

# Case study: Liner and Shipping Company

## Client

Leading liner and shipping group.

## Industry Sector

Transport (Container Shipping)

## Business Challenge

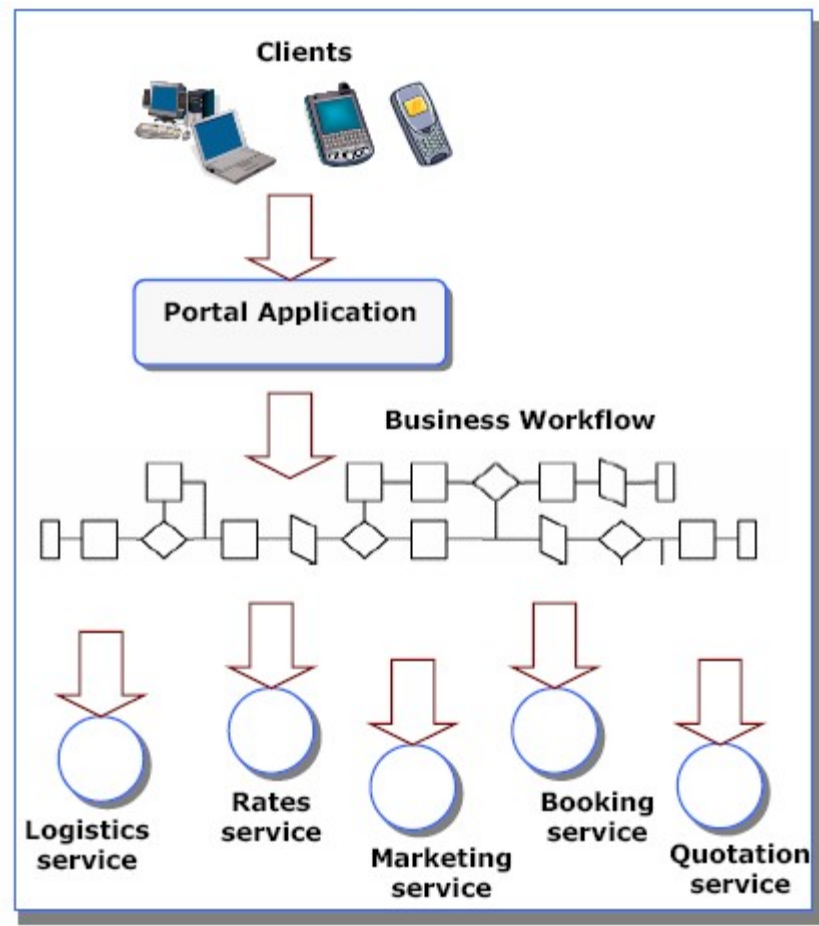
Build a state-of-the-art Global Management System (GMS), catering to the group's global offices; A backbone to support integration with the offices of the group.

## Technology

Java/J2EE, WebSphere Business Modeler, WebSphere Integration Developer, WebSphere Process Server, WebSphere Business Monitor.

## Description

The requirement of the client is for the complete business backbone to be re-developed, by phasing out the existing systems, without the need for re-use. The business process packages include CRM - Marketing and Sales, ERP - finance, HR and Inventory, Business operations - liner, logistics and shipping and finally, the Application administration services - user authentication and lookup. The client is keen on adopting an SOA based solution.



## Target Architecture

The client is targeting an IBM based SOA solution - from development to deployment.

The client has all the business processes well documented in an MS-word document format. The first step involves modeling all the business processes described in these documents using the WebSphere IBM Process Modeler. The process modeler would output the business model in BPEL format, which will be imported into the

WebSphere Integration developer. The BPEL produced, contains abstract references to services. The services would be implemented in J2EE with a SOAP based interface and the concrete details put in the BPEL.

Any manual task is converted into a workflow task, to be implemented using WebSphere MQ Workflow. The workflow engine is a part of the WebSphere Process Server. With this, the implementation of the business process is complete and the process is ready for deployment on the Process server. The Process server supports both workflow tasks and BPEL models.

Currently, the business processes are being converted into business process models, using the WebSphere process modeler. A sample business process model of the Vendor suspension process is shown below.

