Dear.

I've completed performance test on frequently used API for restful-booker.

Test executed for the below mentioned scenario in server 10.0.19045.2364.

300 Concurrent Request with 10ms ramp-up; Avg TPS for Total Samples is ~ 15.00 and Total Concurrent API requested: 900.

600 Concurrent Request with 10ms ramp-up; Avg TPS for Total Samples is ~ 30.00 and Total Concurrent API requested: 1800.

1000 Concurrent Request with 10ms ramp-up; Avg TPS for Total Samples is ~ 50.00 and Total Concurrent API requested: 3000.

1200 Concurrent Request with 10ms ramp-up; Avg TPS for Total Samples is ~ 50.00 and Total Concurrent API requested: 3600.

1300 Concurrent Request with 10ms ramp-up; Avg TPS for Total Samples is ~ 35.00 and Total Concurrent API requested: 3873.

Summary: Server can handle almost concurrent 1250 API call with almost zero (0) error rate.

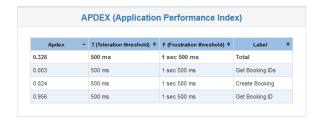
Please find the details report from the attachment and let me know if you have any further queries.

300 Thread User-



Figure 1: Summary of 300 Thread User

• 600 Thread User-





							Statist	tics					
Requests	Ex	ecutions					Throughput	Network (KB/sec)					
Label *	#Samples \$	FAIL +	Error % \$	Average \$	Min ¢	Max ¢	Median	90th pct +	95th pct	99th pct \$	Transactions/s \$	Received \$	Sent \$
Total	1800	0	0.00%	6537.66	276	52495	3773.00	17139.50	23035.15	32673.99	32.68	664.16	9.47
Create Booking	600	0	0.00%	6795.56	1151	34627	4302.00	16896.20	25223.00	32990.56	14.83	6.40	6.73
Get Booking ID	600	0	0.00%	384.22	276	9670	296.00	343.70	860.75	1877.89	11.50	4.64	2.41
Get Booking IDs	600	0	0.00%	12433.19	913	52495	11076.50	23033.30	28174.10	36484.74	11.43	687.13	2.34

Figure 2: Summary of 600 Thread User

• 1000 Thread User-

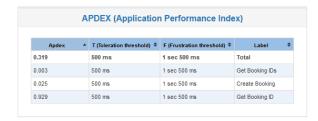




								Statist	ics					
Requests	E	xec	utions					Response Tir	nes (ms)			Throughput	Network (KE	B/sec)
Label *	#Samples	\$	FAIL +	Error % \$	Average \$	Min ÷	Max ≑	Median 🕈	90th pct +	95th pct +	99th pct	Transactions/s \$	Received +	Sent +
Total	3000		0	0.00%	3220.91	277	20312	2957.00	6270.40	7581.00	11101.76	109.96	506.88	31.82
Create Booking	1000		0	0.00%	3546.44	1322	11836	3525.00	4854.50	5369.90	7463.49	46.88	20.19	21.29
Get Booking ID	1000		0	0.00%	1413.63	277	8776	1139.00	3022.90	3313.75	3853.83	40.59	16.37	8.48
Get Booking IDs	1000		0	0.00%	4702.65	342	20312	4274.00	9278.90	10383.35	11913.08	40.49	526.10	8.30

Figure 3: Summary of 1000 Thread User

• 1200 Thread User-

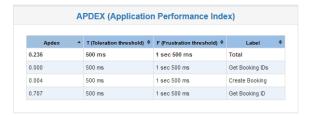




							Statis	stics					
Requests	Ex	ecutions					Response 1	limes (ms)			Throughput	Network (KE	3/sec)
Label *	#Samples \$	FAIL \$	Error % \$	Average \$	Min +	Max \$	Median 🕈	90th pct +	95th pct	99th pct \$	Transactions/s \$	Received \$	Sent \$
Total	3600	0	0.00%	8119.62	276	66687	4529.00	26356.20	30806.75	34583.46	48.50	571.88	14.05
Create Booking	1200	0	0.00%	10917.14	1137	66687	6355.00	30589.20	31645.40	33507.82	16.61	7.17	7.54
Get Booking ID	1200	0	0.00%	424.52	276	19350	297.00	825.80	1088.45	2365.65	17.06	6.88	3.58
Get Booking IDs	1200	0	0.00%	13017.20	570	62340	8872.00	28782.60	31514.00	43922.83	16.99 Activate W	586.99	3.49

Figure 4: Summary of 1200 Thread User

• 1300 Thread User-





	Statistics																			
Requests	equests Executions Response Times (ms)								Throughput		Network (KB/sec)									
Label ¢	#Samples	ф	FAIL ¢	Error % ¢	Average	ф	Min +	Max ¢	Median	ф	90th pct +	95th pct	ф	99th pct	•	Transactions/s	Re	ceived	ф	Sent ¢
Total	3873		3	0.08%	21406.66		278	157943	6370.00		64441.80	81624.60		124293.68		23.69	644.	98		6.87
Get Booking ID	1287		0	0.00%	920.16		278	23820	326.00		1964.00	2916.60		5040.88		8.13	5.23			1.71
Get Booking IDs	1287		0	0.00%	39579.42		1675	146521	34827.00		79070.40	88412.60		115232.32		7.99	646.	21		1.64
Create Booking	1299		3	0.23%	23699.04		1171	157943	8924.00		64057.00	119165.00		129758.00		8.06 Activate W	3.51	214/6		3.65

Figure 5: Summary of 1300 Thread User



			Top 5 Errors by	sample	r							
Sample *	#Samples +	#Errors +	Error \$	#Errors \$	Error \$	#Errors \$	Error \$	#Errors \$	Error +	#Errors +	Error ¢	#Errors +
Total	3873	3	Non HTTP response code: org.apache.http.NoHttpResponseException/Non HTTP response message: restful-booker.herokuapp.com:443 failed to respond	3								
Create Booking	1299	3	Non HTTP response code: org.apache.http.NoHttpResponseException/Non HTTP response message: restful-booker.herokuapp.com:443 failed to respond	3						e Wind		110

Figure 5: Error of 1300 Thread User