



Global Software Delivery Model Case Study: Enterprise Application Development

PROJECT DETAILS

- Client:** European Based Independent Software Vendor
- Vertical:** Industry Independent Application
- Technologies:** ASP.Net, Dot Net Nuke, SQL Server, NUNIT Testing, NDOC
Documentation, Cruise Control, MS Build, Microsoft Application Center
- Solution:** ASP.Net Application Development, IOTAP Solutions for Microsoft
ISV Partners
- Highlights:** Software application within record time and within budget
Collaborative product development methodologies



Tridion



Sharepoint



Endeca



DNN



MS Dynamics

Daily build cycles were automated using Cruise Control.Net

Sharepoint was the collaboration platform between the ISV and IOTAP Technical Team

BUSINESS SCENERIO

A European based Independent Software Vendor (ISV) designed an innovative solution to implement the problems which large companies face to distribute salaries and bonuses across the organization.

Here is a brief description of the business problem they were trying to address:

- ▶ Management decides the salary and bonus budget
- ▶ The salaries and bonuses are then distributed across the organizations
- ▶ Managers provide the raise and bonus information to HR via Excel Files/Email/Etc
- ▶ HR realizes that the bonus and salary raise submitted has been 20% over the allocated budget, and there are errors processing as some managers have entered the allocations wrongly.
- ▶ Bigger problem - Employees have already been made aware of their upcoming raises and bonuses!

Here were the challenges faced by the ISV

- ▶ Growing technology complexities
- ▶ Tighter customer budgets
- ▶ Increased need for customer support

SOLUTION

The ISV provided IOTAP with the following information

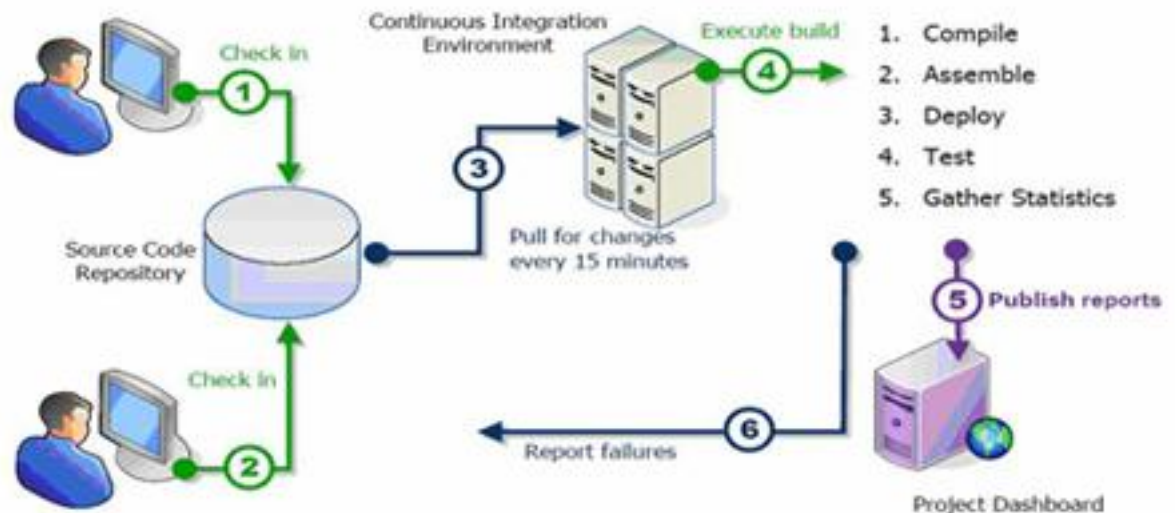
- ▶ Screen Mockups
- ▶ Functional Specification
- ▶ Database Schema

After researching, IOTAP along with ISV's approval decided to go forward with Dot Net Nuke as the web architecture and developed the solution in record time within budget. IOTAP also adopted practice such as

- ▶ NUNIT (for white box/code level testing)
- ▶ NDOC (for coding documentation and reference)
- ▶ Microsoft Application Center (for automated performance testing)
- ▶ Implemented Cruise Control.Net and automated daily build cycles
- ▶ Integrated team development approach using Sharepoint as the document management and communication engine with the ISV, its Technical Architect and IOTAP Technical team

Using IOTAP's on-demand software services, the ISV has been able to compete better and sign up with customers far more easily than ever before.

Continuous integration process Model



Available Tools:

Java Platform: Ant, Cruise Control, JUnit, Apache Maven, CheckStyle, PMD, JCoverage, Clover
 .NET Platform: NAnt, Cruise Control.NET, NUnit, FxCop, nCover, msbuild

BENEFITS

IOTAP .Net Solution has helped ISV complete the development of software application within record time and within budget. Also using IOTAP's on-demand software services, the ISV has been able to compete better and sign up with customers far more easily that ever before. IOTAP team also assists the customer in various pre-sales activities such as proof of concept and IOTAP maintains a pool of resources within the organization who are trained and familiar with entire application and technology stack of the salary planner application. After an internal case study of the ISV, IOTAP feels the customer experienced the following benefits:

- ▶ Flexible delivery models
- ▶ Collaborative product development methodologies
- ▶ Superior engineering skills
- ▶ Product knowledge retention.
- ▶ Robust quality frameworks
- ▶ Cost-effective offshore development & support
- ▶ Strict intellectual property protection standards

About IOTAP

- ▶ Business Since - Mar 2004
- ▶ Provides Offshore & Onsite Software Development & Support Services
- ▶ Based out of Mumbai & Chennai India
- ▶ Microsoft Gold Partner
- ▶ Microsoft Silverlight Partner
- ▶ STPI Certified Facility
- ▶ Co-Founded By Oracle & IBM Alumni



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