Company/Client
Prestige MJM

Industry
Events, E-commerce

Duration
1 February – 19 August 2014

Services:
Server management, technical support, server architecture, migration to cloud

Consulting

Server Management

Cloud Computing

Technical Support

Prestige MJM

Case Study

Project description

For **Prestige MJM**, a leading concert agency in Poland, we have implemented a solution based on cloud computing **Amazon Web Services**. This agency many times organised events and concerts with **world's music stars** (Jose Carreras, Rod Stewart, Bryan Adams, Justin Timberlake, Scorpions, Backstreet Boys, etc.).

Layout of sales platform bilety.imprezyprestige.com

Challenge

Justin Timberlake concert in Gdansk was one of the biggest Polish musical events of the year. A record-breaking number of vievers have watched the show. PGE Arena in Gdansk gathered 42 thousands of Timberlake's fans, so the real challenge was to handle the online ticket sales campaign.

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Challenge

Our analysis showed that the
increased traffic of users would
overload the VPS server of
Prestige MJM's platform. As a
result, the **purchase could be
impossible**, and the sales app
would be overloaded and
unsuited to a increasing
numbers of customers.

Implementation

After analyzing the project, we proposed a **migration to Amazon Web Services**, which main advantage is scalability. The main purpose was to adjust the server infrastructure to the load generated by users.

We launched EC2 instances (one C3.large instance for the database, and five C3.large instances for the website). The main task of the AWS instances was to handle the increased traffic in MJM's sales platform. In addition, we launched Load Balancing service for the load-balanced server network traffic.

Preparation of AWS infrastructure and data migration we divided into several basic stages:

Stage 1 – Preparation of AWS infrastructure

After creating Amazon Machine Image (AMI), we launched C3.large instance for the database, five C3.large instances for the web and Load Balancing service for the load-balanced server network traffic. We also installed and configured tools for monitoring and improving the performance and safety of the sales app.

Stage 2 – Optimization and Monitoring

Our next task was to take care about scaling and reliability and optimizing the parameters of the database.

Stage 3 – Initial data migration

Application performance has been tested in the AWS environment. New infrastructure, including data security, was configured in a real time.

Stage 4 – Data migration

To make a full data migration, we had to temporarily disable the application. MJM, with our support, synchronized all data and changed IP addresses.

Stage 5 – Data backup

In the last stage we prepared a backup of transferred data, so in the case of failure it can be easily recovered.
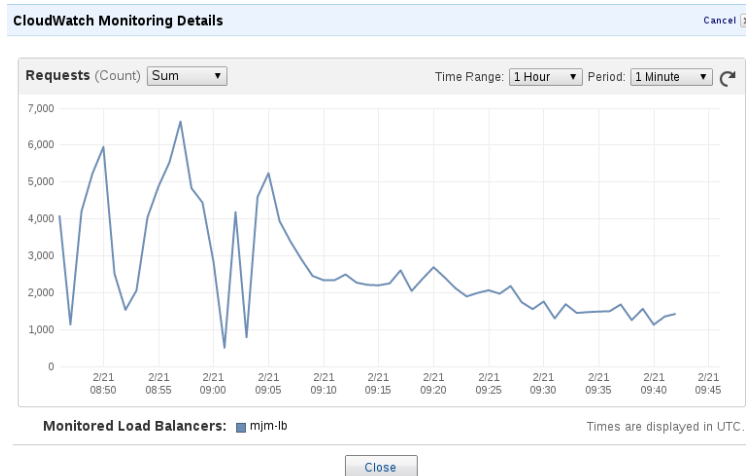
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Business benefits

Migrating resources from VPS to the AWS cloud **increased performance of MJM's sales app** and **eliminated problems with the availability of resources**. As a result, Justin Timberlake's fans could **easily purchased** tickets online.

The new infrastructure is highly scalable and allows to quickly increase or decrease resources. In the case of Timberlake's tickets sales campaign the load was 7000 requests/min.

CloudWatch Monitoring Details   Cancel

Requests (Count) Sum ▼   Time Range: 1 Hour ▼ Period: 1 Minute ▼ ↻

Monitored Load Balancers: ■ mjm-lb   Times are displayed in UTC.

Close

Testimonial

„Hostersi is a **reliable partner**, whose help was invaluable. With the technical support of Hostersi, MJM's sales platform **brilliantly handled the increased traffic** of Internet users."