#### **Digital Enterprise Collaboration and Sharing**

**Business Analyst** 



**Business Architect** 





Agile Dev Ops



Process Owner





Project Manager





Solution Architect

#### Ramsay Millar, Consultant







Ramsay is an experienced global expert delivering business and technology alignment with demonstrated success by harmonizing complex domains. Ramsay has lived a highly pragmatic career from working with visionaries and leaders in the clouds to day to day hard working professionals deep in the trenches to ensure successful business outcomes for his clients.

Since 1979 Ramsay has diligently contributed his efforts in the roles of help desk, business analyst, business architect, process improvement analyst, technology operations manager, Director of IT, project manager, CIO, software engineer, business owner, professional educator, and course author. Ramsay shares his unique insights on how to deliver harmonic outcomes in our industry. Ramsay Millar is a certified Information Systems Professional, Business Analyst, Certified Professional, The Open Group Architecture Framework architect, and Disciplined Agile project manager and object-oriented software engineer.

Ramsay is a mentor, business leader, business architect, enterprise architect, business analyst, project manager and Dev Ops development manager with excellent team building and leadership skills. Ramsay Millar founded INTEGRATE iT in 2001. INTEGRATE iT is a niche company with a small team of selected expert consultants. INTEGRATE iT has an excellent reputation of trust and of delivering effective results..

Free Resources at https://www.in2grateit.com/ for

- Business Analysts
- Business Architects
- Enterprise Architects
- Project Managers
- Solutions Architects
- Agile Dev Ops

Ramsay Millar presents "Insights from the Road"

https://www.in2grateit.com/content/PDF/2019\_Vancouver\_PM\_BA\_World\_Ramsay\_Millar.pdf



#### Trusted Consulting, Training, and Tools since 2001



#### **Professional Services**

- Assessments
- Business Architecture
- Business Analysis
- Business Process Improvement
- Enterprise Architecture Cloud POC
- Governance, Risk, and Compliance
- IT Service Management
- Rapid Assessments
- Security Architecture
- OOAD Software Engineering
- TOGAF Implementation Projects

#### **Knowledge Management**

- Custom MDA Framework Development
- Model Driven Architecture (MDA)
- Model Harvesting Aris, Mega, Visio
- Enterprise Architect Advanced Reporting
- Enterprise Architect Scripting
- Enterprise Architect Repository setup
- Enterprise Architect Tools Integrations

#### **Professional Skills Development**

- Business Architects
- Business Analysts
- Enterprise Architects
- Project Managers
- Solutions Architects
- Software Engineering















#### **Pro**laborate

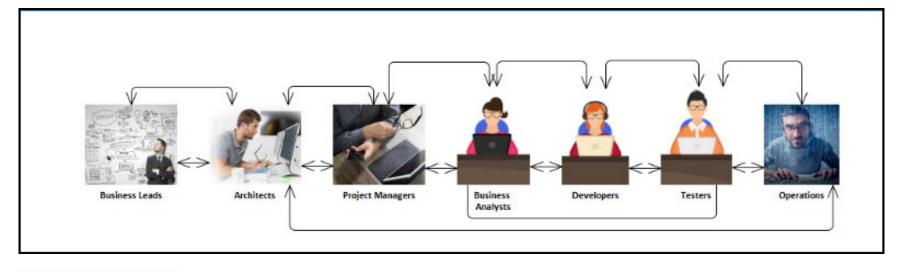


SYSTEMS Global Partner Program

#### **Digital Enterprise Collaboration and Sharing**

All example's in this PowerPoint Presentation to PM BA World in Vancouver, Canada where created by Ramsay Millar using Prolaborate and Enterprise Architect running on Cloud.

To learn more contact us https://www.in2grateit.com/contact-us/



#### **Pro**laborate



## What is Prolaborate and Enterprise Architect?



Prolaborate compliments Enterprise Architect by providing a real-time view of project content, anywhere, anytime from any web browser, notebook or mobile device.

