

LOAD AND STRESS TESTING USING JMeter:

Demo Website for Performance Testing (Blazedemo) It simulates a simple booking system for flights and can be used to test performance and scalability. Link: <https://blazedemo.com/>

LOAD TESTING:

Tool Used: Apache JMeter

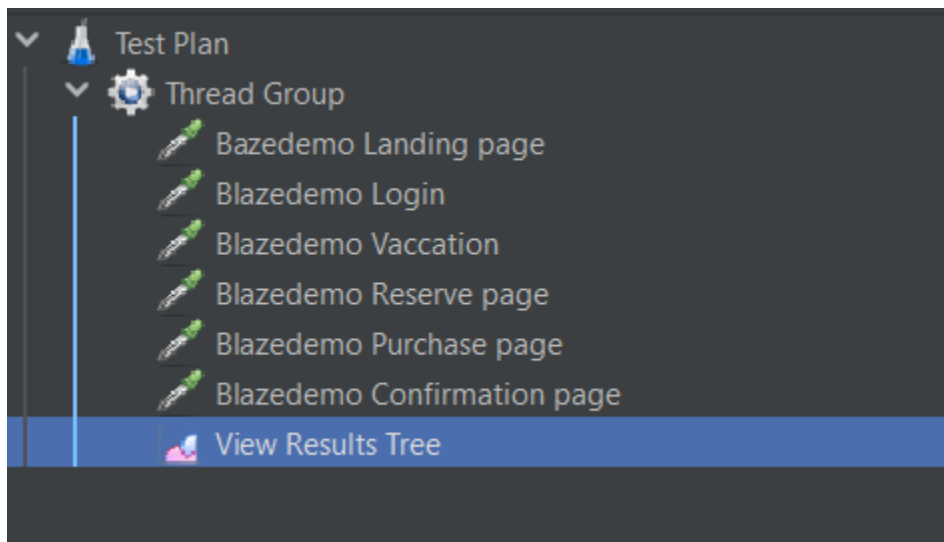
Test Environment:

- **Website URL:** [Blazedemo](https://blazedemo.com/)
- **JMeter Version:** 5.6.3

Thread Group Configuration:

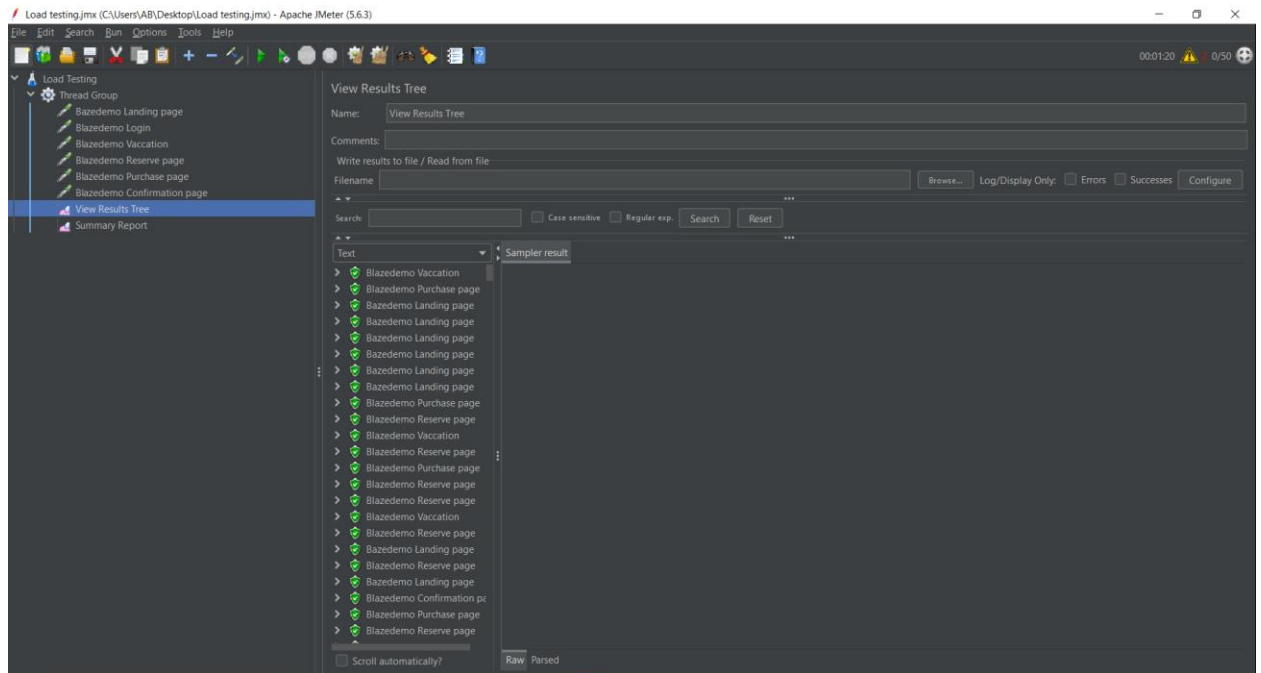
- **Number of Threads (Users):** 50
- **Ramp-Up Period (seconds):** 30
- **Loop Count:** 10

