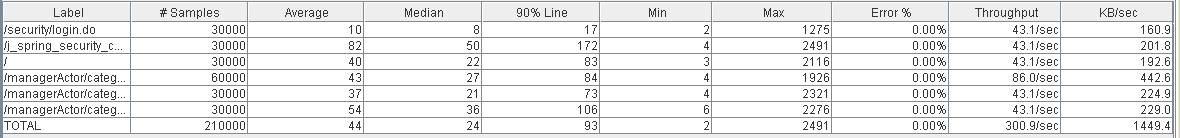


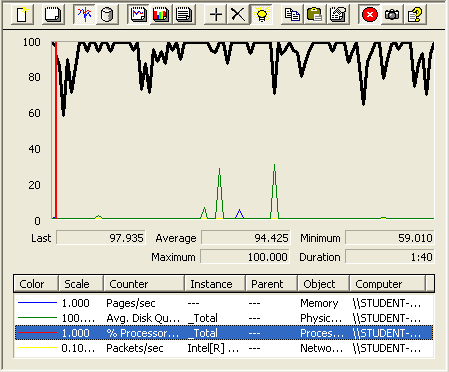




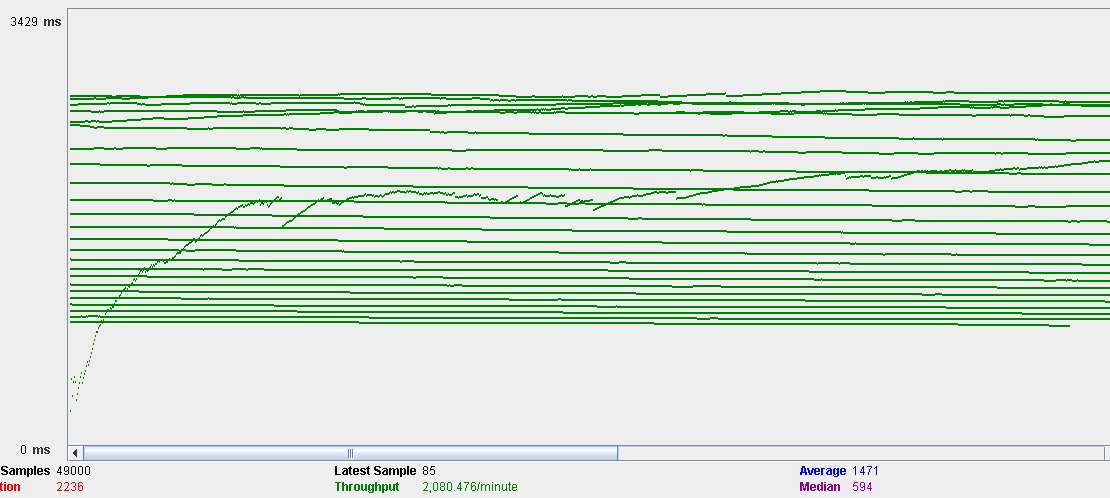
# Manage orders

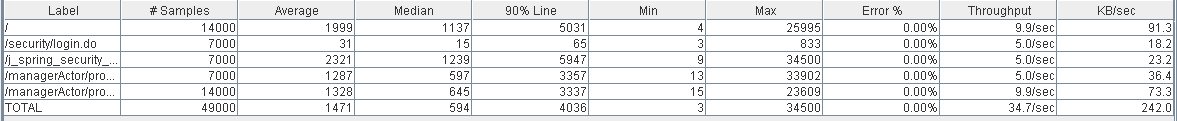


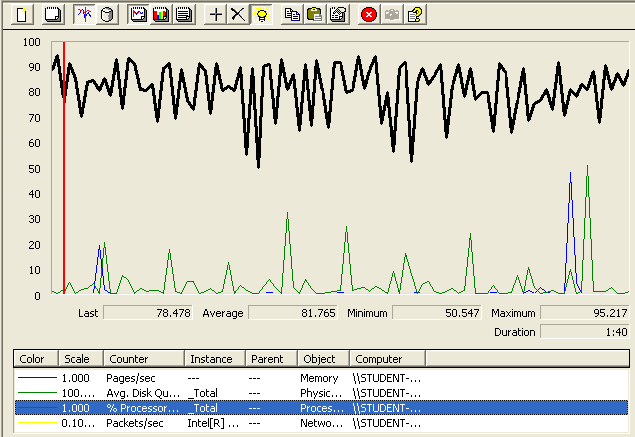




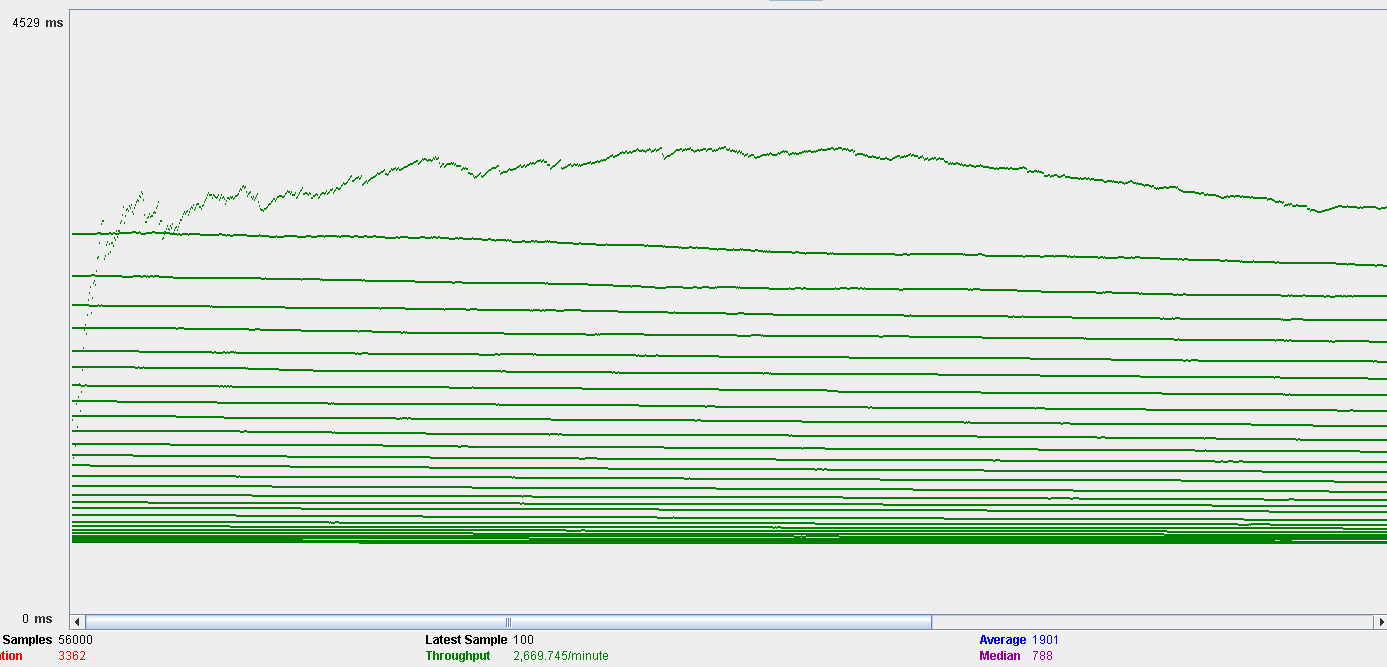