#### **Prolaborate Integrations**

- Azure Dev Ops
- Confluence
- Enterprise Architect 14 and above
- Jira
- Service Now
- SharePoint

#### Hosted on

- Amazon AWS
- Google
- On Premise Cloud
- Microsoft Azurg

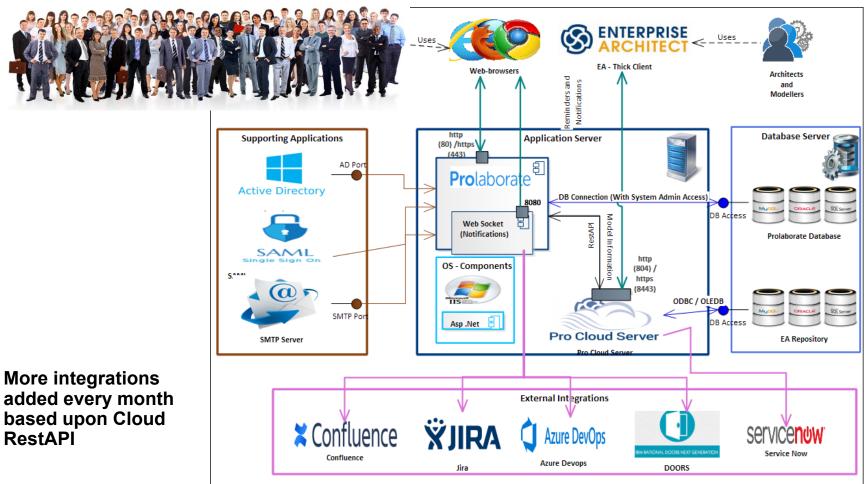
#### **Pro**laborate





#### What is Prolaborate and Enterprise Architect? Deployment Model

## SINTEGRATE iT



#### What is Prolaborate and Enterprise Architect?



# Prolaborate provides additional functionality to the Enterprise Architect modeling community?



- **COLLARBORATE** The secret of successful business change is to collaborate with affected stakeholders beyond the modeling community to take part in the change. It's a fact that for every (1) Enterprise Architect modeler organizations have about 10-20 non-technical reviewers and approvers.
- **INTEGRATE** Use Prolaborate to integrate Enterprise Architect with Cloud tools like Azure DevOps, Confluence, JIRA, ServiceNow, and SharePoint for no additional costs.
- **REVIEW** Anyone with a web browser may review, change, and updates at any time.
- **EDIT** Allow selected Collaborators to edit information to improve the quality of model information and produce a single source of truth and avoid having to update multiple tools with overlapping and redundant information.
- **PERSONALIZE** Provision Dashboards to strategic, tactical and operational personnel to only present the specific view required by a group or individual stakeholder.
- **PUBLISH** View Enterprise Architect models online from anywhere. Provision selected views to all communities beyond Enterprise Architect and avoid training costs.

## Insights from the Road Business Architect, Project Manager, Business Analyst



We need to build better Business Solutions?

- Recent Case Study Line of Visibility
- Business Architect
- Project Manager
- Business Analyst
- Critical Success Factors

#### We need to build better Business Solutions

💩 INTEGRATE i T practice leaders in productivity

#### New York - Banking Industry – fined \$6 million ٠

Missed one Process Key Performance Indicator (KPI)

Vietnam War – Very high loss of F14 pilots and treasure

First time military ran fighter planes using software

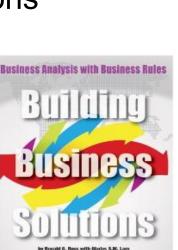
#### Miami - Cruise Ship – no integrated tools ٠

14 tools to deliver a \$1.2 billon software project using poorly executed agile resulted in an underwhelming product delivery

Cohen-Clinger Act - CMMI governance for entire military industry

- Seattle Telecom Industry fined \$47 million
  - Their Agile practice decided they didn't need financial requirements
- London, UK \$48 billion wasted on failed agile IT projects ٠
  - Agile project post-mortems revealed no product or financial benefit over waterfall projects





#### Have you heard of any Transformation Project failures recently?





#### We need to build Better Business Solutions





"68% of European CIOs agree that agile teams require more architects. From **defining strategy**, to **championing requirements** to **ensuring development teams stick to the rules of the game**, the role of the architect is sorely missed in the agile space" – 2017 CIO Insight Summit. Frankfurt, Germany

https://www.6point6.co.uk/an-agile-agenda

## Insights from the Road Business Architect, Project Manager, Business Analyst



- We need to build better Business Solutions?
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## **Regal Princess Gets New Technology**

Princess Cruises' **Regal Princess**, from parent company Carnival Corp., has been outfitted with new **Ocean Medallion and Ocean Compass technology** that will let the ship and the crew know who passengers are, what their interests are and where on the ship the travelers are located. The new tech debuts in mid-November.

