



ebusinessware
R³ Management Group

RE Reverse Engineering engineering architecting

R³ Management Group

Ever since its formation, our R³ group has been restoring projects and converting them into beautiful pieces of software engineering & architecture.

The R³ mercenaries reverse engineer, break up the legacy code piece by piece that is still useful and carefully blend it with the freshly erected contemporary architecture that is designed to last, perform and meet your criterion.

This is mundane work, an unskilled team can't perform it and a skilled team wouldn't like to do it. Aware of this opportunity, established R³ group accepts such challenges on behalf of our clients.

Project Remodelling

R³ Projects are Ideal for Outsourcing - Re-engineering, Re-architecting and Reverse Engineering

Reverse Engineering of applications or products that have been in use for some time but have either lost key-people or documentation cannot be modified to accommodate sought after enhancements or even fix known defects making it important to get a set of documentation and knowledgeable personnel.

The documentation need can range from "minimal" to "thorough"; depending on the application, technologies used, and design methodologies followed, some of the reverse engineering tasks can be automated using available off-the-shelf products but a significant part needs manual intervention. Moreover, the team performing this task needs to be conversant with business knowledge of the subject, technologies used, current with documentation methodologies and tools to be followed.

Reengineering and Rearchitecture are somewhat similar, **Rearchitecture** involves re-creation of an application using a different platform altogether; technology platform, may be operating system, programming language, data base, different embedded software products. When existing application is based on generations old technology not worth considering anymore either due to lack of skilled resources or expensive resources or due to lack of the required features in the old platform. The fact that the cost of enhancements and maintenance might be more than the cost of complete rewrite is another reason.

Reengineering doesn't require that drastic move. Current application is reused to some extent, be it some of the modules or some of the data base tables, or some of the screens or modules.

ebusinessware R³ Group Management practice is exclusively devoted to tackle these experiences.

- This group studies the existing application to quickly turn around an initial proposal with findings and recommendations on the feasibility of Reverse engineering, followed by either Rearchitecture or Reengineering as well as information on the level of Reverse Engineering documentation required.
- Depending on your reasons to consider overhauling the existing application, we work with you to establish the best practice going forward with different scenarios. If asked for, advise on slicing & dicing & sorting such initiatives into smaller but concrete and value added deliverables is also provided.
- ebusinessware process framework UniRAD guides this group to facilitate this challenge through the completion as indicated below.

	Discipline Workflows	Discipline Workflows	Maintenance Lifecycle	Re-engineering Lifecycle	Product Development Lifecycle
	Business Modeling	●			
	Requirements Specification	●	●	●	●
	High Level Design	●		●	●
	Detailed Design	●	●	●	●
	Build and Unit Test	●	●	●	●
	Integration and Testing	●	●	●	●
	System Test	●	●	●	●
	Documentation	●		●	●
	Acceptance and Installation	●	●	●	
	Warranty Support	●		●	
	Operations and Support		●		
	Project Management	●	●	●	●
	Requirements Management	●	●	●	●
	Configuration Management	●	●	●	●
	Monitoring and Tracking	●	●	●	●

Light
Medium
Heavy

The table below summarizes R³ management group's diverse solutions to compelling challenges

Solution	Challenge
• Financial Risk aggregation (+)	A large services vendor was asked to leave overnight and ebw's R ³ team was asked to take over
• Exchange traded Order Router (+)	Old application had lost key personnel and technical documentation was light. ebw was asked to re-architect the entire client side application
• FX Derivates Electronic Trading (+)	Existing vendor left during the build stage along with recent version of the software. ebw was asked to take over the half done application.
• Real-time Financial Information Presentation	Existing one or two person team was taken out in favor of the well established ebw R ³ team
• eCommerce Product for specific merchandise (+)	Existing employees were taken out in favor of the well established ebw R ³ team
• Credit Reference data management Product (+)	One of the big management and accounting firms handed over their unfinished work to ebw for completion
• Portfolio Trading	An older application was required to be moved from one set of development team to another one in different geographical location. ebw was asked to produce documentation.
• Credit Derivatives Trading	An old application had to be enhanced for various reasons including scalability, auditability, new dynamic features, among many. ebw was asked to step in and take the application to the next level
• Strategy implementation workflow based Product	The existing vendor had spent too much money during the PoC stages of development and the client looked for a more experienced vendor in ebw
• Expense Management Transactional System	The existing system was very manual process oriented and the client was considering outsourcing the process management. ebw stepped in and created a new system quickly for the business process outsourcing vendor to use

• Reverse Engineering •

• Reengineering •

• Rearchitecture •

Your Best Value
Knowledge Partner

Centers of Excellence

BUSINESS ANALYSIS
QUALITY ASSURANCE
PROJECT MANAGEMENT
SOFTWARE ENGINEERING

Your next step to

SUCCESS!

