

# Blog.Engine Capacity Test

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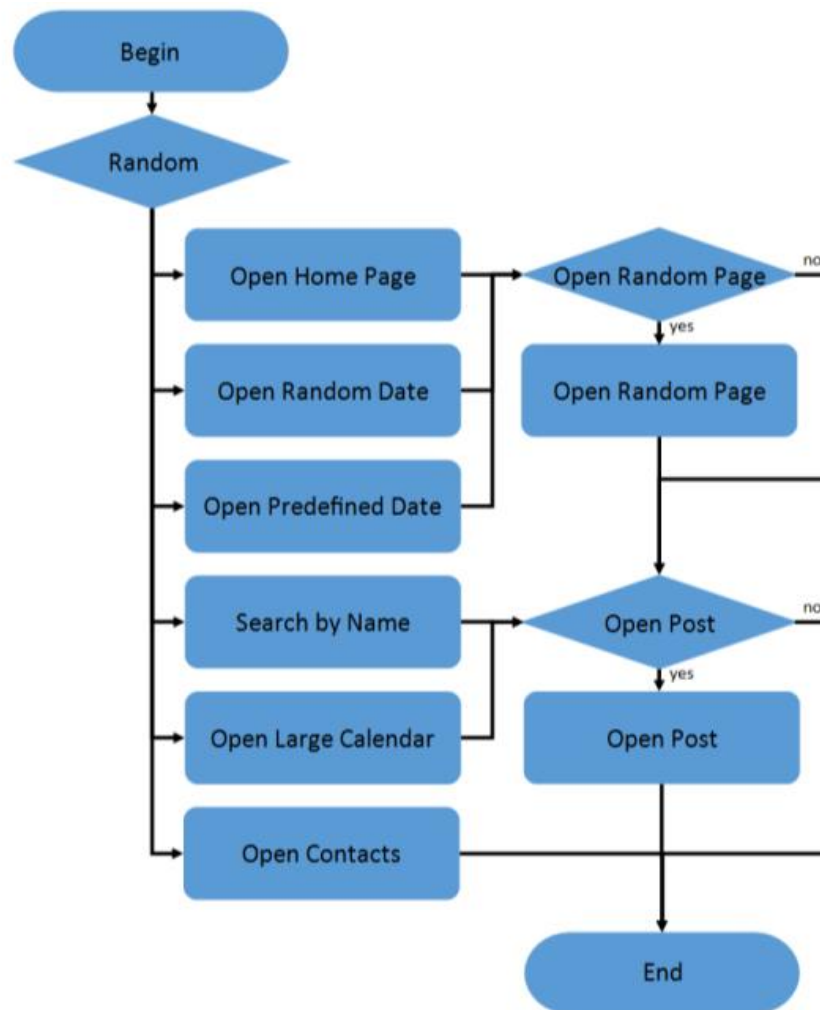
## Prerequisites

Testing environment	Oracle VM Virtualbox
IIS Server	One node
SQL Server	-
Ramp-up period	1 VUser per 5 sec
Type of test	Capacity test
Type of User	Anonymous
Number of threads (VUsers)	150

## Testing scenario description

Capacity test: The target of it – is to find out the capacity point of system under load. It will show how much load the system can handle until it reach either out of system resources or starts responding with errors.

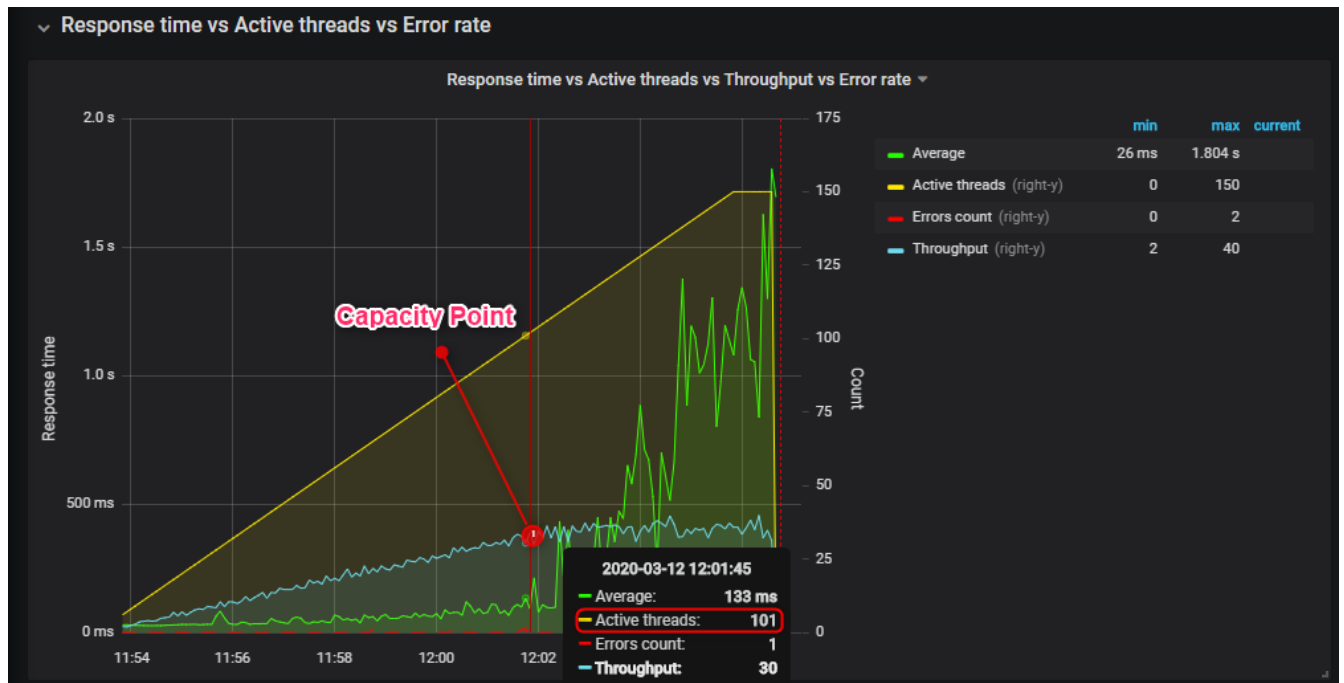
In terms of this test number of threads (VUsers) will be continuously growing and every user will be “surfing on the blog through this algorithm below:



Hence, every user will follow this scenario: randomly will go to some page, then with 50% probability will open random page and with 50% probability will open the post.

Opening the post with 50% probability anonymous user will write comment to post.

## Test Results



We reached our capacity point at 100 VUsers, our response time started to increasing and our throughput stopped growing. Further our response time hugely increased, but throughput was still in same state.

Needs to be mentioned that CPU stat on our environment reached 100% Processor Time a little bit earlier than throughput stopped growing. At 81 VUser CPU reached maximum.