75 miles of cable
7,000 sensors
650 readers
4,030 interactive portals

## Medallion Pendant

Medallion wristband



REGAL

MARIE ROSE

PRINCESS

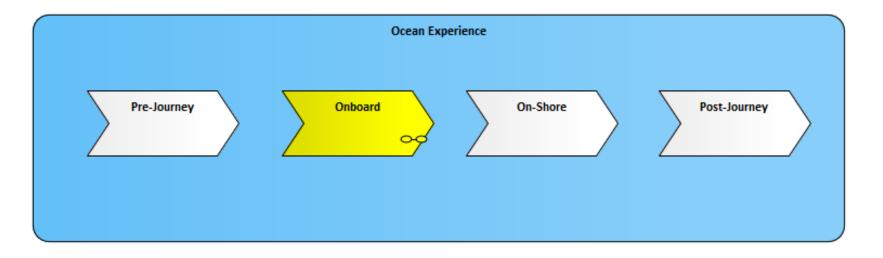
#### Cruise Ship Value Chain (BizBOK)





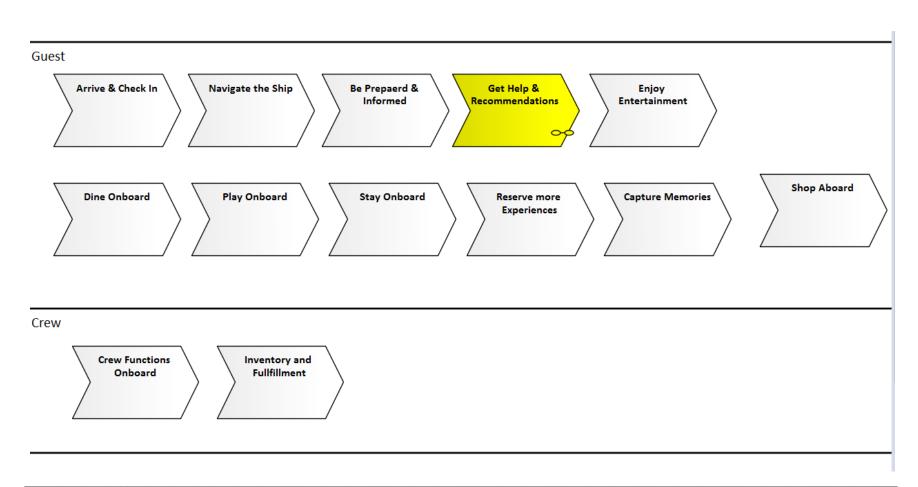
Welcome Aboard!