HTTP Request Sampler Configuration:



Listeners:

- **View Results Tree:**



- **Summary Report:**

Summary Report

Name:

Summary Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

☐ Errors

☐ Successes

Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Bazedemo Landing page	500	902	572	2837	329.02	0.00%	6.5/sec	31.63	1.57	4984
Blazedemo Login	500	823	572	2044	193.07	0.00%	6.6/sec	38.33	1.54	5966
Blazedemo Vaccation	500	796	559	2161	187.44	0.00%	6.6/sec	23.01	1.65	3581
Blazedemo Reserve page	500	789	574	1762	159.82	0.00%	6.6/sec	47.97	1.62	7475
Blazedemo Purchase page	500	792	566	1830	168.16	0.00%	6.6/sec	44.44	1.63	6946
Blazedemo Confirmation page	500	783	582	1753	162.05	0.00%	6.5/sec	38.47	1.68	6015
TOTAL	3000	814	559	2837	212.52	0.00%	37.3/sec	212.03	9.17	5826

STRESS TESTING:

Tool Used: Apache JMeter

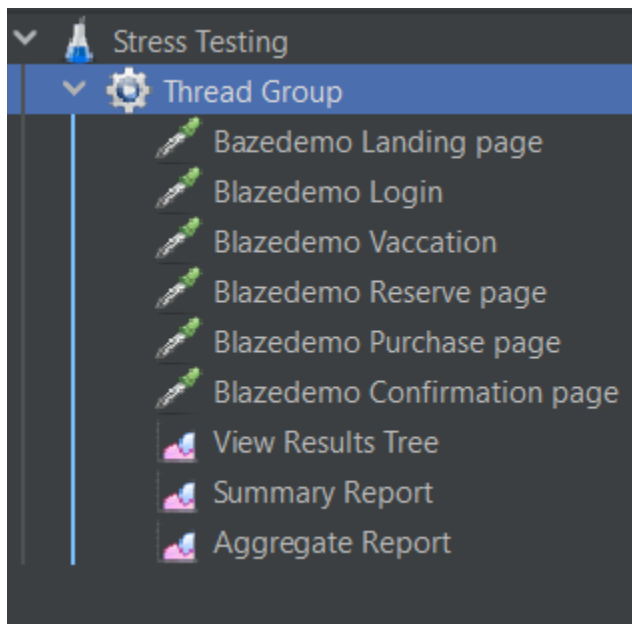
Test Environment:

- **Website URL:** [Blazedemo](#)
- **JMeter Version:** 5.6.3

Thread Group Configuration:

