A regional government improves flexibility and agility

IBM WebSphere software provides the basis for a reliable SOA

Overview

Improve flexibility

A regional government wanted to replace custom, point-to-point integrations with a more flexible solution. It also sought to lay the foundation for an SOA.

An SOA based on WebSphere software

The organization used IBM WebSphere® Message Broker and IBM WebSphere MQ software to loosely couple its established business processes with existing back-end systems, forming the basis of an SOA.

Greater responsiveness and reliability

The WebSphere applications enable the organization's IT department to react to changing business needs and challenges quickly and deliver a more reliable solution.

This regional government is made up of 12 principal agencies along with a variety of other agencies, statutory bodies and government-owned corporations. The organization's data center services team, which consists of approximately 70 staff, provides a variety of services to the regional government and its agencies, including management services for a mainframe computing facility, a variety of server environments, databases and application hosting.

Challenge

The regional government needed to improve its integration infrastructure. In the past, it used custom, point-to-point integrations and the FTP protocol to connect core business systems within and across departments. However, these integrations were difficult to manage, monitor and restart after errors. And after application changes or additions, redesigning or updating integration interfaces required a considerable amount of time. The organization sought a more dynamic integration architecture that would provide the basis for a flexible service-oriented architecture (SOA).

Solution

After evaluating several solutions, the regional government selected IBM WebSphere® Message Broker and IBM WebSphere MQ software for the IBM z/OS® platform. The WebSphere applications easily integrated with the organization's existing applications from IBM, including IBM CICS applications and the IBM DB2® database.

By deploying the WebSphere Message Broker software, the organization can reuse its established business functions in both real-time and batch, while loosely coupling them with existing back-end systems, thereby forming the basis of an SOA. Using WebSphere Message Broker software in combination with the reliable messaging capabilities of WebSphere MQ software enables the organization to ensure message delivery and guarantee their resubmission in the unlikely event of a failure.

Solution Components:

Software
- IBM WebSphere® Message Broker
- IBM WebSphere MQ
- IBM z/OS®

"In IBM WebSphere Message Broker software, we have found a robust, mature technology that marries the 'bet your business' reliability of the mainframe with flexibility and ease-of-use from a toolset that has proved to be extremely consumable."

— Regional government

Benefits

- Forms the basis of a flexible SOA by integrating mainframe systems with distributed systems as services
- Enables the organization's IT department to react to changing business needs and challenges quickly and deliver a more reliable solution
- Reduces interruptions in service

For more information

To learn more about IBM WebSphere software, contact your IBM sales representative or IBM Business Partner, or visit:
ibm.com/software/websphere

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