

ROYAL CYBER

Fast-Track Migration to HCL Commerce v9 for



Abercrombie & Fitch

ROYAL CYBER | CASE STUDY

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ABOUT THE CLIENT

The client is an American lifestyle retailer headquartered in New Albany, Ohio. They focus on upscale casual wear. The business operates more than 1,000 stores across all three brands.

CASE AT A GLANCE





Industry: Retail

Location: USA



BUSINESS CHALLENGES

The client wanted a fast, innovative, modern, cloud-ready, and extensible digital commerce architecture with the speed and flexibility to fulfil business demands. Therefore, the client decided to migrate to HCL Commerce.

-  The client was using WCS Toolkit v7 FEP7. They needed to upgrade the environment to feature pack 8 as a first step before migrating to HCL Commerce v9. As there was no application migration utility, the code migration tool scanned EJB beans and identified entities along with codes that needed to update to JPA specification.
-  The development environment hardware was not meeting the requirements, and it wasn't easy to update the DB2 development database.
-  Access to the client's logging tools for debugging issues in higher environments was not easy.
-  Setting up a stable development environment was a major challenge.



OUR APPROACH

Royal Cyber performed the migration to HCL Commerce v9 using best practices. Other approaches used were:

- ➡ Migrated various components mainly in the catalog, member, and order modules.
- ➡ Developed a Microservice API for migration.
- ➡ Implemented the client's authorization components by migrating and building the all-new web application, which consists of CAP & MAILMAN.
- ➡ Provided the root cause analysis details to the client by identifying the OOB components limitations to raise PMRs with IBM.
- ➡ Delivered the client's design documents for CAP-MAILMAN implementation, developing the REST API for Caching strategy, building the API for moving the header-data to resolve the session data loss.



OUR APPROACH

- Royal Cyber contributed to resolving the critical blocker issues, resulting in a stable build with zero significant matters.
- Supported the client's DSRE team in configuring the content. Incorporating the CAP-Mailman application, applying the PMRs on higher environments.
- Created and deployed a separate stand-alone Spring JMS application on IBM OPEN LIBERTY Server. They then communicated with the HCL Commerce v9 Transaction server using IBM MQ and JMS at respective ends.



RESULT

The client witnessed the following results:

- ➔ Speed and flexibility
- ➔ Effortless commerce platform management
- ➔ A modular architecture, driving better scale with less overhead
- ➔ Continuous integration/continuous delivery with HCL Commerce v9 Docker capability
- ➔ A lightweight application deployed separately in a Docker container



KEY TAKEAWAYS

BENEFITS

CI/CD using HCL Commerce v9
Docker feature

Reduced time
to market

Royal Cyber's seasoned HCL Commerce resources helped the client in transition from simplified commerce platform management.





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 in meeting the standards and demands of doing business in the rapidly changing marketplace.

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