

ChosunILBO Migrates Entire Enterprise From WebLogic to Resin Pro Resulting in 30% Performance Increase and 40% Cost Savings

“Before Caucho, we used WebLogic in our main business systems. Using Resin, we ‘caught two birds with one stone’ and successfully achieved high-performance. We also reduced our total cost of ownership (TCO) by about 40%.”

- SeongHyun, Song Sir. Development Team, ChosunILBO, Inc.

Solution

Migration from WebLogic to Resin Pro

Industry

Publishing and distribution

Product

Resin Professional WEB/WAS

Country

South Korea

Summary

The ChosunILBO is recognized as the most influential newspaper in Korea. ChosunILBO runs numerous web sites and internal business systems written in Java.

ChosunILBO is also the largest and leading Media Company in Korea that provides newspaper, broadcasting, Internet, and publishing services. ChosunILBO allows users to gain access to useful information through diverse media including newspaper, mobile phone, Internet, TV and satellite DMB.

By working with Xest Information Technology, Caucho’s distributor in Korea, ChosunILBO migrated from WebLogic to Resin and achieved high performance, scalability and improved productivity.

Background

ChosunILBO's main business system, including EP, EIP, Groupware, MIS and CRM, was previously deployed on Oracle WebLogic. However, ChosunILBO had been suffering from heavyweight and slow web services. Due to the constantly changing demands and evolutions of their web applications, ChosunILBO decided to evaluate their environment against leading Java solutions for microservice development.

Developers at ChosunILBO started to examine alternative solutions that satisfied both high performance and cost savings. The review process of various application servers, as outlined in the following page, was conducted in a methodical and detailed environment evaluating criteria including performance, support, maintenance and reliability.

Review Process

The following Java products were evaluated– JBoss, JEUS (Korea's domestic web application server), WebLogic and Resin. Tests against competing Java products are outlined in the chart below:

Items	RESIN	A WAS	B WAS
Standards	★★★★	★★★★	★★
Reliability	★★★★	★★★★	★★
Performance	★★★★	★★	★★
Maintenance	★★	★	★
Cost Savings	★★★★	★	★★
Tech Support	★★★★	★★	★

★★★★ = Superb ★★ = Average ★ = Subpar

After considerable evaluation, including the necessity for a lightweight and high performance app server, ChosunILBO developers chose Resin as the best solution for their application.

After ChosunILBO replaced WebLogic with Resin, engineers observed the following changes in productivity, performance and scalability:

- They could increase work efficiency rapidly by a simple setting method and configuration change
- They could apply app source changes without downtime even if application source code was altered frequently
- By using Resin's lightweight and rapid restart in less than 10 seconds, they could minimize downtime and increase efficiency by over 30%

Because Resin provides seamless integration with popular frameworks including Spring, iBatis and Struts, developers used Resin as the core for their vital applications while successfully integrating their legacy applications.

“Migrating to Resin from WebLogic was a great choice for us. We reduced our total cost of ownership by about 40%”

- SeongHyun, Song Sir. Development Team, ChosunILBO, Inc.

In addition to the cost savings, ChosunILBO engineers found Resin's configuration environment very straightforward compared to WebLogic. Engineers were able to deploy advanced monitoring and statistics on their application from within the Resin environment, something they were not able to configure using Oracle WebLogic.

A benefit of 40% TCO reduction achieved by migrating to Resin is that ChosunILBO engineers were able use the money they saved to upgrade their hardware to the latest models.

Solution

ChosunILBO runs many mission critical news publishing sites and operates the largest newspaper in Korea.

ChosunILBO deploys Caucho on about 20 web systems written in jsp and deployed on Resin 3.1 and Resin 4. These services include homepage, Groupware, CRM and SSO

Detailed Architecture & Benefits:

- ChosunILBO now runs in a microservice environment powered by Resin so new applications are deployed rapidly and end users are very impressed with the ability to provide new versions of applications with no downtime
- ChosunILBO has access to Resin's source code for ease of development
- ChosunILBO enjoy testing and QA licenses provided free of charge to Resin customers
- ChosunILBO benefits from Resin lightweight Java app server that minimizes the need for third party dependencies

Conclusion

After performing diligent testing and benchmarking, ChosunILBO observed a 30% increase in performance and 40% cost savings by migrating from WebLogic to Resin.

About Caucho Technology

Millions of sites worldwide successfully use Resin as the fastest and most reliable Java EE integrated solution for web applications. For almost twenty years, Caucho Resin has become recognized for high performance, security and reliability with 99.99% uptime reported by the majority of our customers, many of them Fortune 1000 companies and governments who have mission critical performance and security requirements. Caucho was founded in 1998 and is based in San Diego, California.

For more information please visit www.caucho.com

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