

EWM Implementation For A Retail Giant

Client

The client is a leading global retailer with an assortment of merchandise and operates worldwide via physical stores, warehouses and online presence.

Challenge

The project under discussion contains the several standard and customized features for the warehouses. The SAP EWM system is implemented for the entire end-to-end operations of the warehouses.

The client uses the app/device in the warehouses. The apps/devices are integrated with the SAP EWM system. The process flow must be tested through both backend (EWM) system and app/devices. The workflows included end to end inbound and outbound scenarios touching upon the SAP modules of MM and SD.

The changes in one warehouse should not affect other warehouses necessitating independent testing of each of the warehouses. Since there are customized configurations for each warehouse, the key testing areas to consider were:

- Delta Testing
- Regression Testing
- Performance Testing

Approach

QA InfoTech, started off with a team (working at client premises), of a group of SAP functional testers. Various SAP modules were integrated with the EWM system. The team onsite established and maintained a close collaboration with developers and business teams to ensure not just workflow understanding, but also leveraging reliable master data sets as the two together were critical in smooth deliveries. The team worked its way right from knowledge transfer sessions with business and functional experts to direct functional testing. Our testing responsibilities includes test execution, making test evidence documents, defect management across the web and on handheld devices. Closer to release, the team travelled to multiple warehouse locations to ensure the field-testing outcomes aligned with in the lab testing outcomes. Based on the requirement for each warehouse, the test cases and scenarios were customized and scripted and the end-to-end flow of testing was performed. The EWM scenarios which were tested through app/device were tracked in the backend (EWM) system. Travel to warehouse locations on short notice with dynamic work taken up on site. During launch times, the team was at remote warehouses for a significant period to ensure the release was smooth.

Value Proposition

- The EWM project worked on very tight timelines. Right from ramp up on short notice, the team took complete ownership for end to end quality including field testing efforts
- The team's collaboration with other ERP module experts was very strong to ensure a tight integration and regression test cycle, which reflected in the quality of the production release
- Given the complex workflows, a lot of interaction with business teams was required to ensure the tester took on realistic quality efforts, which the team was able to bring in efficiently

About QA InfoTech

At QA InfoTech we specialize in providing independent software testing and unbiased software quality assurance services to product companies, ranging from the Fortune 500 to start-ups. Established in 2003, with less than five testing experts, QA InfoTech has grown leaps and bounds with its Four QA Centers of Excellence globally; located in the hub of IT activity in India in Noida and Bangalore and our affiliate QA InfoTech Inc. in Michigan and Bentonville, USA.

- 1400+ QA engineers and domain experts
- An ISO 9001:2015, CMMi Level 3, ISO 20000-1:2011 and ISO 27001:2013 compliant company
- Thought Leaders in E2E testing, specifically in Test Automation, Performance Testing, Localization and Accessibility Testing

In 2017, QA InfoTech has been ranked in the top 100 places to work for in India. We are amongst the top 50 Best IT & ITeS Companies To Work For in 2012, 2014, 2015 & 16 in India. For more details, please refer [to our blog on this event](#).

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