for Requirements Management
Background
- Who is involved with Requirements Management?
- Key Requirements across the Landscape
- Traceability and Impact of change
- Reuse Requirements
- Enterprise Architect and Documentation
- Enterprise Architect Pricing
- Enterprise Architect Training
- About INTEGRATE IT
We are a software company disguised as a Bank” - CEO of Citibank
Excerpt from Winning with Software – Watt Humphries

Every organization today is a software company, and the role of the business analyst has never been more important. All stakeholders are demanding better software, delivered faster, and with low tolerance for business outages and security breaches.

Software Requirements continue to grow in importance and skilled business analysts are in demand as organizations are improving their capabilities to align business strategy with successful software development outcomes.
BIZBOK® Toolkits, Templates, and Stencils for Business Architects

- Help Screens based upon BIZBOK®
- Work Packages generate the Business Architecture Definition (BRD)
- BIZBOK® Diagram Toolbox stencils
- Pre-built Catalogs, Matrices, Diagram Patterns
- Requirements Management Repository
- Document Templates to generate MS Word, MS Excel and MS Power Point
BABOK® Framework and Templates for Business Analyst

- Help Screens based upon BABOK
- Work Packages to Generate the Software Requirements Specification (SRS)
- Diagram Standards and Toolbox stencils
- Project standard templates to integrate and generate Word, MS Excel, MS Powerpoint documents
IIBA and Sparx Systems announce a Strategic Alliance

The BABOK® Guide describes Business Analysis areas of knowledge, their associated activities, and the tasks and skills necessary to be effective in their execution.

The International Institute of Business Analysts carefully selected Sparx Enterprise Architect as their only tool in its new strategic alliance because Sparx is (in IIBA's words) a "leader [in its field]... offering the BA community increased value and support, helping achieve greater business outcomes."

June 2016
BABOK® 4.3 - “These requirements may be stored in a repository”

Repository Benefits are:
- Collaborate with many stakeholders
- Store knowledge and re-useable facts
- Manage business and technical complexity
- Trace impacts across many projects
- Re-use promotes continual quality
- Re-use avoids rework
- Re-use saves time
for Requirements Management

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Business Leader – My role is to continually improve and operate our capabilities. I sponsor, guide, and own the business architecture solution.

How do I Collaborate, Track, Review, and Approve our Product Roadmaps?

How can I apply my business expertise to Review, Comment, and Edit KPI's for our business process improvement models?

How can I verify that business rules are in line with Regulatory compliance and policy and then reused across digital solutions?
Business Architect – My role is develop and frame innovative business models to ensure business agility across the digital enterprise.

<table>
<thead>
<tr>
<th>Question</th>
<th>Diagram</th>
</tr>
</thead>
<tbody>
<tr>
<td>How can I share Capability Heat maps with stakeholders across the business landscape?</td>
<td><img src="slide10.png" alt="Diagram" /></td>
</tr>
<tr>
<td>How can I Collaborate with Process owners to ensure business architecture process transformations are kept in scope?</td>
<td><img src="slide10.png" alt="Diagram" /></td>
</tr>
<tr>
<td>How may I share stakeholder needs and concerns with all architects across the Enterprise Architecture Value Chain?</td>
<td><img src="slide10.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

Enterprise Architect for Requirements Management

INTEGRATE IT - http://www.IN2GRATEiT.com
Business Process Manager – My role is to analyze and improve business processes to ensure better business solutions.

How can I share my BPMN models with business subject matter experts who do not use modeling tools?

How can my clients Collaborate, Review, Comment, and Approve my business process modeling improvements?

How can I verify the Decision Modeling using business rules to ensure my models deliver business agility?
Requirements Manager - My role is ensure business needs, functional requirements, and software requirements are traceable and re-used according to business capabilities.

<table>
<thead>
<tr>
<th>Providers</th>
<th>Martin Jones - CEO</th>
<th>Clare Smart - COO</th>
<th>Frank Bey - CTO</th>
<th>Cindy - Product Manager</th>
<th>Mark Ellsworth CMO</th>
</tr>
</thead>
<tbody>
<tr>
<td>KPIs</td>
<td>HL_REQ_1 Informed</td>
<td>HL_REQ_2 Informed</td>
<td>HL_REQ_3</td>
<td>HL_REQ_4 Informed</td>
<td>HL_REQ_5 Consulted</td>
</tr>
<tr>
<td>Payments</td>
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</tr>
<tr>
<td>Quotes</td>
<td></td>
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</tr>
</tbody>
</table>

How can I share the impacts of regulatory requirement changes across all applications, information, and projects?

How can I manage business rules catalogs and policy changes with all stakeholders across the enterprise?

How can I share requirements reuse across many projects?

![Diagram of enterprise architect for requirements management](http://www.IN2GRATEiT.com)
for Requirements Management

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Key Requirements across the Landscape

- **Business Rules** – the King of all Requirements
  
  A new customer must not place an order that exceeds $1000 USD

- **Data Requirements** – ensure integrity everywhere
  
  International Standard Book Number (ISBN) for Book data Classification example 978-3-16-148410-0

- **Functional Requirements** – ensure business outcomes
  
  A web customer must have the ability to purchase a book listed in the book catalog.