**Business Process Documentation Website** 

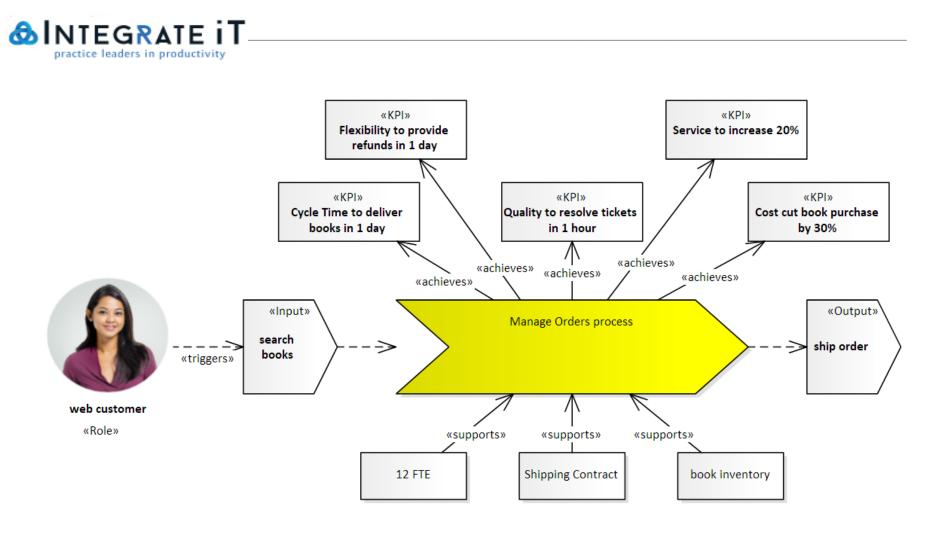


#### **Process Catalog**

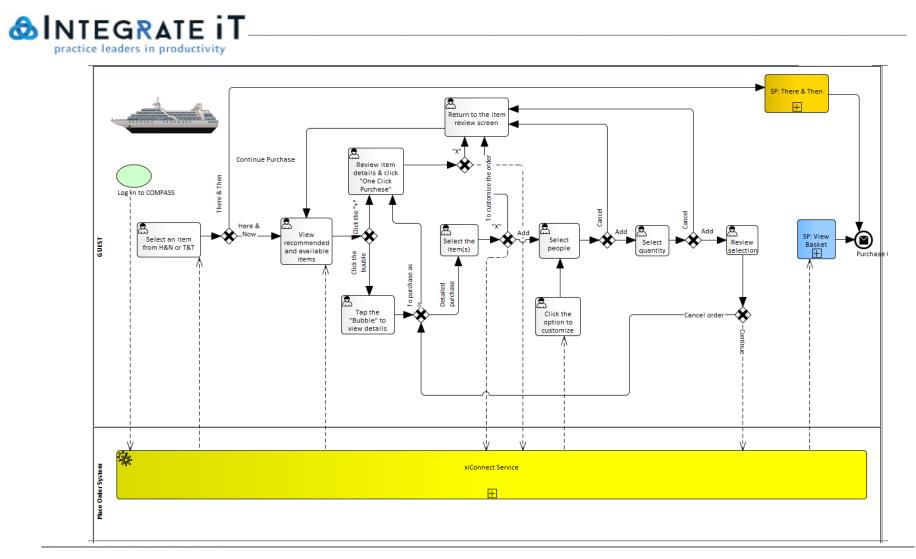




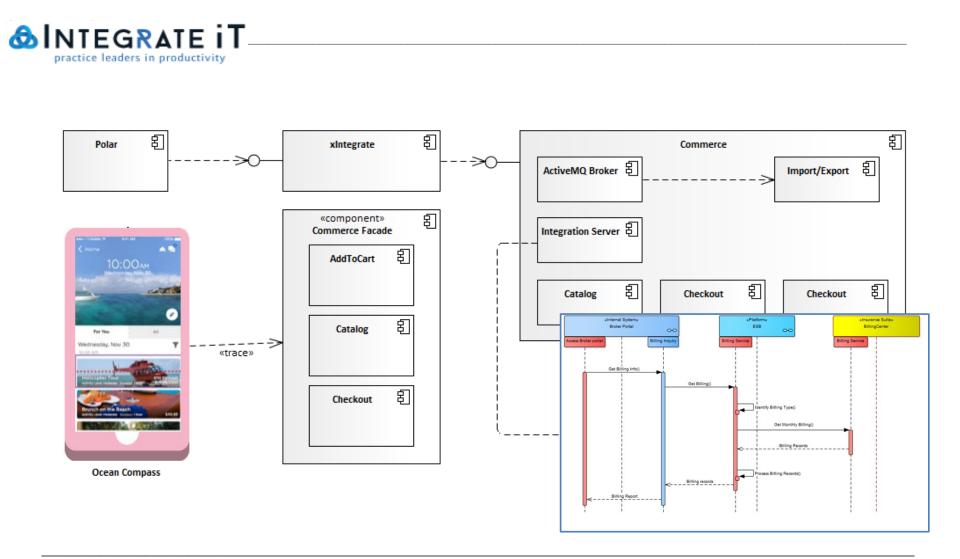
#### Process Scope (BABoK, SIPOC)



#### **Business Process Model (BPMN)**



# Solution Building Blocks (TOGAF, IASA) to Design COTs or DevOps Solutions

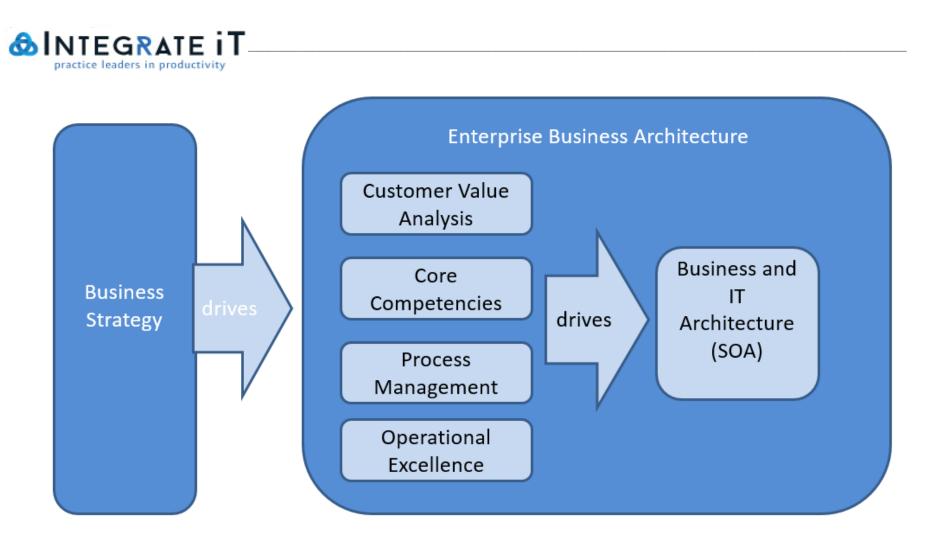


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#### **Enterprise Business Architecture**



