

Automating testing of an ERP solution for Agriculture Industry

1.0 Overview

The customer is a Microsoft Gold Certified Partner and a leader in ERP solution for agriculture industry. Clientele are spread across Asia, Australia and Africa in sectors like Coffee, Rubber, Tea, Tobacco, Oil Palm, and Vineyards.

2.0 Business Need

Initial product was developed using COBOL with eight modules, later migrated to Visual Basic and subsequently to .Net.

Even while .Net version was evolving, the company had to cater to the ever changing needs of their customers who are already using the VB version of the software.

Managing the changing requirements, as well as managing testing on the core product, its customizations and the product to be launched in the context of changing requirements was a formidable task.

3.0 Solution

Astra worked very closely with the customer for about one year. Services rendered include tool identification, training, supply of trained manpower, manual testing, scripting, defect management, and mentoring.

They had already invested in IBM Rational Suite Enterprise and IBM Rational XDE. Astra helped them in refining their testing process. IBM Rational Unified Process was used as reference,

IBM Rational RequisitePro was used to manage requirements and IBM Rational XDE persist domain knowledge. IBM Rational Test Manager and Microsoft Excel were used to manage testing. An in house defect management tool was used to manage defects.

Testing was performed with combination of manual and automated testing. IBM Rational Robot was used to automate testing.

4.0 Benefits

Customer was able to focus on their core activity, that is, development of software and its supporting framework. This helped them in releasing their products on time with quality.