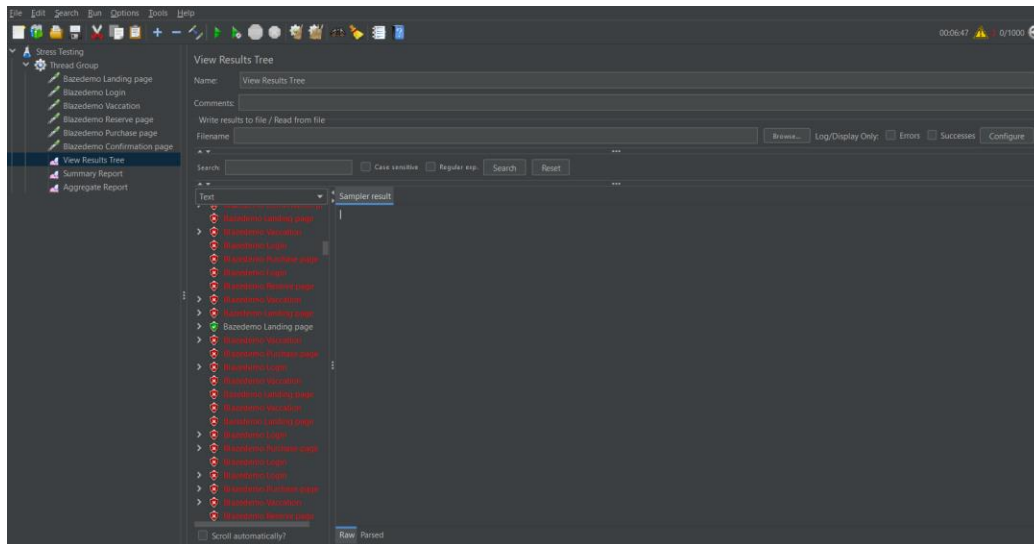
- **Number of Threads (Users):** 1000
- **Ramp-Up Period (seconds):** 60
- **Loop Count:** Infinite

HTTP Request Sampler Configuration:



Listeners:

- **View Results Tree:**



- **Summary Report:**

Summary Report

Name:Summary Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only:

☐ Errors

☐ Successes

Configure

Label	# Samples	Average	Min	Max	Std. Dev.	Error %	Throughput	Received KB/sec	Sent KB/sec	Avg. Bytes
Bazedemo Landing page	3769	25710	44	385556	62194.46	13.77%	3.5/sec	16.16	0.77	4748.6
Blazedemo Login	3553	18750	38	364940	39934.17	11.79%	3.3/sec	18.08	0.71	5627.3
Blazedemo Vaccation	3395	17211	392	298819	36646.78	11.49%	3.1/sec	10.81	0.72	3517.5
Blazedemo Reserve page	3232	15968	327	346409	33639.14	10.98%	3.0/sec	20.42	0.68	6977.6
Blazedemo Purchase page	3091	16757	356	370071	36458.13	11.97%	2.9/sec	18.12	0.65	6468.6
Blazedemo Confirmation page	2912	16923	64	370407	36239.06	11.61%	2.7/sec	14.95	0.63	5664.5
TOTAL	19952	18777	38	385556	42848.84	11.98%	18.5/sec	98.32	4.15	5456.8

- **Aggregate Report:**

Aggregate Report

Name:Aggregate Report

Comments:

Write results to file / Read from file

Filename

Browse...

Log/Display Only: ☐ Errors ☐ Successes

Configure

Label	# Samples	Average	Median	90% Line	95% Line	99% Line	Min	Maximum	Error %	Throughput	Received KB/sec	Sent KB/sec
Bazedemo Landi...	3269	29505	1951	87538	124042	370340	44	385556	15.88%	8.0/sec	36.90	1.73
Bazedemo Login	3053	21686	1372	84197	112005	155556	38	364940	13.72%	7.5/sec	40.93	1.60
Bazedemo Vacc...	2895	20046	1290	84190	108632	156186	392	298819	13.47%	7.1/sec	24.48	1.61
Bazedemo Reser...	2732	18746	1293	84169	97503	137944	327	346409	12.99%	6.8/sec	45.48	1.50
Bazedemo Purch...	2591	19838	1326	84172	103847	148702	356	370071	14.28%	6.4/sec	40.04	1.43
Bazedemo Confi...	2412	20269	1320	84181	105797	149931	64	370407	14.01%	6.0/sec	32.77	1.38
TOTAL	16952	21956	1436	84189	109566	161191	38	385556	14.10%	41.6/sec	218.89	9.19