# Promote a restaurant

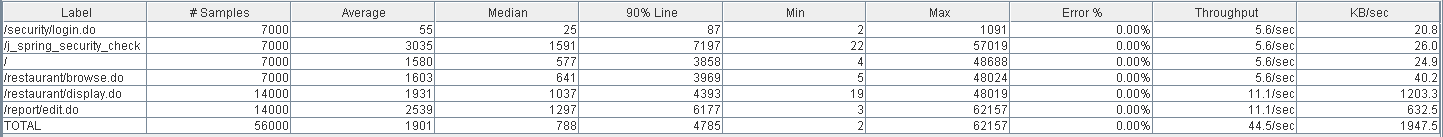


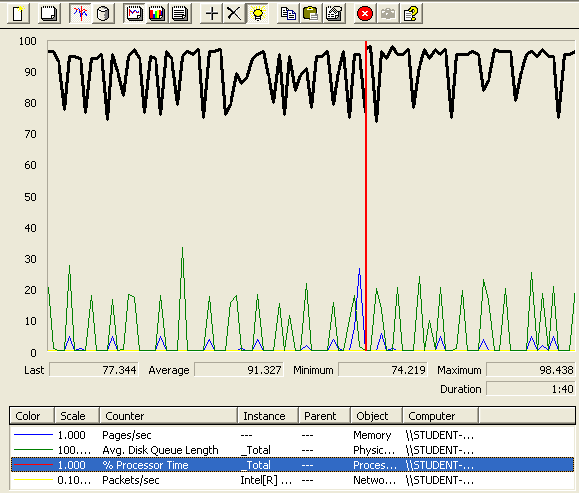




# Report comment as manager

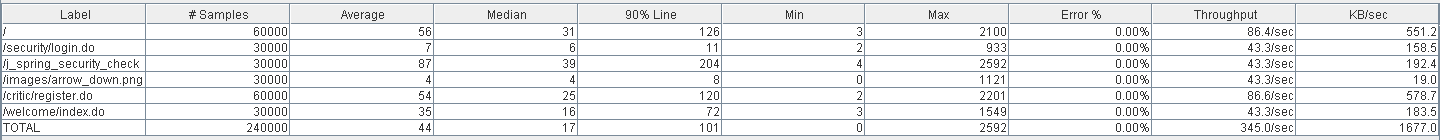


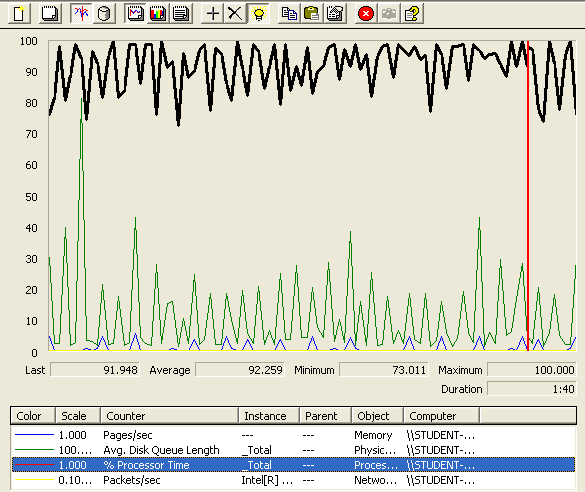




# Register a critic

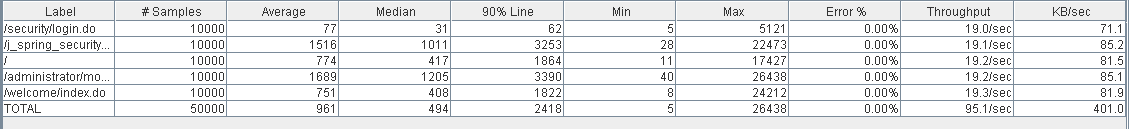