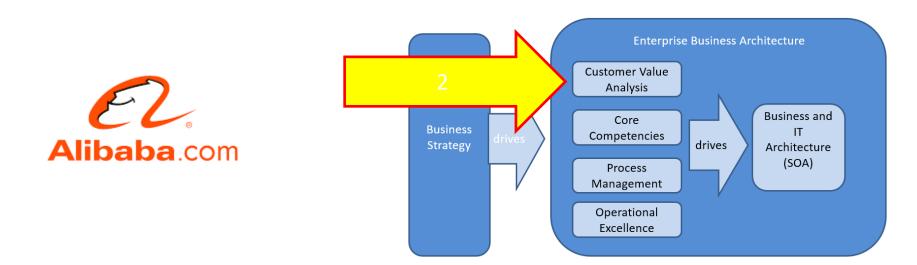
## Jack Ma Customer Value Analysis





The day that Jack , Ali Baba was listed on the US Stock Exchange, he was asked by Charlie Rose in an interview what are your most important priorities an in what order" he answered'

"My top three priorities are my workers first, my customers second and my share holders third, and that is all I focus on."



## Jeff Bezos Core Competencies

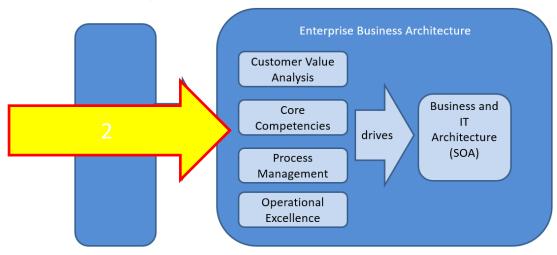




"Sometime in the early 2000s, as Amazon was starting to establish a service-oriented architecture, CEO Jeff Bezos distributed a memo. In it, he mandated that all teams use open application programming interfaces and web services to share data and functionality. He made it clear that those not following the rules (REST API) would be fired."

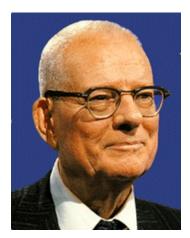
Source: How enterprise architects can help ensure success with digital Transformations – McKinsey & Company





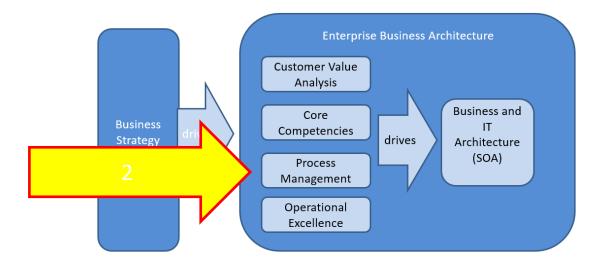
#### W. Edward Deming Process Management





#### "If you cannot describe what you do as a process, you do not know what you are doing"

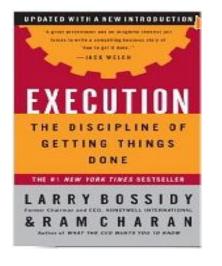
W. Edwards Deming, American economist and inspiration of the quality movement in Japan



