



Overview

Business Challenge

In delivering specialised software testing products and services, TestPro aims to add value to its clients by assisting them to deliver software projects at a higher quality with less risk. It saw significant opportunity to reduce effort and resources during the product development lifecycle.

Solution

TestPro uses IBM® Rational® Team Concert™ software to help achieve greater visibility and reduce effort involved in managing product builds and defects during application development, maintenance and enhancement projects.

TestPro achieves visibility over software defect management

Reducing project risk and improving quality

An Australian specialist consultancy highly focussed on the software quality and testing field, TestPro blends expertise from all areas of the Software Development Lifecycle through its highly experienced consultants. Its core testing capability enables it to deliver across the key areas of:

- Automated regression testing
- Load and performance testing
- Requirements definition and management
- Test process improvement
- Test strategy and test management

TestPro's clients range from government and large enterprises – including telecommunications, financial services, manufacturing and retail – to smaller software developers and IT service providers.



Business Benefits

- Greater visibility over the entire software application build cycle and its output
 - Opportunity to increase productivity – with the ability to manage multiple developers on the same code base
 - Greater control over defects – ensuring they only change code which needs to be changed
 - Better quality control – through version management of regression scripts, as well as keeping them in line with the code base they have been developed for
 - Potential for enhanced project outcomes, less risk and lower development costs
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Delivering cost-effective, quality software

TestPro aims to add value to its clients by assisting them throughout the software development lifecycle to deliver projects at a higher quality with less risk. A significant area where effort and resources are involved is in product configuration. Managing product defects and builds is typically time consuming and labour-intensive. Accurate audit trails are required to track product changes, including defects and work items such as new features and functions.

TestPro's Managing Director, Scott Marchant, says that an easy-to-use product configuration tool is essential. "When you have multiple developers working on the same code, under pressure to fix defects and put the application into production, the process can quickly get out of control – leading to cost overruns, project delays and quality issues."

Acting in concert

As an IBM Business Partner*, TestPro has used, recommended and supplied IBM Rational products – both in delivering services and supporting its clients in their own software development activities.

It uses IBM Rational Team Concert software for the critical operations of managing product builds. Rational Team concert software is a management tool which can enable:

- The resolution of defects to be managed in line with other work items and packages
- Pinpoint versioning control, allowing builds to include specific fixes to be applied
- Isolation of lines of code that have been changed during the defect resolution process to more easily identify bugs
- Maintenance of a detailed audit trail
- Scheduling tools based on time allocation of effort
- Management of product release notes for each version
- Running suites of tests over selected build lists
- Support for Agile processes

Solutions Components

Software

- IBM Rational Team Concert

IBM Business Partner

- TestPro
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“In our extensive experience, Rational Team Concert reduces the risks and costs of complex software development projects.”

— Scott Marchant, Senior Test Manager & Principal Consultant, TestPro

Using Rational Team Concert software, TestPro benefits from greater visibility over the entire software application build cycle and its output. TestPro has experienced:

- Increased productivity – with the ability to manage multiple developers on the same code base
- Greater control over defects – ensuring they only change code which needs to be changed
- Better quality control – through version management of regression scripts, as well as keeping them in line with the code base they have been developed for

Scott Marchant says that this can all add up to better value for TestPro’s clients. “In our extensive experience, Rational Team Concert reduces the risks and costs of complex software development projects. It can also significantly improve quality control and streamline processes in the ongoing maintenance and enhancement of applications.”

Walking the talk

TestPro has also developed and supports its own application – TestPro Automation Framework (TAF Pro). TAF Pro complements the services TestPro consultants deliver to clients by enabling extensive testing of complex applications in a much shorter time than possible through traditional manual testing processes.

In developing and maintaining TAF Pro – which has at its foundation IBM Rational Functional Tester software – TestPro also uses Rational Team Concert tools. This helped enabled it to bring the product to market faster, and continues to reduce the effort and resources involved in supporting and enhancing it.



About TestPro

TestPro is an Australian IT Services provider with a specialist focus on assisting its clients to deliver projects at a higher quality and with less risk, through its consulting services and product expertise in the software quality and testing field. The experience of its highly skilled team has been gained through many delivery exercises, working on web-based systems, ERP software and a wide range of custom applications. www.testpro.com.au

For more information

To learn more about how IBM Rational software can support the software development and delivery process, contact your IBM sales representative or visit: ibm.com/software/rational/

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