

Performance Benchmark Testing for a leading Travel Website



ATTENTION. ALWAYS.

aspire 
SYSTEMS
attention. always.

THE SOLUTION

// The team executed performance testing against an isolated server in Customer's production farm environment, also analysed systems to identify benchmarks of load handling per server to ascertain their website performance //

BEST PRACTICES

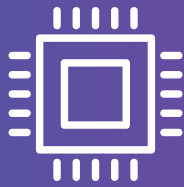
Aspire offered to take up Performance Benchmark Testing for the client over a period of two months. During that time, Aspire's team executed performance testing against an isolated server in their production farm environment. The team also analysed their systems to identify benchmarks of load handling per server to ascertain their website's performance against their competitors.

In the process

- 1 Aspire's team identified the performance of their then-existing system and analysed it against their competitors.
- 2 The team carefully designed the performance tests such that only the isolated server under examination is targeted for testing.
- 3 They developed a highly customized load-generating environment that can scale the load generation from low to high data in a distributed fashion.
- 4 The team prepared a detailed performance analysis, suggested improvements, performance tuning and re-baselining.
- 5 Consolidated their efforts and findings in a detailed test report that included metrics and graphs that analysed the error percentage to the average load as well as a scaled up concurrent user traffic.

- ➔ Aspire's team evaluated the ideal open source tool that would meet the performance demands of the client's business and recommended it to them.
- ➔ To minimize the risk of testing against production server, elaborate back-up and roll-back procedures were developed to execute the tests during non-business hours.
- ➔ The team additionally analysed the website's performance with YSlow, an open source webpage analytics tool.

TECHNOLOGY SNAPSHOT



Load Generator Environment:

JMeter, Java

UI Performance:

YSlow

Monitoring Tool:

Zabbix

RESULTS



Aspire's team helped the clients in actuating the average response time for transaction pages to be less than 45 seconds.

The team's efforts also helped the client in realizing a less than 1% error.



Performance Benchmark testing exercise was done in a shorter period of time with almost zero infrastructure expense.

FUTURE IMPACT

Aspire's dedicated Performance testing and benchmarking efforts has helped the client to understand their efficiency, learn the pitfalls and work on the gaps of their front and backend systems so that they can effortlessly scale as their web traffic increases.

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ABOUT ASPIRE

Aspire Systems is a global technology services firm serving as a trusted technology partner for our customers. We work with some of the world's most innovative enterprises and independent software vendors, helping them leverage technology and outsourcing in our specific areas of expertise. Our core philosophy of "Attention. Always." communicates our belief in lavishing care and attention on our customer and employees.

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