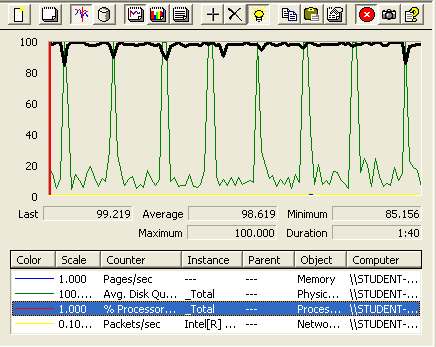




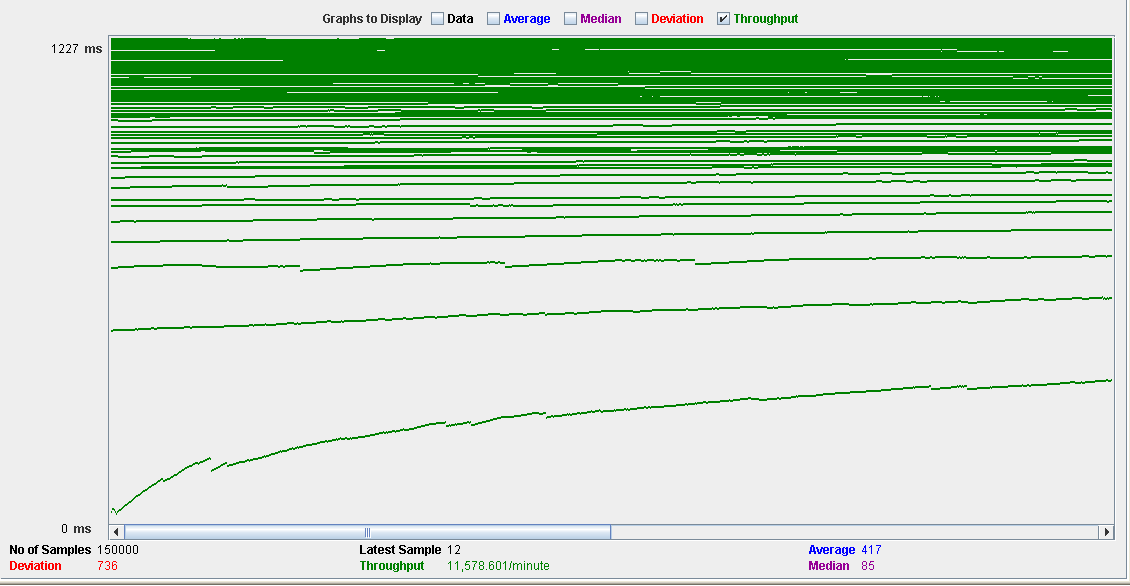
# Generate monthly bills

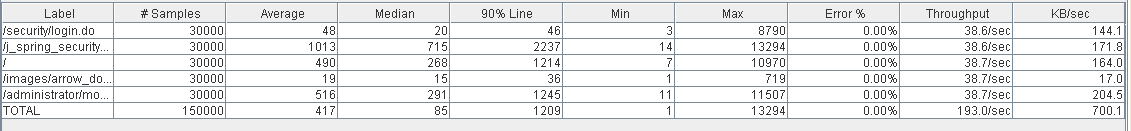


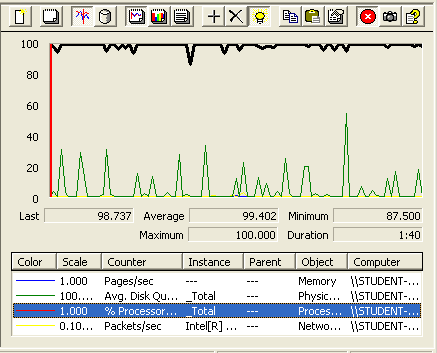




# List monthly bills

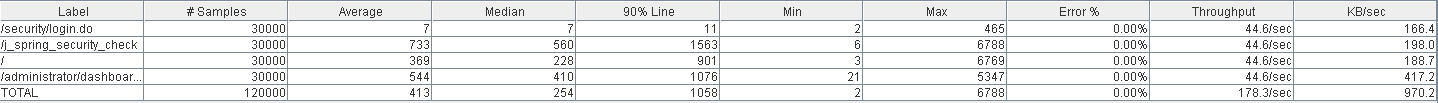


