



C A S E S T U D Y

The Royal Bank of Canada Upgrades a Core Application Using SOAP/AM®

**NuWave Customer
Case Study:**

NonStop Software:
SOAP/AM Server
SOAP/AM Web Service Client

Industry:
Banking



The Royal Bank of Canada (RBC) is the largest financial institution in Canada, measured by deposits, revenues, and market capitalization. The bank serves more than 17 million clients and has more than 80,000 employees. The Royal International Money Management System (RIMMS) was designed to support wholesale high-value payment processing. RIMMS started out as an off-the-shelf application package in the early 1980's, but RBC purchased the source code and customized the features and functions. Over the years, RBC added a full range of wholesale and international banking instruments, including FX, MM, derivatives, synthetics, debt equities, loans, and facilities. Today, RIMMS is a core and vital part of the RBC treasury function. However, it was written in TAL and COBOL, making it difficult to change and add functionality. The user interfaces were green screens and the programming interfaces were custom code.

RBC wanted a web presence for RIMMS and a standard way of interfacing other banking functions, such as trading, to RIMMS. RBC wanted to contain RIMMS and create a service-oriented architecture to bring agility and flexibility to the treasury business. Since the treasury business changes constantly, the architecture would be designed to adapt quickly with minimal effect on RIMMS and the other applications. A web presence with modern GUIs would make using RIMMS easy and more accurate.

RBC called on NuWave Technologies to create its RIMMS SOA environment with the use of SOAP/AM products. RBC downloaded a trial version of SOAP/AM Server from the NuWave website and within 30 minutes was building SOA objects through standard browser screens that intuitively lead developers through the process. RBC quickly purchased a production version for client interfaces and replaced the green screens with new modern GUIs. Then RBC set out to interface the Unix treasury applications with RIMMS. In this regard, RIMMS would send services to the Unix platform for execution. RBC then purchased the SOAP/AM Web Service Client so that the Unix platforms could send service requests to the RIMMS NonStop platform for execution. Today, RBC has a fully functioning SOA treasury environment because of SOAP/AM. RBC had high praise for NuWave's products and customer service.