- **QoS Requirement (alias NFR)** - ensure IT Service Quality
  
  A Level 1 Security incident Time lag between detection, reporting and acting upon security incidents must be LT 20 minutes
Identify stakeholders, concerns and needs

• Trace Business Rules and Requirements to Business Concerns and Needs

<table>
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</tr>
</tbody>
</table>

CEO: We have a concern that many staff nearing retirement are leaving with business knowledge

CFO: We have a concern there is no clear idea of who should drive the transformation, business or IT

CIO: We have a concern there is a plan to move from legacy systems without learning contained business rules

CIO: We have a concern we have no single source of data we use 20 fragmented databases
Business Capability Requirements

- Trace Business Rules and Requirements to Business Capabilities

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Legend
- white - not evaluated
- green - good
- yellow - problematic
- red - poor
- purple - missing
Process Scope Requirements

- Trace Business Rules and Requirements to Process Value Stream

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Process Requirements

- Trace Business Rules to Business Process models

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Sprint Planning
Packaged by Functionality

- Provides scope of work
- Roles are nouns (Web Customer)
- Name of the story is a verb that describes the goal of the role (Web Customer)
- Provides Planning, Work Breakdown Structure, and Worker assignments

Manage Searches
- search books
- search by author
- search by title

Manage Orders
- order book
- pay by amazon prime
- pay by debit card
- pay by paypal
- pay for order

Manage Order Status
- cancel order
- find order status

Manage Account
- authenticate account
- change password
- create account
Use Case Storyboard Requirements

- Trace Business Rules and Requirements to stories

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User Interface Requirements

- Tracing a Business Rules and Requirements to User Interfaces

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Enterprise Architect for Requirements Management
Data Requirements

- Trace Business Rules and Data Requirements to Data models

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Solution Architecture Requirements

- Trace Business Rules and Requirements to Solution Architecture

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Software Design Requirements

- Trace Business Rules and Requirements to Software Design

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Software Engineering Requirements

- Trace Business Rules and Requirements to Software Engineering

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Story driven Acceptance Testing

• Trace Business Rules and Requirements to Testing

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Reuse Requirements

- Manage Requirements for re-use beyond the lifetime of a project
- Re-use facilitates impact analysis for changes
- Re-use Requirements must be readily available to all stakeholders
- Re-use Requirements must be clearly named and defined
- A person should be identified to manage the repository
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Knowledge and Requirements Management
Must Support

- Open Standards BPMN, CMN, DMN, MDA, NIEM, TOGAF, UML, REST API Integration
- Modeling business transformation and cloud migrations across the Enterprise
- Modeling and text traceability across projects and the enterprise
- Cloud based
- Cloud integration
- Model and Word documentation
- Security and Baselines
- Open Relational Databases technology
- Scalability for thousands of users
- A Loyal User Group Community
- Low cost of entry
1. Select an **Element**
2. Create a New Template
3. Select and Sort Sections
4. Delete unwanted Content Format
5. Add new Content Format
6. Insert Fields into Table
7. Generate Document

---

**order book**

As a Web Customer I wish to find and purchase a book so that I may read it.

Story Estimate: 8 hours  
Story Priority: 5

---

**Mandatory Reading:** Sparx White paper - *Working_with_the_RTF_generator*
The MDG Integration for Microsoft Office allows teams to seamlessly leverage the information authored in MS Word, MS Excel, MS Powerpoint documents within Enterprise Architect as model elements and

- Use MS Excel to generate a Use Case diagram in Enterprise Architect
- Import requirements into EA using MS Excel
- Synchronize data between MS Excel and Enterprise Architect
The MDG Integration for Microsoft Office allows teams to seamlessly leverage the information authored in MS Word, MS Excel, MS Powerpoint documents within Enterprise Architect as model elements and

- The Integration allows you to utilize your model directly within a PowerPoint presentation and ensure that your presentation is always up-to-date with the latest changes in your model
- Generate a MS Powerpoint presentation from Enterprise Architect

Enterprise Architect for Requirements Management
The MDG Integration for Microsoft Office allows teams to seamlessly leverage the information authored in MS Word, MS Excel, MS Powerpoint documents within Enterprise Architect as model elements and:

- Importing an MS Word Requirements, Use Cases and other project information
- Packages and Elements
- Using Linked Documents
- Synchronize MS Word with Enterprise Architect
PUBLISH | Web | Standard HTML Report
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Enterprise Architect Training for Business Analysts

- About INTEGRATE IT
Enterprise Architect for Business Analysts

**Enterprise Architect for Business Analysts**

Duration: 3 days – Expert led Enterprise Architect hands-on training.