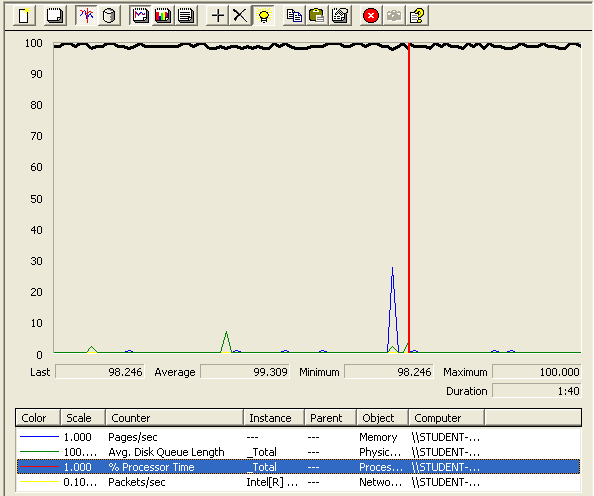




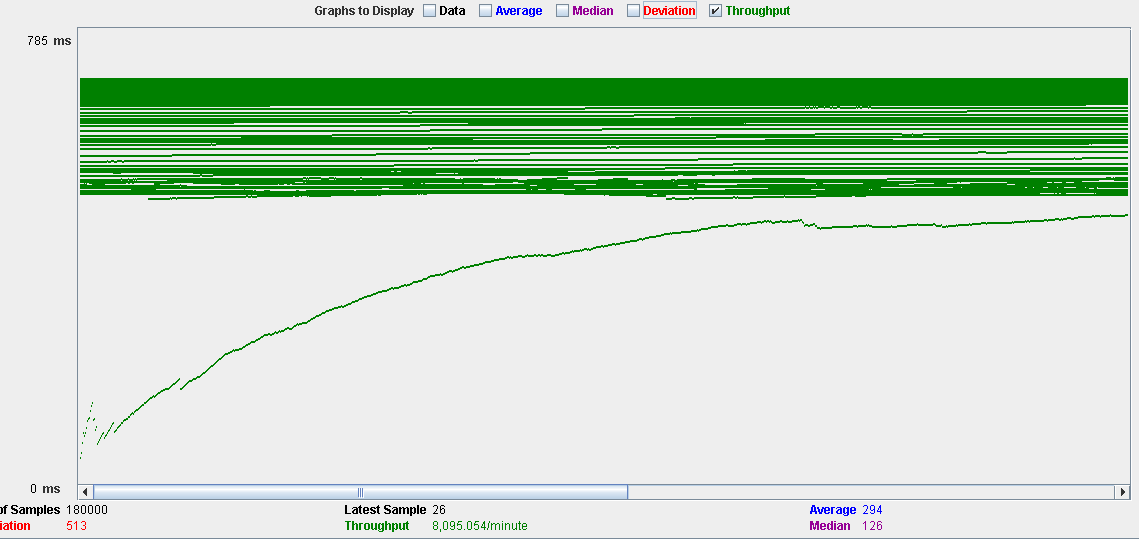
# Dashboard

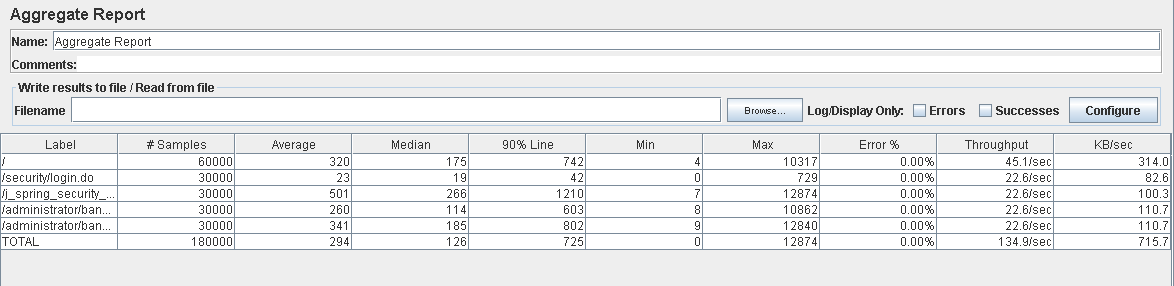


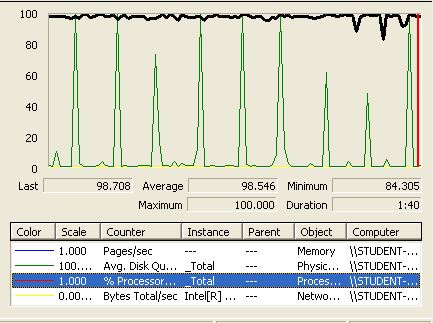




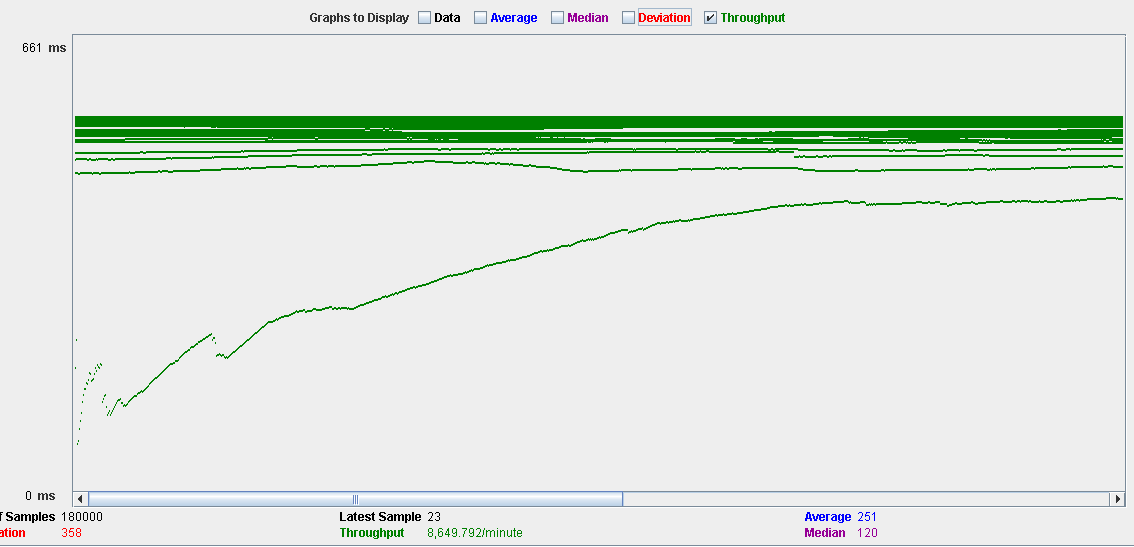
# Ban user

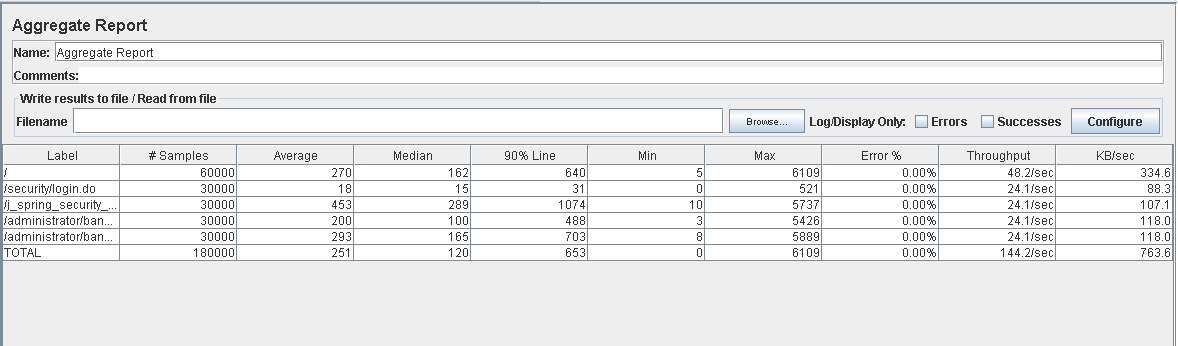


