CREDIT MARKET ANALYSIS
Credit Market Analysis Makes Major Productivity Gains with Spring.Net

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cma

A CME Group Company

SPRINGSOURCE RESULTS

Spring delivers the following business results to CMA:

- Reduced Development Time by 30%
- Meet Diverse Customer Needs
- Faster Problem Resolution
- More Productive Use of Resources
- Improved Application Quality
- Fast Developer Ramp Up
- Leveraging Existing Functionality
- Adding New Functionality

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"We are using Spring.NET to differentiate our software in the market."

Credit Market Analysis

Credit Market Analysis (CMA) develops technology that provides credit market pricing data to support investment professionals in the OTC (over-the-counter) credit market. The company's applications enable traders to view, organize and store quotes they receive from trading counterparties, and it provides a new methodology for price verification, enabling organizations to have a true market view and more accurately evaluate their end-of-day positions. CMA's software is used by the vast majority of the world's top investment banks, and hence the company must continue to offer high-quality products to maintain this competitive edge.

Challenge

As CMA evolved into a market-leading provider of enterprise software, the company had to mature its development process. CMA has multiple deployment strategies which include local deployments and an application service provider environment, depending on the needs of CMA's varied client base. Clients range from small hedge funds to international investment banks. Unfortunately, CMA's original code was not flexible enough to facilitate this strategy.

"The problem was that there was no easy way for us to configure the application to work in different deployment environments," recalls Mike Krolnik, CTO, CMA. "So we were put in the position of releasing a bespoke package each time we encountered a differing environment. Consequently, it took a lot of time and effort to go through testing and upgrading for all the new releases."

"There was always unique code for each implementation that had to be maintained over the lifecycle of the application," Krolnik continues. "This required a lot of extra coding and time spent on the plumbing. We wanted to spend less time producing connectivity for our applications, so that we could focus on producing new features for our customers." In addition, the software's inflexibility limited the types of customer environments CMA could deploy in. The company needed a new development platform that was flexible enough to handle any deployment.

Solution

Now, all of CMA's new generation applications are built on Spring. NET., a version of the Spring platform created specifically for building enterprise .NET applications. Spring is the de facto standard platform to build, run and manage enterprise Java applications. One of the major advantages CMA gains with Spring.NET is being part of the large community of dedicated developers who share their collective knowledge. "We utilize a lot of information from the Spring community," explains Steven Verze, Chief Architect, CMA.

Benefits

SPRING.NET DELIVERS THE FOLLOWING BUSINESS RESULTS TO CMA:

Reduced Development Time
"Spring.NET has removed 30% of our development time by providing the communication infrastructure between the layers of our software," says Krolnik, "and that 30% can now be focused on new features or time to market."

Flexibility to Meet Diverse Customer Needs
"Our application must be highly adaptable to be able to morph into all the different environments of our clients," says Krolnik. "With Spring.NET, we can design our system to meet all our clients' diverse needs, rather than release a new version of the software for every new client." Prior to Spring.NET, CMA typically released a new version of software up to 50 times per year, to adjust the applications for each different deployment environment. Using Spring.NET, the company only has to produce five new releases per year, because Spring.NET enables them to maintain a standard version of applications that can be configured for any environment.

Faster Problem Resolution
"In the old application, it would take us much longer to figure out a problem," Krolnik explains. "With Spring.NET, the cycle to find and fix a problem has been dramatically shortened. We used to take a week to resolve issues, now we can turn a solution around in a day – that is the order of magnitude we are talking about." "We can use Spring.NET to fix a problem and deploy it across all our clients with a simple change to a configuration file," adds Verze.

More Productive Use of Resources
Prior to Spring.NET, CMA had two developers working on underlying framework issues full time. Now both developers can focus on the more valuable task of building business functionality with the rest of the team. "We no longer have to work on boiler plate and framework code," says Verze. "Now, our developers concentrate on solving our priority business needs."

Improved Application Quality and Fast Developer Ramp Up
"Spring.NET allows more thorough testing of our application, enabling us to deliver a high quality product that became production stable very quickly," says Krolnik. According to Verze, developer ramp up time on Spring.NET is very fast. He says a developer who has never used Spring before could write a three-tier web application in two days using Spring.NET. Without Spring, Verze says the same project would take two weeks.

Leveraging Existing Functionality While Adding New Functionality
With Spring.NET, CMA is able to leverage more of their existing functional code than ever before. Prior to Spring, much of CMA's code could only be used for a specific release of an application. Now, Spring.NET gives CMA the flexibility to access this functionality, make it available to all deployments, and optimize the applications. "Spring.NET offers us options we never had before – functionality that was missing from our original application," says Krolnik. "Spring.NET also allows us to add these new features without disruption to the code base. We are using Spring.NET to differentiate our software in the market. For example, we can set up as many tiers as our customers require for their security infrastructure. This is an advantage over our competitors who are unable to offer this feature." New functionality that CMA can now take advantage of in Spring.NET includes exception logging, authentication, and the ability to offer locally hosted or an application service provider based solutions.

About SpringSource

SpringSource, a division of VMware, Inc., (NYSE: VMW) and the leader in Java application infrastructure and management, provides a complete suite of software products that accelerate the entire build, run, manage enterprise Java application lifecycle. SpringSource employs the open source leaders who created and drive innovation for Spring, the de facto standard programming model for enterprise Java applications. SpringSource also employs the Java and Web thought leaders within the Apache Tomcat, Apache HTTP Server, Hyperic, Groovy and Grails open source communities. Nearly half of the Global 2000, including many world's leading retail, financial services, manufacturing, healthcare, technology and public sector clients are SpringSource customers. For more information visit: www.springsource.com.

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