



iBus//MessageServer *Success Story shorts*

iBus//MessageServer – highly scaleable persistent store-and-forward messaging

Softwired's iBus//MessageServer is a server-centric iBus™ product with publish/subscribe and point-to-point messaging. It is designed for applications requiring a highly scaleable Java Message Service (JMS), working over various transport protocols, or requiring a highly customizable Quality of Service (QoS). Seamless integration with iBus//MessageBus allows the advantages of both products to be uniquely combined for solutions such as real-time trading or live auction systems.

Solution examples

The following short success stories are examples of how Softwired customers and partners have deployed iBus//MessageServer to meet their business needs, outlining the challenges faced and the benefits they enjoyed.



Several of the largest players in the municipal-bond market, including Merrill Lynch & Co., the Salomon Smith Barney unit of Citigroup Inc. and Morgan Stanley Dean Witter & Co., are creating a new service that allows brokers and institutional investors the ability to buy and sell municipal bonds online. Softwired partner, WebCritical, is responsible for the development of this ambitious project.

The Challenge:

The venture, called "TheMuniCenter," will combine the inventories and distribution capabilities of four of the largest players in the municipal bond market. By accessing TheMuniCenter's site, investors and brokers can search for specific municipal-bond issues as well as trade municipal securities.

The Solution:

In partnership with GTT, WebCritical is designing and implementing a scalable technical architecture that will support multiple products (beyond Municipal bonds) and thousands of transactions per second, meeting the high transaction rate requirements of such a platform.

"After evaluating multiple products, we chose Softwired purely because of their ability to deliver the throughput we needed. No other company came close," said WebCritical's managing director of enterprise support solutions, Kevin Pirko. "Softwired understands our requirements and has been extremely responsive to our suggestions and needs. Having their

consultants on-site has proven to be a great way of understanding and resolving the issues."

Architecture

Both iBus//MessageBus and iBus//MessageServer 4.1.1 are being used in the project, integrated to provide the mix of features required:

- JMS IP multicast via iBus//MessageBus for data distribution with low latency and high throughput.
- iBus//MessageServer for those messages which need persistence together with the right tools to keep the application ready for business 24x7.

The combination of the two products also ensures that the dynamic scalability needs resulting from the unpredictable workloads placed on the system are met. TheMuniCenter platform runs on Sun Solaris.

More details: www.webcritical.com

The Alidian OSN architecture enables the deployment of a new



and innovative optical network infrastructure that is designed to meet the increasing demands for evolving data applications and end user requirements. Deployment of the Alidian architecture provides simplification of the network infrastructure and increased service flexibility, while enabling carriers and service providers to deliver value-add-differentiated services and applications

The Challenge:

As public network infrastructures switch from voice to data, [data usage is expected to increase to 80% of the total network usage in the next few years,] operators need to adapt to customer needs. This means network operators need the ability to flexibly allocate bandwidth and services. The requirements on the system allocating these resources are high availability, reliability and scalability.

The Solution:

Alidian Networks chose iBus//MessageServer for its high availability and scalability features, being heavy users also of features such as hierarchical topics, the JDBC API and the additional administration API and GUI console.

"The message service is one of the key components in our product enabling all parts of the application to work together seamlessly. We decided on the iBus//MessageServer from Softwired because of its high degree of reliability, availability, rich feature set, excellent technical support and most importantly efficiency of its message delivery mechanism." says Marc Cohn, Director of Product Management.

Architecture

The Alidian Networks Alluminate solution runs on Sun Solaris, NT or Unix operating systems.

More details: www.alidian_networks.com



Professionals in the finance market need all the help they can get to catch trends and respond quickly to market shifts. This need is not at all academic; their success depends on it. Codexa, founded by some of the most experienced people in the world of finance, is strategically positioned to deliver information relevant to trading and making investment decisions in the Internet era.

The Challenge:

Codexa has to have true scalability, reliability and the highest levels of performance for their leading edge distributed Toolkit used for summarizing Internet information and delivering concise reports.

The Solution:

Codexa chose iBus//MessageServer to meet their demanding needs: "We have just gone live with iBus//MessageServer, reinforcing our already strong opinion that Softwired's iBus software is absolutely the right choice for us." says Thomas Geer, Chief Architect of Codexa Corporation based in California. "The extensive testing we did during the evaluation phase showed the

performance of iBus//MessageServer under prolonged stress was simply unbeatable. Other products failed to work or just could not keep up with iBus."

Geer added: "The fundamental consideration was the need to have a full featured, scalable and robust JMS implementation, one compliant with J2EE 2.0. From there our decision was based on software architecture and quality. We also needed a company we could rely on. The support provided by Softwired during the development phase, and now into production has been unparalleled, ensuring quick time to market while keeping our development costs down."

Architecture

The Codexa Toolkit is a hosted [ASP] solution developed using the J2EE platform.

More details: www.codexa.com

Contact Information

Softwired Inc.

www.softwired-inc.com, info@softwired-inc.com

Phone +41 1 445 23 70, fax +41 1 445 23 72

Technoparkstrasse 1, 8005 Zurich, SWITZERLAND

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