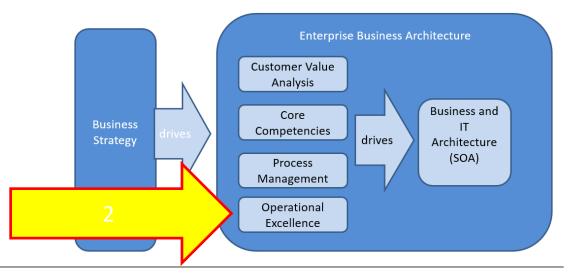
## Jack Welch Operational Excellence



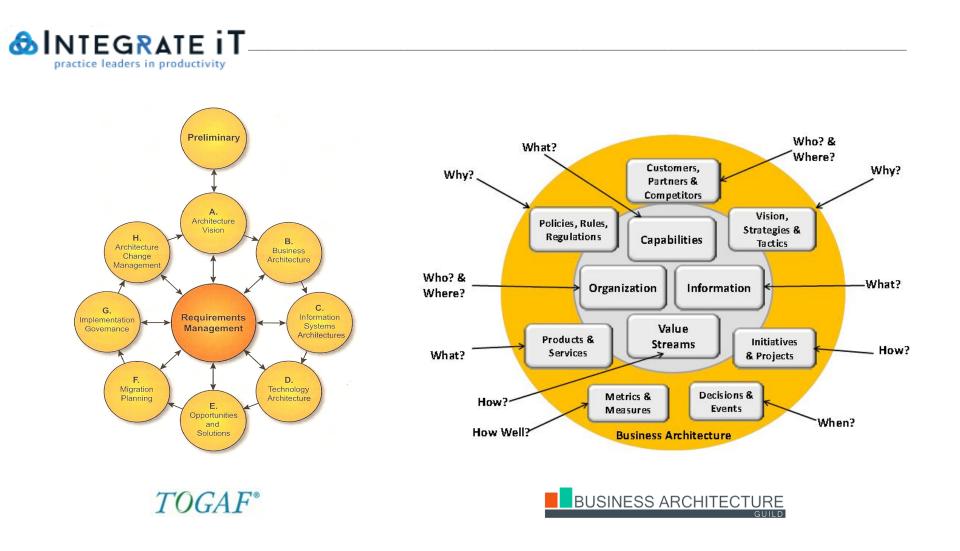




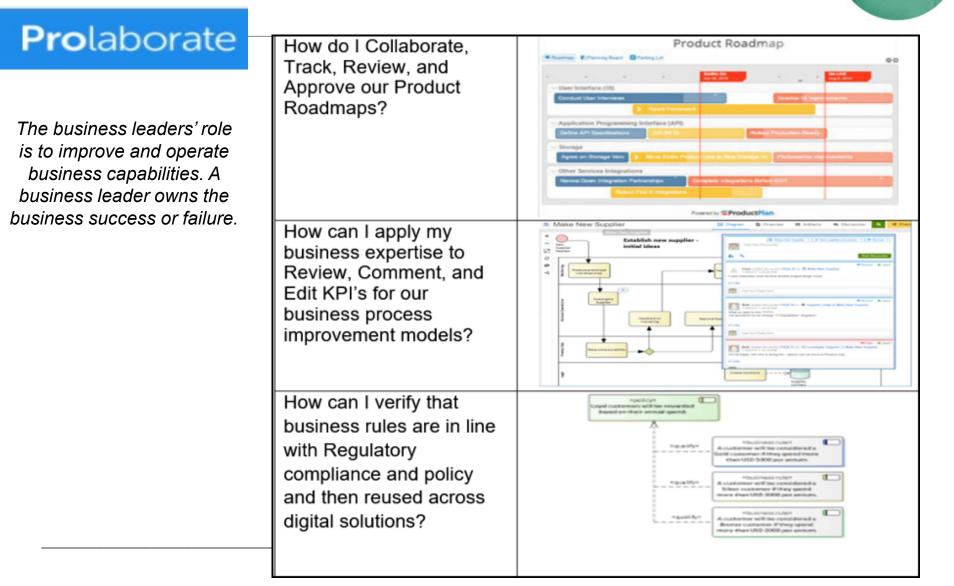
- Welch transformed GE from a manufacturing to a <u>service centered</u> <u>business by embracing change and by creating a boundary-less</u> <u>organization with a focus on global communication</u>
- Jack Welch, CEO, left GE the world's most valuable company due to his revolutionary management principles
- He was Chairman and CEO of General Electric between 1981 and 2001. During his tenure at GE, the company's value rose 4000% by mentoring the manufacturing quality movement



