

## IBM Customer Reference



### *Ivensys*

Synopsis: *IBM implements a complete IT solution based on IBM eServer xSeries 330 and 360 servers, IBM TotalStorage FAStT700 Storage Server and IBM TotalStorage SAN Fibre Channel Switches running on Red Hat Linux Advanced Server Version 2.1 clusters in order to provide support for a transportation company's booking system*

Location: Madrid

Spain

Industry: Travel & Transportation

Focus Area: Small & Medium Business

URL: <http://www.ivalsys.net>

#### Customer Background:

Created in 2002, Ivensys provides booking services for bus transportation throughout Spain. It was created out of Autores, an existing company that provides transportation for travellers in Spain. The company's mission is to provide the best centralized booking system for Spanish bus travellers.

#### Business Need:

In an attempt to further its business, Ivensys was looking to provide its customers with a centralized booking system for bus transportation throughout Spain. The system needed to be able to coordinate bookings coming from different sources such as the Internet, telephone calls, ticket sales desk and automatic ticket machines. The system would be available to users through access points located at specific travel agent offices, hotel front desks or automatic ticket dispensers.

The customer was looking for an IT solution to support this system. Specifically, the solution needed to meet the following requirements:

- Scalable - The customer expected the system to grow rapidly, but could not predict the scale of that growth
- Affordable - The customer was working from a predefined budget
- Resilient - The customer expected a large and increasing number of transactions to be made on the system beginning with 8,000 potential input clients making 8.5 to 14 million transactions per year
- Available - In order to satisfy customers, the system needed 24x7 functioning and availability capabilities.

#### Solution:

IBM responded to the customer's need by providing an end-to-end IT solution based on IBM eServer xSeries 330 and 360 servers, FAStT700 Storage Server and SAN Fibre Channel Switches running on Red Hat Linux Advanced Server 2.1 clusters. Linux provides the affordable and scalable environment that the customer needs to run its booking system. The xSeries 330 servers support the front end applications such as Web services, Metaframe and the mail server, offering the high performance needed for such applications. The xSeries 360

servers are the back end database servers. There are two nodes in an Oracle 9i Real Application Cluster and another providing backup functionalities through Dataguard. The FASSt700 Storage Server provides reliable, centralized, high performance storage for the customer's database and Dataguard servers. The FASSt700 is connected to the database via dual 2GB SAN Fibre Channel Switches.

#### Benefits of the Solution:

The IBM solution met all of the customer's needs and provided an enterprisewide, stable IT environment to support its new booking system. The solution was especially affordable due to the robust and reliable xSeries and Linux platform, which provided an overall reduction in the project budget of 50 percent compared to a Unix platform. The xSeries servers also offered a cost effective solution with their "pay as you grow" expansion system. The overall solution provides Ivensys with the performance levels and reliability it needs to keep its booking system up and running for its customers.