**Task 4**

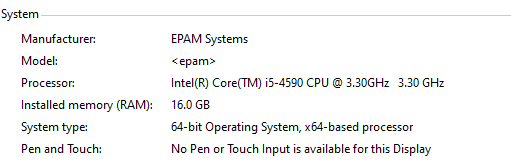
**Date:** 22 Sep 2020

**Author:** Shelley Zhao

**Application:** BlogEngine.NET version 3.2

**Environment:** Test Environment

**Test Environment configuration:**



1. **Goals:**

* Design admin script and scenario
* Get base line on performance of particular admin’s actions.

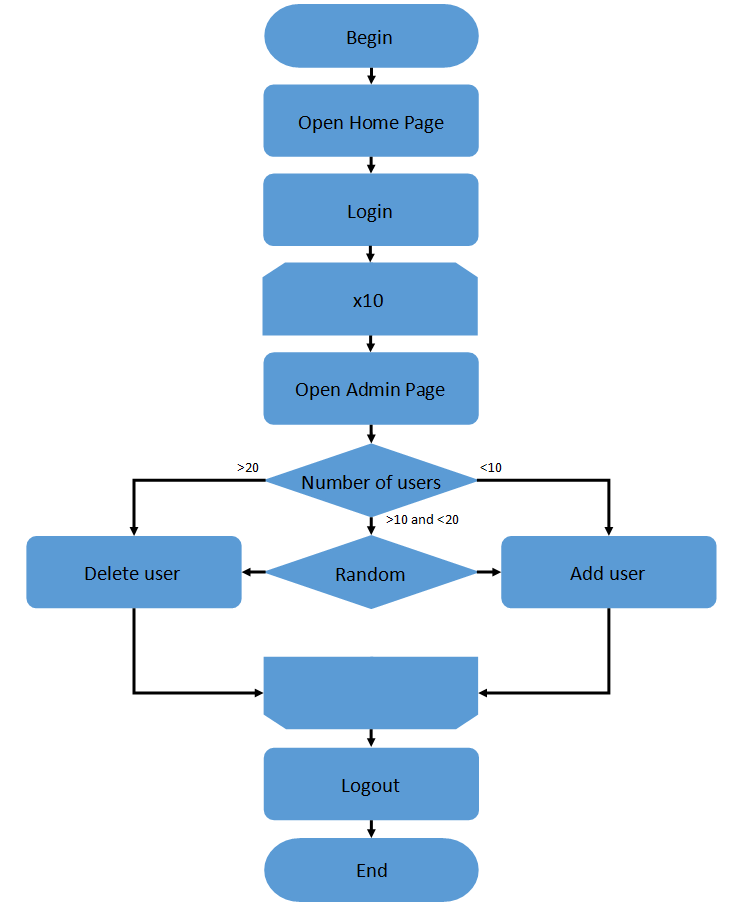
1. **Prerequisites:**

Create 2 admin user

* Admin admin
* Admin2 111

1. **Test script description**