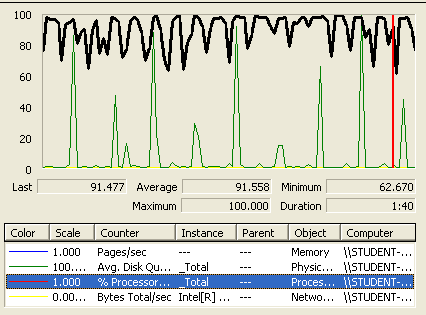




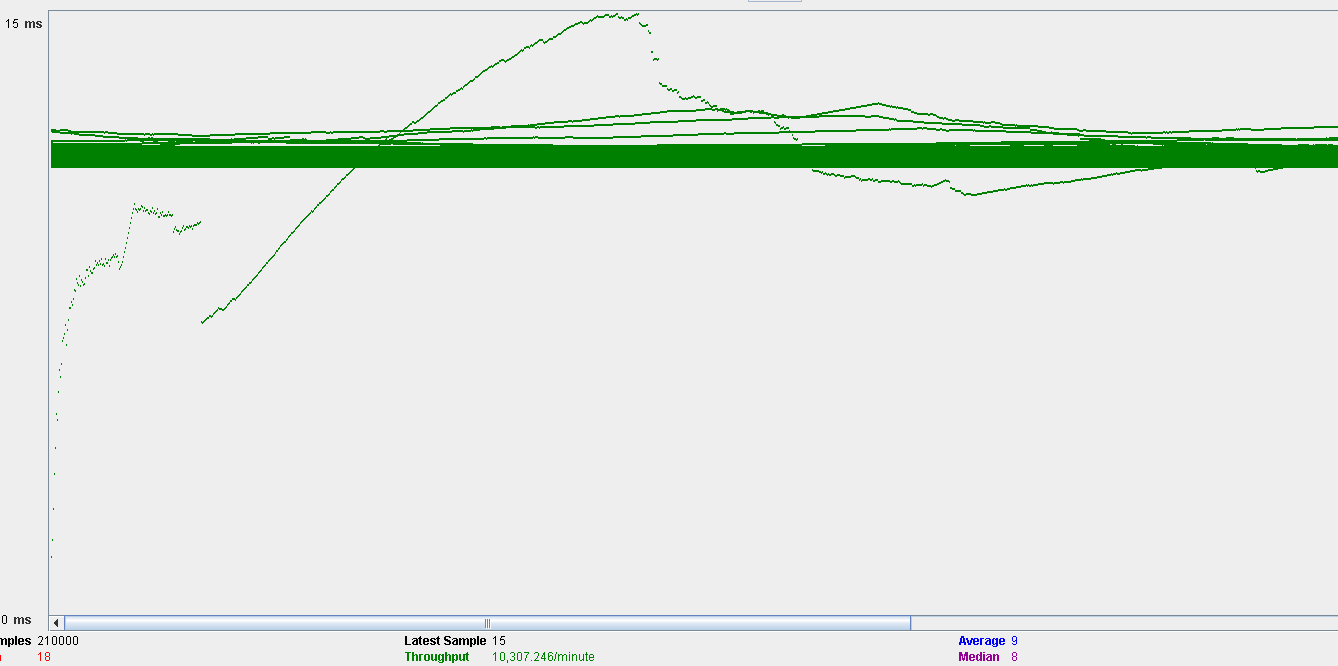
# Unban user

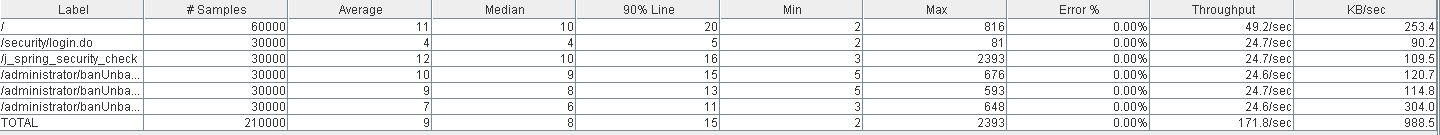


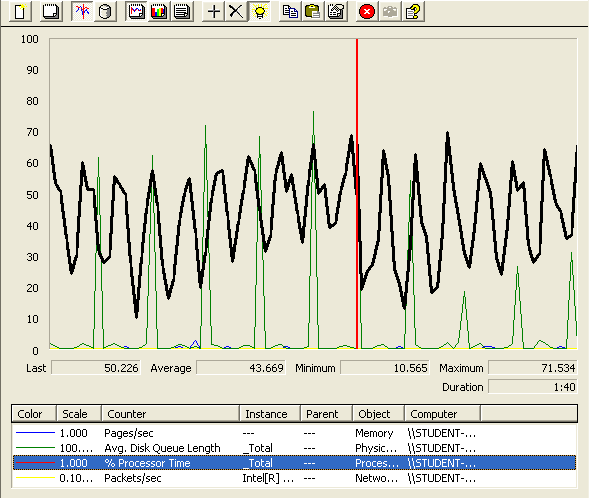




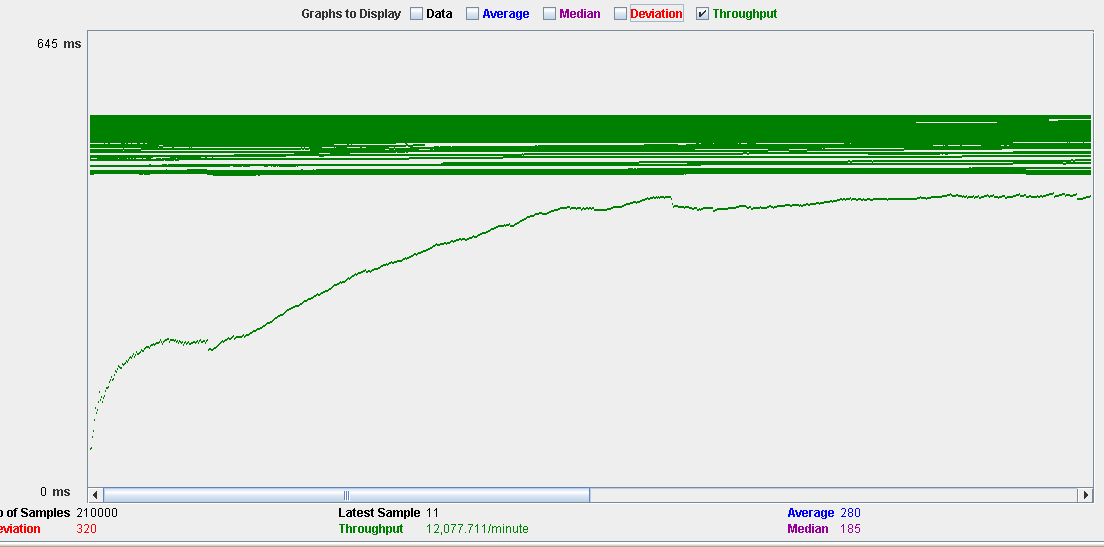
# Browse reported users

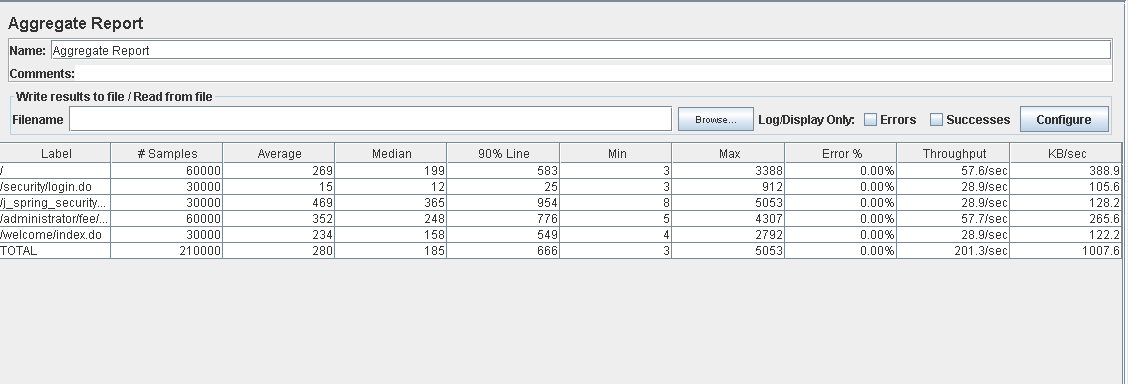


