Migration to WebSphere Commerce v9 to Simplify Commerce Platform Management

About the Client

The Client is the largest independent business supplies dealer group in Australia and New Zealand with almost 200 locations, delivering its dealers the strength of network with the power of independence. This client business model is based on extended sites B2B. Some stores also use B2C parallel to B2B.

At a **Glance**

INDUSTRY | Business Supplies and Equipment

LOCATION | Australia

USE CASE

An Australia-based business supplies dealer group wanted to simplify commerce platform management.

CHALLENGE

The client was not using any CICD process or repository to maintain their code which was creating a lot of issues

Business Challenge

1. The client had an outdated customization which was written in WCS v6 and then carried to v7 which they were using before migration.

2. The client was not using any CICD process for the deployment and was not maintaining any code repository, which was causing lots of code synch and deployment issues on Production.

3. There was no online DB Backup process configured due to which we had to make site down to take offline DB Backup. The customer wanted to avoid Site Down during DB Backups. The client did not want any downtime.

4. The eCommerce sites were running on an older version of IBM WCS, which had a complex user interface and a lot of backend processing for business users to manage the site.

5. This client wanted to take advantage of v9 microservices architecture which is easier to manage and scale.

6. The client had some performance related issues and wanted to take advantage of v9 jQuery based Aurora store which has improved response time and is more responsive.

7. The client had very complex business requirements.

   ○ The client was using 4 business storefronts Office Products Depot Australia, O-Net, Office Products Depot New Zealand and one storefront had the client name. They all include several B2B dealers of their own and have one B2C store as well which works on the internal store locator.

   ○ They were also using one National Account store which worked similarly like B2C store, but it had its own business logic to identify the checkout store.

Our Approach

Royal Cyber team performed the following activities

1. Migrated the IBM WebSphere Commerce platform from a co-located data center into the Amazon Web Services cloud

2. Reimplementation of Client's four brands on to the newer storefront (Aurora B2B) in IBM WCS V9

3. The buyer's data of client was migrated to the new solution – other integrations happened to the new storefront from Client's and Dealers ERP systems.

4. Backend processing for user onboarding, organization management and buyer's management were eliminated as IBM WCS V9 presents these options on the storefront website for store administrators / CSRs

5. Since WCS v9 uses docker containers, we implemented CICD and created a fresh GIT repository for the client. This helped in seamless development and deployment process.

6. We created a customized management console for their dealers to manage various business components like organization and user management, products, catalog filters, store and contracts management.

7. We implemented the minimum Order Quantity custom module to limit customers to buy only a specific quantity of some specific products at the store level.

8. We implemented new design and all the new features available in WCS v9.

RESULTS

The Client gained the following Results

1. Better User and Contract Management

2. Fresh GIT Repository

3. Effortless Commerce Platform Management

4. A modular architecture, driving better scale with less overhead

5. Continuous integration/continuous delivery with WCS v9 Docker capability

SOLUTION

Royal Cyber's seasoned WCS resources helped the client migrate from old version to WCS v9 to have a CICD capability using Dockers.

KEY BENEFITS

› CICD using WCS v9 Docker feature

› Reduction in time to market

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.**

ROYAL CYBER