Admin script



1. **Tests:**

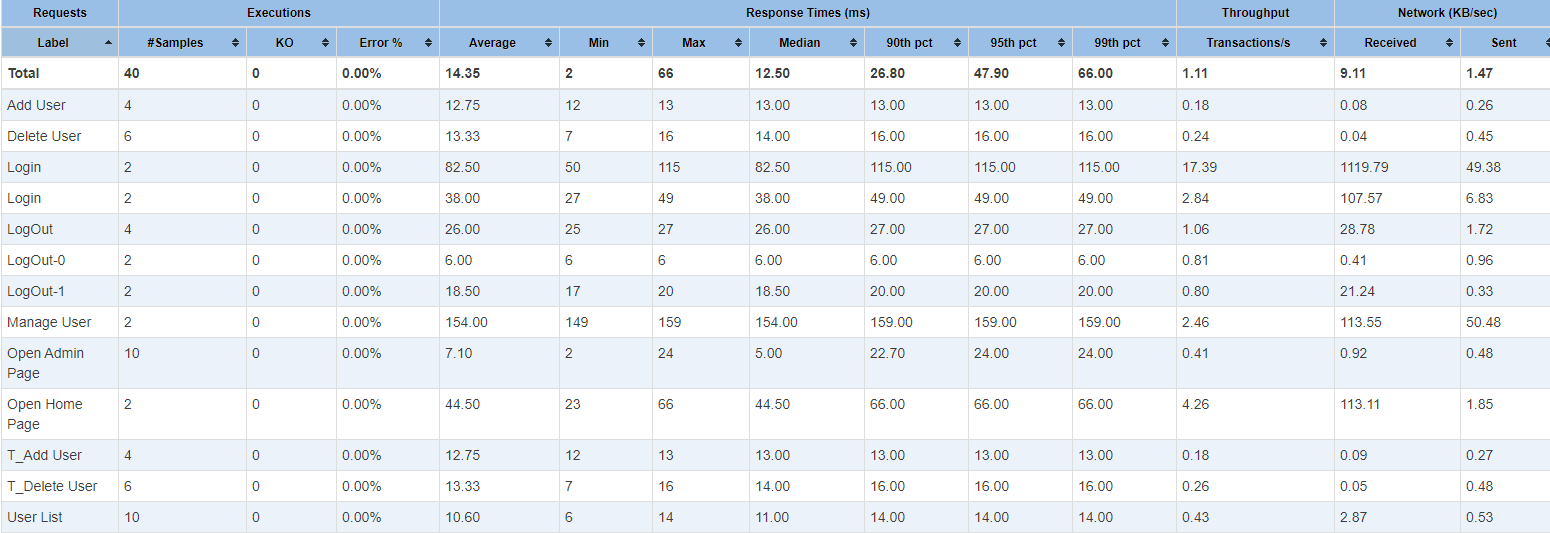
**User Defined Variables**

* user\_num 2
* loopCount 1
* host epcnszxw0226.princeton.epam.com
  1. **Smoke Testing**

**Settings:**

* Random Delay Max=2s
* Constant Delay Offset=1s
* Number of Threads =2
* Loop Count=1

**Result**



**Conclusion**

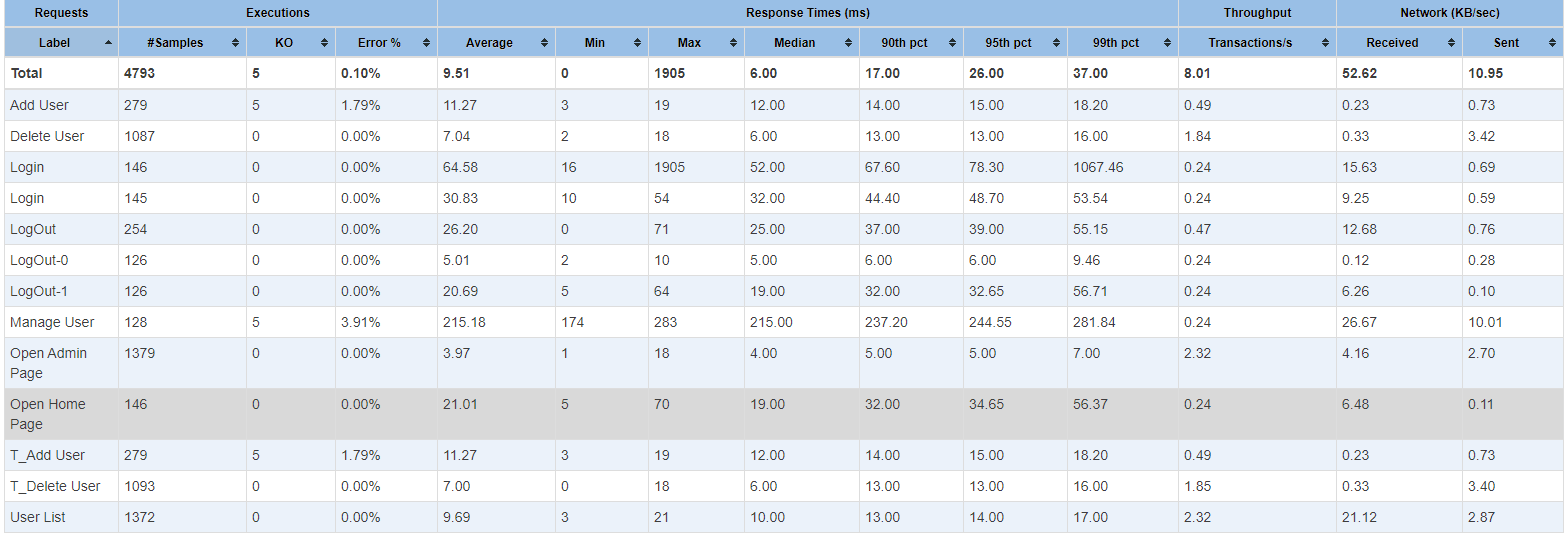
All the requests have been executed in proper response time without error there the smoke testing **PASSED.**

