**Report about conducted load test**

**Date:** 05.05.2022

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**Application:** BlogEngine.NET version 3.2

**Environment:** Test Environment

**Test Environment configuration(RAM, CPU etc.):**

|  |  |
| --- | --- |
| Processor | Intel(R) Core(TM) i7-10610U CPU 1.80 GHz 2.30 GHz |
| RAM | 3.95 GB |
| System type | 64-bit operating system |

1. **Why such testing was conducted:** To determine degradation point and capacity of the application
2. **Test script description:**

Diagram

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1. **Tests:**   
     
   **Test run preconditions:** 110 posts created on different dates according to .csv file

**Load Model:** Capacity testing. Test was conducted for 80 users, ramp-up time is 600 sec, duration 600 sec

1. **Short summary on conducted tests:**

According to capacity test results the comfort zone is before 30 users, and the saturation point is around 30 users. Degradation zone is between 30 and 35 users. Application reaches its capacity once the users count is 35. Test run was conducted 3 times, the results are reproducible.

1. **Detailed test results:**

According to 3 tests application stays in the comfort zone while the users count is less than 30 users. In all three cases the errors count increases dramatically once the users count reaches 30 users.

**Graphical user interface, chart

Description automatically generated**

**Graphical user interface

Description automatically generated**

**Graphical user interface, chart, line chart

Description automatically generated**

1. **Conclusion:** application reaches saturation point at *220th second of test run* when *30 virtual users* produced *50-60 requests per second*