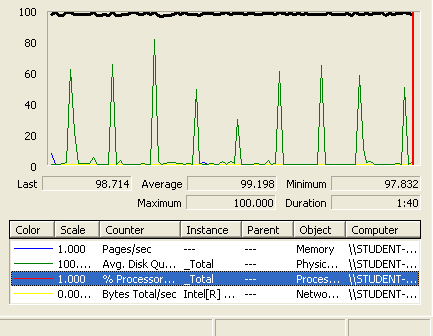




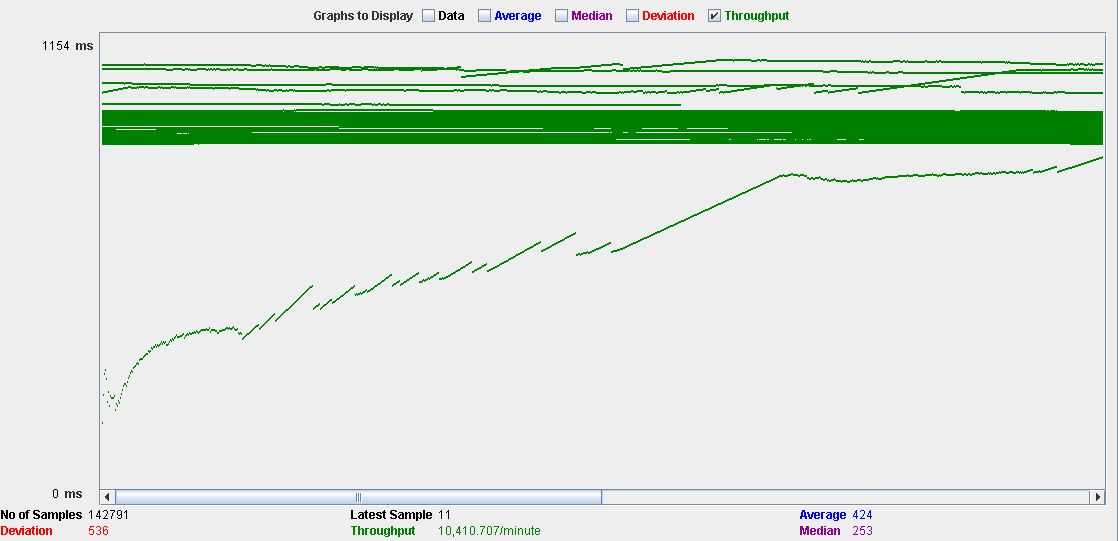
# Edit fee

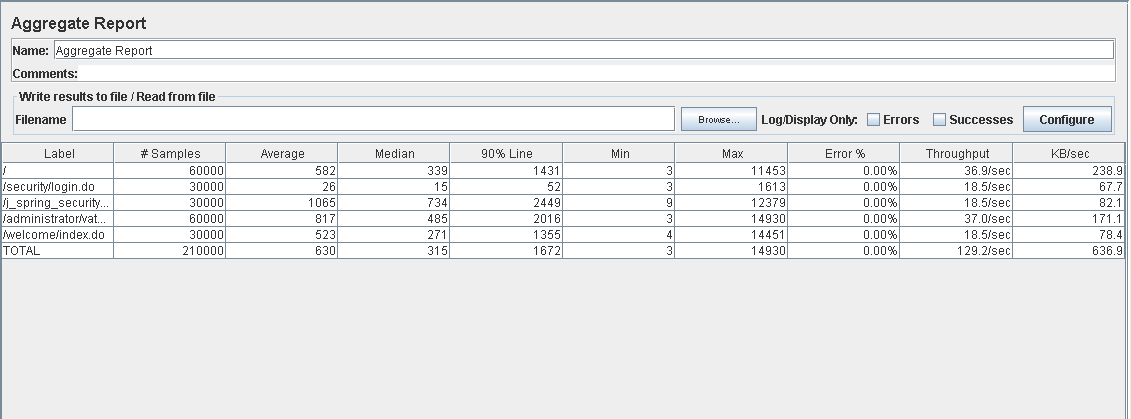


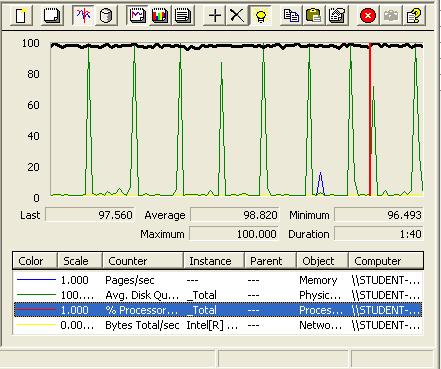




# Edit vat number







# Conclusiones

Como podemos observar en todos los test al aumentar el número de usuarios más tarda en realizarse cada acción. Además, podemos ver que el procesador es nuestro cuello de botella, si lo reemplazamos por un procesador más potente podríamos aumentar la cantidad de usuarios simultáneos.

Se han encontrado casos de uso que en los cuales hemos tenido que bajar mucho los usuarios y veces que se repetían. Estos casos eran aquellos que creaban una entidad nueva y luego se listaban todas. Al principio no pasaba nada, pero según avanzaba y cada vez mucho más lento llegando a un punto de no avance.