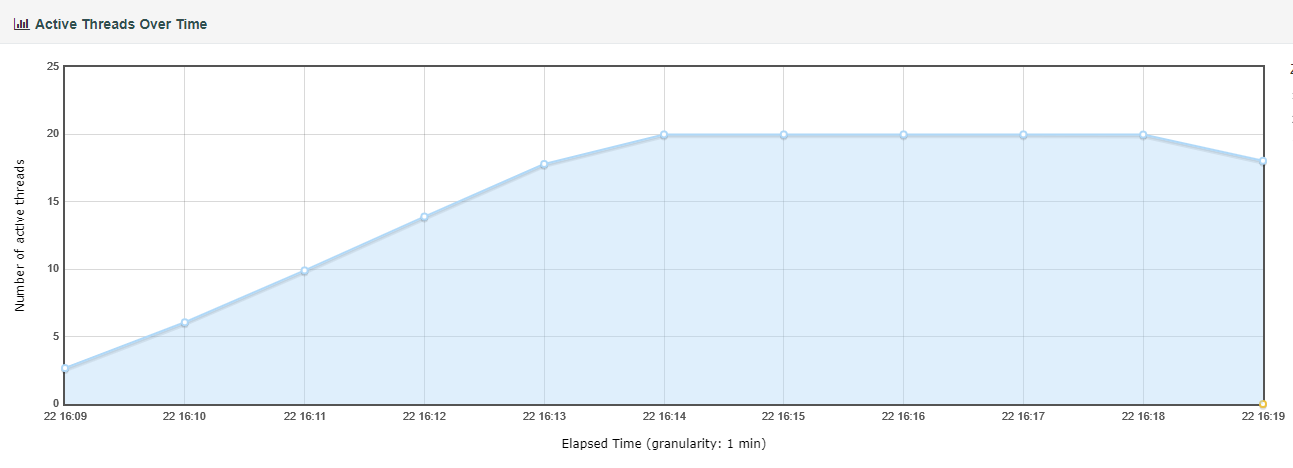
* 1. **Load testing**

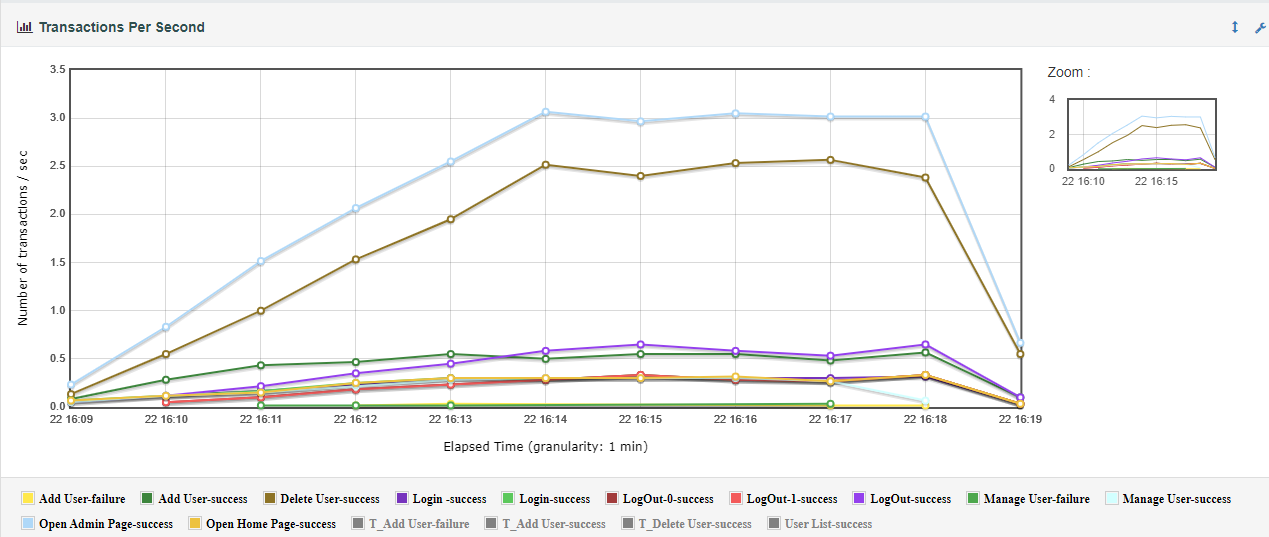
**Settings:**

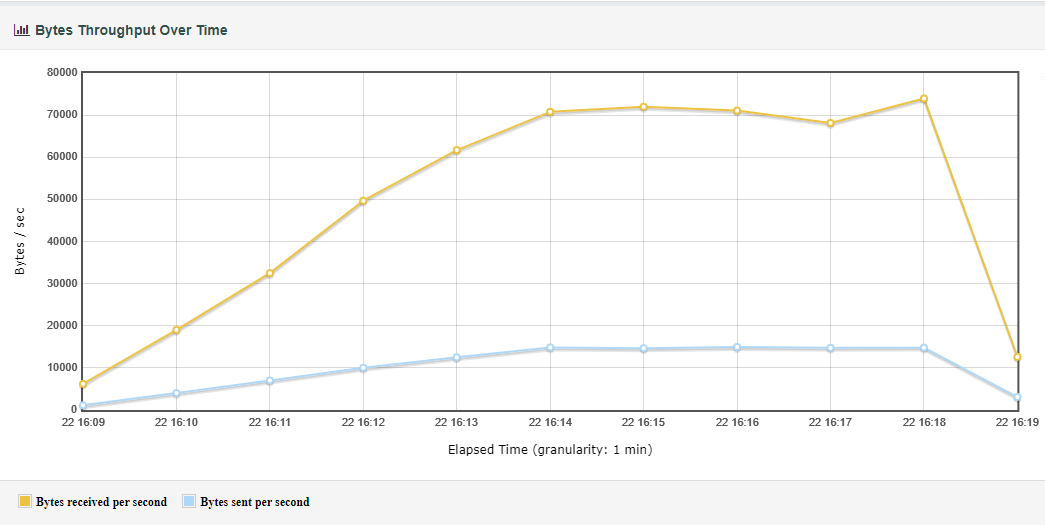
* Random Delay Max=2s
* Constant Delay Offset=1s
* Number of Threads =20
* Ramp up period=300s
* Duration=600s

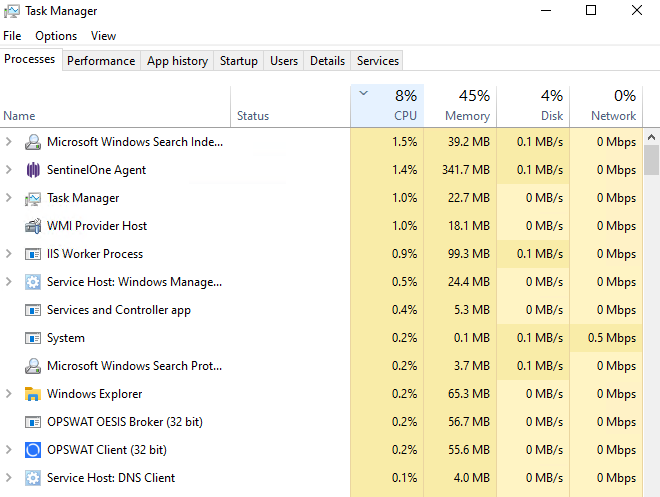
**Result**

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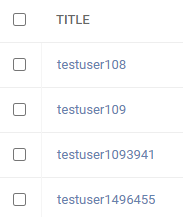
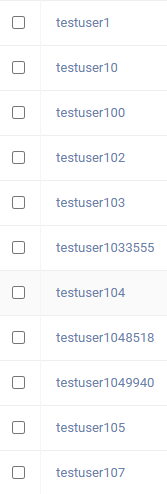
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**User Created**

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**Conclusion**

* During the load testing the system behavior is stable.
* The response time for the main transaction for admin add/delete user is 11ms/7ms
* In add user transaction there are some 500 error with 0.1% which need dev to find root cause.