#### Bodies of Knowledge for Business Architects



## The Business Lead

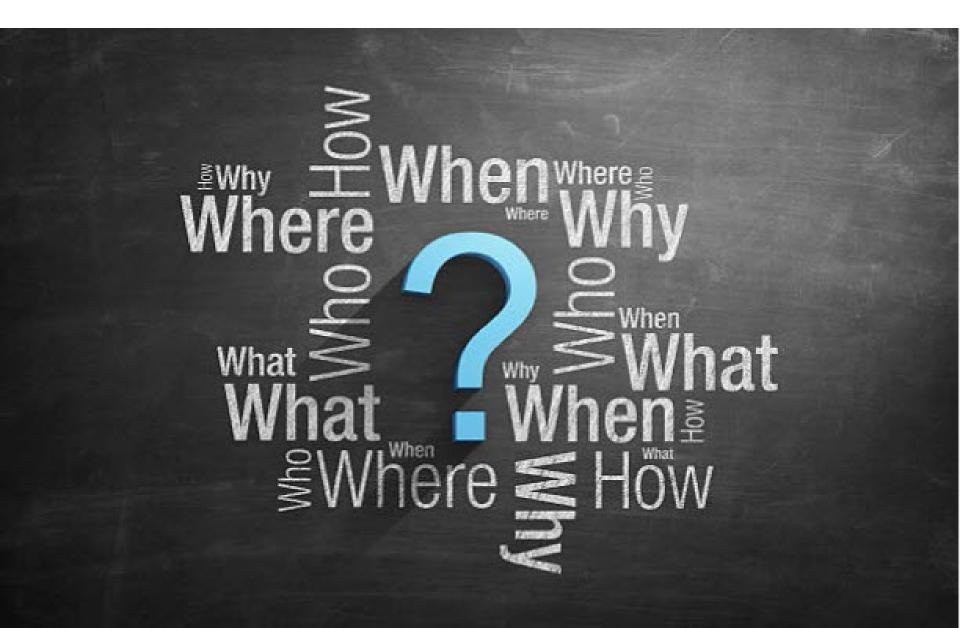


## The Business Architect



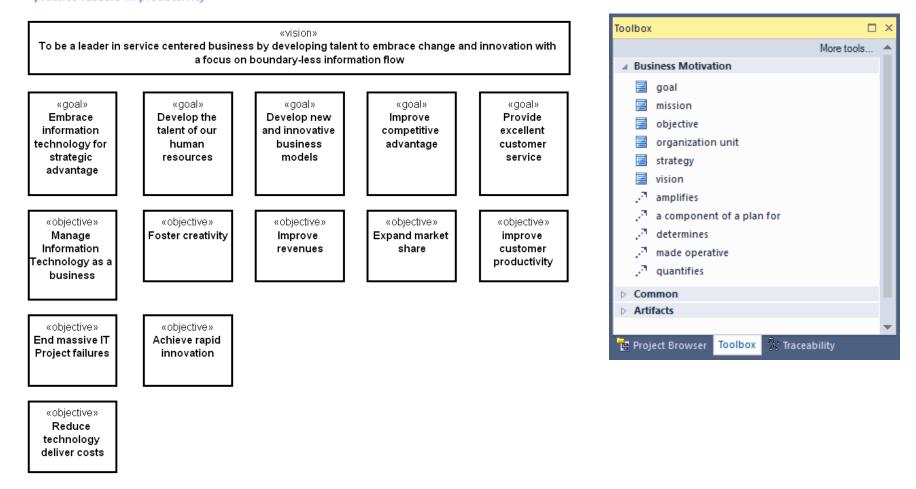
#### **Pro**laborate How can I share Capability Heat maps with stakeholders across the business The Business Architects' landscape? role is to develop, frame, and align innovative business models that How can I Collbaborate with ensure business agility Process owners to ensure and risk reduction across business architecture process the digital enterprise transformations are kept in scope? systems servic process order How may I share stakeholder needs and concerns with all We have a need to reduce costs and increase flex architects across the Enterprise Architecture Value ers have a need to find their order status only Chain? eb customers have a need to search for books by author onlin