Contact Us

Head Office
14 Wall Street, Suite 5E,
New York, NY 10005
United States of America

Tel : +1.212.232.0285

Singapore Office
31, Cantonment Road,
Singapore 089747

Tel : +65-6323-2004

India Office
SCO 43, Old Judicial Complex,
Gurgaon, Haryana - 122001

Tel : +91-9811423969

Europe Office
37-39 Lime Street
3rd Floor,
London, EC3M 7AY
United Kingdom

Tel : +44.20.7663.0815

Malvern Office
18 East Lancaster Avenue,
Malvern, PA 19355
United States of America

Tel : +1.484.527.4000

Write to
For all personnel related queries
hrd@ebusinessware.com

ebusinessware enjoys the membership of
NASSCOM, STPI and BEP

ebusinessware Company Profile

BACKGROUND

ebusinessware is a global technology and business services firm offering innovative solutions to a varied customer base. Founded in 1999, ebusinessware is headquartered in New York City. In addition to our presence in the US, we have established operations in India, Singapore and UK.

OBJECTIVE

Our primary goal is to provide the highest quality technology and business process outsourcing services while tightly managing project costs and reducing overall project risk.

SERVICE OFFERINGS

- Custom application development and integration
- Production support
- Application architecture and design
- Quality assurance and testing
- Re-engineering and migration services
- Reverse engineering and UML documentation
- Legacy application web enablement
- Financial data management services
- Knowledge process outsourcing (KPO)
- Helpdesk support
- Staff supplementation services

EXPERTISE

Our technology professionals have deep subject matter understanding in areas that are critical to our clients' business. Our process focus ensures efficient communication between our teams and our clients' teams, resulting in high quality, cost-effective and timely implementations. We are market driven, and have the necessary technology and business skills to make our customers succeed.

TECHNICAL SKILLS

- Java and J2EE on UNIX / Windows
- .Net Platform
- XML based solutions (FinXML/FPML)
- EAI/ETL Tools
- Data Warehousing/Mining/KDD tools/BIApplication
- Server Deployment (Websphere/Weblogic)
- Security tools
- Legacy system maintenance
- Testing tools (Mercury, eTest, Rational Robot)
- UML modeling tools (Enterprise architect, Rational)
- Open source tools
- IBM Mainframe and COBOL expertise
- RDBMS (Oracle, Sybase, MySQL, SQL Server etc.)
- Middleware
- CRM products

BUSINESS SKILLS

- Market & Credit risk management, Reporting, Mapping, Measurement and Modeling
- Credit derivatives, Trading and Straight through processing
- FX and Fixed income derivatives and Global trading systems
- Hedge funds and Prime brokerage
- Electronic trade management and Order routing
- Portfolio reconciliation services
- Institutional and Private client asset and Wealth management
- Managed accounts, Money managements, and Securities lending
- Portfolio measurement and Performance solutions
- Fixed and Variable annuities business
- Sales CRM, Data warehousing and Business intelligence
- Credit and Reference data counterparty
- Strategy Management

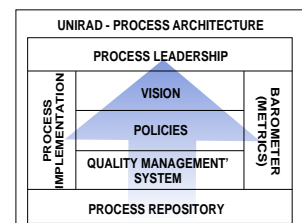
"We help our clients to save money, enhance quality and lower the risk of IT projects."

OUR VALUE PROPOSITION

Our combination of in-depth industry expertise coupled with an ability to rapidly scale on and off-shore development, analyst and business processing teams on short notice helps our clients to get their projects done on time and within budget. Our technical professionals are experienced in a broad range of technologies ranging from legacy systems to cutting edge technology, enabling us to succeed in a wide variety of challenging assignments. Our business processing professionals are experienced in specific areas of data management and transaction processing, reducing learning curves and increasing productivity.

IMPLEMENTATION METHODOLOGY

ebusinessware technology architects have developed the UniRAD methodology framework for undertaking even the most complex collaborative project development assignments. UniRAD formalizes a quality management system practiced at the organizational level, such that progression of those best practices to all projects is natural, automatic and smooth for its workforce. UniRAD derives the best process components from the popular Rational Unified Process project methodology and the Rapid Application Development approach, providing a structured and delivery focused project approach.



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