

Case Study

(MSOC) – 24x 7 Management & Performance Tuning Of High Traffic Internet Portal



BUSINESS REQUIREMENTS

The customer, was hosting with GoDaddy, wanted to migrate to a new infrastructure setup. As, they were looking for a partner who can help them in managing their highly-trafficked website. In addition to hosting, they were also looking at a cloud based CDN setup to ensure a better and faster experience for their customer.

Keeping this in mind, some of the key business challenges were -

- ✓ Setup at the new hosting location (SoftLayer)
- ✓ Migration of existing data to the new host
- ✓ Optimizing nginx at their new host
- ✓ On-going infrastructure support for the portal (including liaising with the hosting provider (SoftLayer))
- ✓ Performance tuning and advance caching, especially for the webserver – nginx.



OUR SOLUTIONS

AFL's solution included a mix of technology, people and processes, in order to provide 24 x7 monitoring and management of the setup within the new hosting environment.

AFL has helped the customer from the start to finish of their entire setup – right from identifying the infrastructure requirements to migration to new setup and finally high-end performance optimization and tuning of the new setup.

Industry	Ecommerce
End users	Consumers
Team size	2
Duration	8 weeks Migration & on-going HA hosting

AFL's service mix included:

- ✓ Design and Architecture of the entire infrastructure; keeping in mind the application usage, install-base, connectivity and end-user access systems.
- ✓ Analyzed the load pattern and geographic spread and quickly came up with hardware sizing and connectivity requirements.
- ✓ Setup and configuration of the entire infrastructure, including setting clear DMZ and MZs to ensure a highly secure setup.
- ✓ Setup and Configured the monitoring and management capabilities for fault tolerance and proactive alerts - on a 24/7 basis.

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TOOLS AND
TECHNIQUES



BENIFITS

- ✓ Setup and maintained a centralized helpdesk for end-user queries, as well as, L2, L3 issues.
 - ✓ Setup and managed all aspects related to the web server – nginx, operating system and database systems, including mail server.
- Nginx, HTML 5/CSS, Drupal, MySQL, Qmail

- ✓ Secure and highly optimized setup with the ability to scale up – as and when required.
- ✓ No single point of failure, improved fault tolerant design and architecture of solution.
- ✓ High Availability, including built-in failover all the time.
- ✓ Integrated monitoring and management of the entire system including infrastructure, connectivity and application that ensured maximum availability.
- ✓ Maximum utilization of server, storage and network resources/infrastructure for optimum performance and lower costs for customer.
- ✓ Reduced cost of ownership, as the entire service set was provided on Open Source Technology Stack.
- ✓ Performance tuning ensured that even low bandwidth users could access the system without any issues.
- ✓ Single point of contact, on a 24 x7 basis for L1, L2, L3 issues/incidents for all of the customer's IT infrastructure requirements.