



Ambrosia Infotech

"Synergising Minds"

The Client

The client is UK based company which helps organizations to optimize the performance of their software development resources and to manage software development seamlessly across different subsidiary organizations, geographies, and outsourcing vendors. The client products deliver the following benefits to an organization

- Minimize and monitor project risk
- Increase predictability of software products
- Maximize and monitor the productivity of software development resources
- Clearly communicate performance goals to software development resources and track progress towards them
- Extract maximum value from outsourced and off-shore software development vendors

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The Client



The client was developing a product that would allow end companies to monitor their entire software development process and manage their vendors.

The product was envisaged to have the following features:

- Save valuable management time on project tracking and reporting
- Captures and integrates disparate sources of otherwise inaccessible performance data
- Combines electronic measures with traditional managerial assessment
- Timely performance measurements
- Provides management overview reporting
- Integrates diverse enterprise systems
- Specialized data mining / statistical analysis tools
- Benchmarking performance with industry peers
- Multi-vendor SLA monitoring and comparison

The client had 3 different vendors developing different parts of the system and required an IT solutions partner who could act as an integrator between these vendors providing management, testing and quality check on the vendors and the product development life cycle.

Ambrosia with its vast expertise, cost-effective delivery model, and a proven development methodology was chosen as the ideal partner.



Ambrosia – Challenges

The key challenges of the project were

- Create Unit tests for the full application, the vendors already had created a unit test of their own without following proper standards these needed to be repaired and made part of complete test harness
- Provide a suitable interface to test performance of the system on an ongoing basis
- Creation of test data
- Proper management of code release process
- Provide end to end testing QA and Process

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Challenges



Ambrosia approached the problems in the following way

- Unit tests were provided for the full application. These unit tests used the existing unit tests, repaired them where necessary, and extended them to cover new code. Unit tests were also added to cover classes that do not yet have unit tests associated with them.
- A performance and scalability testing framework implementation was required. An HTTP test harness was created using Open Source JUnit based tools The Performance and Scalability tests should also, where appropriate, leverage off the unit tests.
- Compiled all test data sets in consultation with the client.
- The code repository was reviewed for quality check and log4j error handling implemented throughout the application. The logs included all necessary information to resolve errors and defects
- A full release testing process was implemented that automated all regression tests and provides flexibility to incorporate and test new functionality on an ongoing basis
- The source code was migrated from the exiting CVS repositories to subversion repositories. During the migration all file history was migrated into the new repository.
- Performed functional, performance and compatibility tests

Solution



Ambrosia – Benefits

Some key benefits of the engagement for the client:

- Access to an experienced team of technology professionals
- Provided Management support to the client to manage its development vendors
- Access to a team with experience in multiple development platforms
- Proper risk evaluation and mitigation process
- High standards of delivery and quality
- Cost-effective solution
- Committed deliveries

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Benefits



Ambrosia – Approach

Key features of our approach were:

- Worked closely with the client to ensure strong security and confidentiality across the processes
- Followed best practices in testing and quality analysis.
- Complemented through recruitment of highly skilled and qualified staff
- All target dates were met on time or ahead of time
- Thorough hand-holding at go-live stage and proper documentation of the system
- Following defined Project Management methodology resulted in phase wise rollout of the system.

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Approach

