

Establishing testing process and test automation for A News Paper Group

1.0 Overview

A major news paper group in the state of Kerala (India) had a software development company to cater to their internal needs.

2.0 Business Need

As an organization catering to a major news paper group, the development company had to deal with drastic changes in requirements.

The software was developed to support the Enterprise covering management of distributors, agencies, inventory, purchase etc. Some of these modules were developed in PowerBuilder while some others were developed in Visual Basic.

The team found that many of the controls in the user interface were not being readily recognized by the commercial testing tools. Also, application had a lot of complex reports. Dynamic nature of data and query made testing of reports very difficult.

3.0 Solution

Astra has worked very closely with the customer for about 2 years. Services rendered include helping identification of tool, training, and mentoring.

IBM Rational Robot was identified as this was part of an end to end software engineering adoption. They had invested in IBM Rational Suite Enterprise. Astra has helped them in adopting IBM Rational Unified Process, requirement management, analysis and design and testing methodologies.

Most of the problems with poor recognition of controls were due to wrong mapping that was taken as default for custom controls. These controls were remapped leading to better recognition. A reporting engine was created as part of test automation framework to test report with dynamic data.

4.0 Benefits

Customer has been using IBM Rational Robot effectively over last two years now and testing team is enhanced with both manual and automated testing being done in house.

Customer has become well-versed and software testing in general and IBM Rational Robot in particular that they have started providing training on IBM Rational Robot.