Performance test summarize result

As we can see from performance test results file, bytes throughput over time that both AWS and Azure have similar bytes received per second and delay after data transfer ends. AWS takes crown in delay before data transfer starts. AWS has 10 second head start. Therefore, AWS comes ahead in our testing with bytes throughput over time. Furthermore, as we can see under bytes throughput over time, total overall average elapsed start time is 29:08.3 and elapsed end time for AWS is 26:33.3 whereas Azure overall average elapsed start time is 29:20.6 and elapsed end time 26:19.

As per performance test results file, overall average elapsed time is 28:24.2 and server hits overall average is 5.469506 hits per second for AWS compared to 29:30.3 overall average elapsed time and 5.415002 hits per second for Azure. In the scenario of 5 users each, one iteration and with combination of different quires from 500 to 50000, the number of hits per second of both Azure and AWS is same which is 2.5/second. Initially AWS has more diverse values but as number of users increase, the number of hits of both Azure and AWS become similar.

As per performance test results file, AWS latencies over time show that the overall average elapsed time is 30:00.6 and response latencies of about 10071.86ms. When compared to Azure the overall average elapsed time 30:01.5 and 17190.45ms average response latencies. Based on this we see that Azure outperforms AWS as more response is better.

The response code per second, for our testing minimum 5 and maximum 100 average 48.07692 users. We see that we receive an average elapsed time of AWS 30:00.6 whereas Azure has delay of 30:01.5 before sending the request to just after the last response has been received. Here we get 2.365768154/sec success error with 11.659346/sec error status from AWS, on other hand we receive 2.724609769 per second success rate and 8.394029 per second error status from Azure.

As per performance test results file, response time distribution overall average Azure response times in 37766.67615ms whereas AWS 33452.22769ms. Based on this Azure overtakes AWS.

Performance test result file of Response time over time shows us the change in response time for request over the period or duration of test. We get average elapsed time 30:00.6 per second and response time 30431.35ms for AWS, whereas elapsed time is 30:01.5 per second and response time 31721.69ms for Azure. Based on scenario here we see that Azure outperforms AWS as more response time and less elapsed time in results is better.

Throughput over thread shows us the amount of throughput each thread receives in a request over the course of the test. Performance test result file gives us results which show that on average approximately 25 active threads receive 3.829578 transactions per second for AWS whereas Azure with same number of active threads on average we get average of 3.677647615 transactions per second average throughput.

Time vs Thread give us information about response time each thread receives throughout our test. In performance file, we can see that the approximate number of active threads of both Azure and AWS is similar which is 25. Where AWS number of response time 24831.45ms is less than Azure's 30504.93ms response time.

As we can see from aggregate report, AWS average error rate from averages from all the 45 tests is around 37.62% as compared to 36.88% of Azure. The error rate is slightly similar.