Innovative Business Analysts need to find better ways to improve project productivity, reduce risk, and deliver business value. Learn why the IBAB selected Enterprise Architect as their BA tool of choice and why they said Enterprise Architect is a "leader in its field"... offering the BA community increased value and support, and helping achieve greater business outcomes. Business leaders need highly effective BAs, EAs, and PM's working as a team to ensure business outcomes are realized. Learn how Sparx Enterprise Architect harmonizes critical roles using a shared reuse repository.

This interactive hands-on workshop is focused on revealing best practices techniques when using Enterprise Architect as a comprehensive Business Modeling, Business Process modeling, and Requirements Management productivity tool. This workshop incorporates effective techniques based upon the Business Architecture Guide (BIZBOK®) and the International Institute of Business Analysts (BABOK®).

The numerous productivity techniques shared by our experts are documented to accelerate project deliverables by 40%. We invite you to join our Master BA, and Enterprise Architect SME, who will lead your workshop experiences along with supplied course materials.

[Review Pricing](https://www.in2grateit.com/training-EA4BA/)
for Business Analysts

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About INTEGRATE IT

INTEGRATE IT - http://www.IN2GRATEiT.com
INTEGRATE IT founded by Ramsay Millar is dedicated to building better business solutions. Our proven track record, of applying practical methods, techniques, and tools reduce IT transformation risk and improve business value.

Since 2001, our company has worked with 110 of the Fortune 500 companies, completed over 1,100 business modeling and IT alignment assignments, and we trained over 5,000 business architects, business analysts, enterprise architects, and software engineers. Our organization follows a proven approach that is efficient for all stakeholders across many business sectors and Architecture Landscapes. We maintain our good reputation of empowering clients with expert consulting, professional services, and training services across these key capability areas:

• Knowledge Transfer and Professional Skills Development
• Knowledge Management and architecture repository setup
• Professional Services
INTEGRATE IT – Capability Statement

https://www.IN2GRATEiT.com

We endorse Sparx Systems’ Enterprise Architect to our clients looking for Model Driven Architecture to greatly improve productivity. We assist our clients by providing:

**Professional Services**
- Business Architecture
- Business Analysis
- Business Process Improvement
- Enterprise Architecture POC
- Governance, Risk, Compliance
- IT Service Management
- Rapid Assessments
- Security Architecture
- Dev Ops using UML OOAD
- TOGAF Implementation Projects

**Training and Mentorship**
- Business Architecture Fundamentals
- Business Process Modeling
- EA for Business Analysts
- EA for Team Players
- EA for TOGAF®
- EA for Dev Ops
- OMG UML Basic and Advanced
- Prolaborate® Model Collaboration
- TOGAF® Exam Mentorship

**Knowledge Management**
- EA Repository Deployments
- EA Advanced Reporting and BI
- EA Programming and scripting
- EA Tools Integrations
- Metamodel Frameworks
- Modeling Tools Harvesting
- Model Guardianship
- Repository Cleanups

**Our Strategic Partners**
- Ability Engineering - eaDocX
- Ability Engineering – Model Expert
- Cloud Computing Technologies
- Prolaborate® Tools Collaboration
- TASKTOP Tools Integration
- Sparx Systems Australia
- Sparx Systems Europe
- Sparx Systems India
- Sparx Systems North America
Ramsay Millar, INTEGRATE iT
Connect with me on LinkedIn
Ramsay.Millar@IN2GRATEiT.com

Ramsay Millar
Ramsay Millar is an experienced global expert in the fields of Business and
technology alignment and transformations, Agile Project management, Business
Analysis, Business Architecture, Enterprise Architecture, Modeling Frameworks
and Case tools, Software Engineering and Senior Management Consulting.

Ramsay is active in studying and sharing open standards and is on numerous
architecture committees like Business Architecture >Guide (BIZBOK) using OMG
UML, IIBA BABOK, PMI EA. His workshops are practical and pragmatic by design
– results-oriented and focused on applying current standards and best practices to
real world challenges.

Miller’s impressive list of satisfied reference clients can confirm he is a proven
leader and an effective mentor/trainer – capable of transferring critical skills to
dramatically improve your next project.

- Leader in aligning business and technology since 1991
- Experienced professional with strong people, business, technical and
teaching skills
- Master Enterprise Architect, TOGAF 9.1 Certified trainer
- Master Business Architect (OMG UML for Business, BIZBOK)
- Master Business Analyst, BABCP (OMI, IEEE, BABOK, PMI/BA)
- Deployed TOGAF 9 with hands-on tools since 2009
- Modeling frameworks & tools expert since 1999
- Agile Project manager since 1991
- Software Engineering using Agile Unified Process since 2001
- Course author and professional educator since 1997
- Management consultant in very difficult situations always delivers
- Expert in project readiness for complex teams and projects

LinkedIn
The INTEGRATED Toolkit saved our clients time and resources?
“The voice of our clients say it all”

Acceleration:
Using best practice techniques and a full life cycle CASE tool to speed up major enterprise business architecture projects without sacrificing quality.

“The INTEGRATED Toolkit saved our clients time and resources?
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