

Clackmannanshire Web Services Adaptor

Overview

■ The Challenge

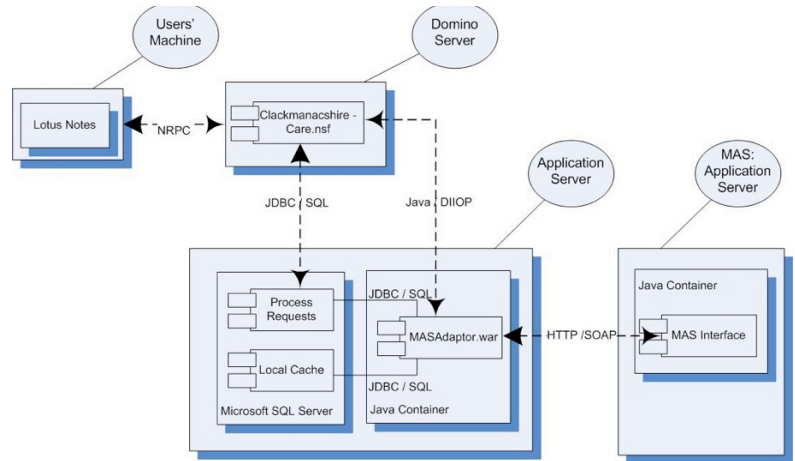
To implement an adaptor to integrate Notes applications with a list of publically published XML based web services that allow key social care data be shared securely amongst councils in Scotland. The adaptor needs to be configurable by the client for different applications as required.

■ The Solution

Choosing Bluewave Technology to deliver an adaptor written in Java utilizing Tomcat, SQL Server and Domino. The solution uses a number of technologies but ultimately demonstrates the versatility of Domino in the delivery of open solutions.

■ The Benefits

The ADAPTOR has been implemented to ensure that the council's Domino applications can be integrated with the published web services and ensure that data from the Domino applications can be exchanged securely with other councils.



Clackmannanshire Council offer services to the citizens of Clackmannanshire in Scotland in areas that include social care, children's services and schools. An increasing aspect of which are on-line services to citizens throughout the region.

Bluewave Technology in conjunction with Logica UK discussed the requirements of Clackmannanshire to integrate with a list of publically available web services which are designed to allow Councils of differing systems share social care data in a secure manner centrally. The challenge was to develop the technology that would integrate with Domino whilst also consuming the .Net web services that had been made available by the Scottish Executive.

Bluewave Technology has a strong track record in the

delivery of core mission critical Domino based applications. A key aspect to the solution required an openness that ensured the client could configure the ADAPTOR to call the required web services to share data with databases chosen by the client.

After an initial analysis project Bluewave Technology / CES Scotland were chosen to deliver the implementation of an ADAPTOR that would allow the Council configure what web services are called and what databases data is exchanged with. Bluewave Technology, the design partner were engaged to build the ADAPTOR and set about choosing the appropriate technology which would fit with the



The Software Solution Experts

Bluewave Technology Case Study

existing Domino environment.

The background to the project began in 2005 with the publication of a range of web services by the Scottish Executive based on .Net framework. The underlying concept of the eCare frameworks as the library of the web services is called, is that they can be consumed from any environment that supports web services.

Java was chosen as the underlying language of the ADAPTOR as it supports secure web service consumption as boasts a huge library of projects from which to draw class libraries from as well as the fact that it boasts significant Domino support.

An underlying configuration database was required and MS SQL was chosen at the customer behest, the ADAPTOR has been written to work with any relational database to store the configuration database. The JAVA library used to ensure the secure consumption of the web services is AXIS. This is a key component as security is of paramount importance given the data being exchanged. This was another reason for choosing Java as it has the language support to manage the security aspect.

The solution demonstrates Domino's ability to integrate tightly with other software platforms and technologies and further demonstrates Bluewave Technology ability to think and work out side of Domino to bring the best Domino has to offer to the wider world.

The solution is scalable and reusable and uses a large percentage of open

source technology including J2EE and Tomcat.

“AXIS is used to ensure the secure consumption of the published web services.”

MAS Adaptor Administration Console



| MAS Notification Id | Source System Name | Notification Type CV | Notification Text | Notification Date Created | Date Expires | Notification Reference Id | Notif Stat |
|--------------------------------------|--------------------|----------------------|---|---------------------------|-----------------------|--------------------------------------|------------|
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| 0a222b1d-e77c-4dff-893a-3a7a4ba338a7 | BlueWave | EN-NFT-UPD-SU | An update has been made to this Subject record. | 1910-08-25 00:00:00.0 | 1910-08-25 00:00:00.0 | 00000000-0000-0000-0000-000000000000 | PROC |
| 139fb65e-2a3c-48ea-98ac-c21ba5fa0a82 | BlueWave | EN-NFT-UPD-DA | A disclosure authority has been changed for this Person record. | 1910-08-25 00:00:00.0 | 1910-08-25 00:00:00.0 | 00000000-0000-0000-0000-000000000000 | PROC |
| 15726464-a413-4b1b-94c3-c41b9606b6b9 | BlueWave | EN-NFT-UPD-DA | A disclosure authority has been changed for this Person record. | 1910-08-25 00:00:00.0 | 1910-08-25 00:00:00.0 | 00000000-0000-0000-0000-000000000000 | PROC |

| MAS Notification Id | Source System Name | Notification Type CV | Notification Text | Notification Date Created | Date Expires | Notification Reference Id | Notification Status |
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| 06885fb4-d79f-4525-994d-59739b544194 | BlueWave | EN-NFT-UPD-SU | An update has been made to this Subject record. | 1910-08-25 00:00:00.0 | 1910-08-25 00:00:00.0 | 00000000-0000-0000-0000-000000000000 | UNPROCESSED |
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