

# Onboarding Agility with IBM Sterling B2B MFT & Testing Capabilities using Rational Tools

## *About the Client*

The client is one of the prominent financial institutions in Saudi Arabia, ranked third in assets. It was established in 1957. The Saudi government possesses 51% of the firm. The organization is regulated by the Saudi Arabian Monetary Agency.

# At a Glance

INDUSTRY | Banking

LOCATION | KSA

## USE CASE

KSA based bank wanted a faster Onboarding with a smarter B2B tool. Moreover, they were looking for performance & integration testing.

## Challenges Resolved by IBM Sterling B2B MFT

- 1 The client had a legacy B2B system running on IBM WebSphere as an external partner integration tool.
- 2 It was very difficult to meet the customer needs and onboard them for the client services as development of WebSphere needs lot of effort writing the java code and maintaining it.
- 3 Therefore, the client was looking for a smarter B2B tool which can help them to onboard external partners with less time

## Challenges Resolved by Rational Tools

- 1 The company pursued the performance testing to:
  - Find out the major bottlenecks in the performance for the key areas of company's corporate website.
  - Get the breaking point of the system.
  - Know, how the system behaved under peak load and off load timings
- 2 Examined service virtualization and automated integration testing to solve the following challenges:
  - Quality issues
  - Defects found in production
  - To have a production like environment to test
  - To perform testing on certain data using database virtualization

### Our Approach

- ➔ With Royal Cyber help, the client identified IBM sterling B2B MFT Financial Edition tool & started using it as B2B gateway that helped to expedite the onboarding process.
- ➔ The client migrated all the services running on legacy application easily.

Moreover, Royal Cyber helped the client to address the testing issues and utilized the below Rational tools:

- ➔ **Tool Used for Performance Testing**  
Rational Performance Tester version 8.5.
  - Installation
  - Configuration
  - Test Scenarios recording (as per the scenarios provided by the client)
  - Performance test execution for 2500 virtual users during peak and off peak time.
  - Reports generation
- ➔ **Tools used for Integration Testing**
  - Rational Integration Tester version 8.7.
  - Rational Test Virtualization Server version 8.7.
  - Rational Test Control Panel
- ➔ **Leveraged below middleware solutions to build the applications:**
  - IBM WebSphere MQ
  - IBM WebSphere Application Server
  - Tomcat server (for generating the web interfaces)

### CHALLENGES

The challenge was to meet the customer needs and on-board them. Another challenge was to find the performance bottlenecks.

### SOLUTION

IBM Sterling B2B MFT Financial Edition tool was used as B2B Gateway which resulted in quicker onboarding and less data errors. Rational Performance Tester and Integration Tester helped in testing.

### Key Takeaways

- › Faster customer / Partner Onboarding
- › Reduction in Data Errors
- › Easy to find root causes of performance degradation
- › Accelerated project delivery: 51-75%
- › Reduced cost of testing: 51-75%

## RESULTS

### ➔ Revenue Growth

- Faster customer / Partner Onboarding
- Introduce new products quickly / Time to Market
- Improve customer retention

### ➔ Cost

- Automate manual business process
- Reduce data errors / Improve efficiency
- Support System consolidate initiatives

### ➔ Risk & Compliance

- Reduce fraud & risk
- Control access to data
- Manage customer privacy preferences

### ➔ Performance Testing

- With the help of performance metrics recorded during test execution, facts and root causes of performance degradation were identified.
- Client's system/website performance improved after system tuning.
- End-user experience and comfort enhanced.

### ➔ Integration Testing

Selected IBM service virtualization and automated integration testing solution over other options for the following reasons:

- Superior product functionality
- Ease of use
- Speed / ease of implementation

Realized following benefits using IBM service virtualization and automated integration testing:

- Achieved faster project delivery / more on-time delivery
- Created higher quality / fewer defects found in production
- Boosted developer & tester productivity
- Augmented capacity to take on new projects for the business
- Reduced overall testing costs

Achieved following benefits with IBM service virtualization and automated integration testing:

- Accelerated project delivery: 51-75%
- Decreased defects in production: > 75%
- Improved test environment set-up: 51-75%
- Improved team productivity: 51-75%
- Increased project capacity: 51-75%
- Reduced cost of testing: 51-75%

# About Royal Cyber:

## Simplifying IT for Customers & Partners

Royal Cyber Inc. Headquartered in Naperville, IL is a leading software organization that provides services ranging from application development and deployment to training and consultancy. We commenced the operations in the year 2002 as a specialized Technology provider striding in as a software deployment service provider, assisting clients to meet the standards and demands of doing business in the rapidly changing marketplace. Today we stand tall as a **One Stop Shop for all your IT needs.**

55 Shuman Blvd, Suite 275, Naperville, IL 60563 USA. Tel: +1.630.355.6292

Email: [info@royalcyber.com](mailto:info@royalcyber.com)

[www.royalcyber.com](http://www.royalcyber.com)