#### Business models are complex



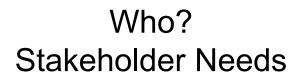
## Why? Model the Business Motivation



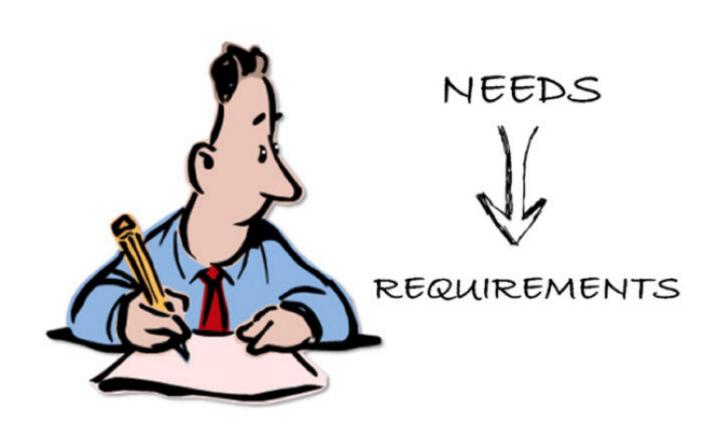


#### What does success look like? Transformation Alignment



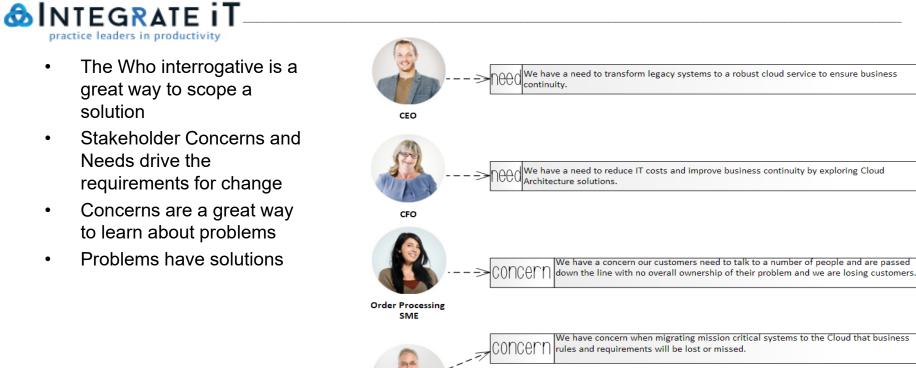






#### Who?

#### Identify stakeholders, concerns and needs



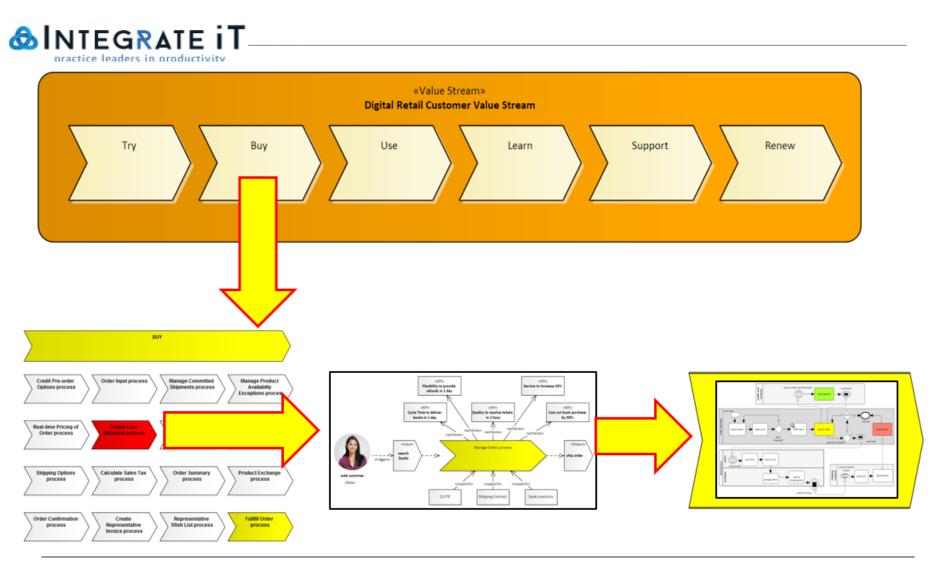
CIO

We have concern when migrating mission critical systems to the Cloud that business rules and requirements will be lost or missed.

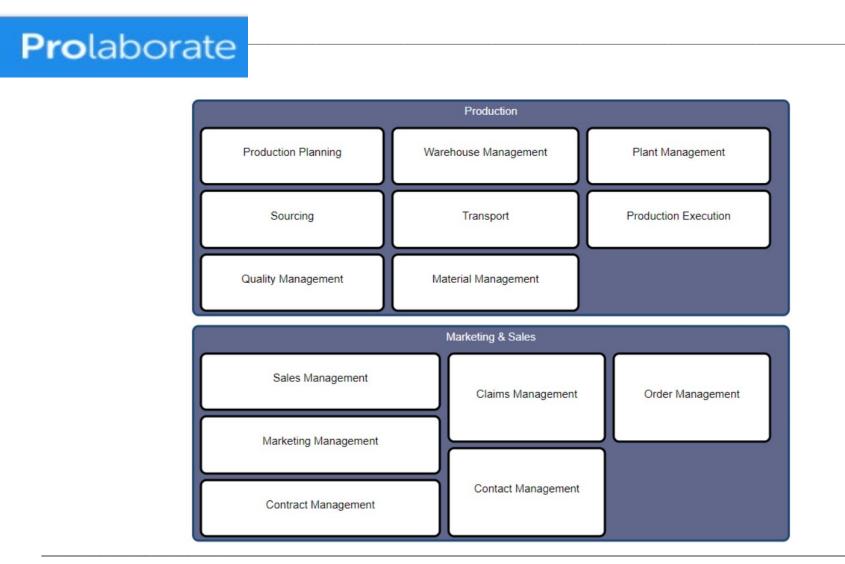
We have a concern we have no single source of truth since we use 20 fragmented concern customer databases.

٠

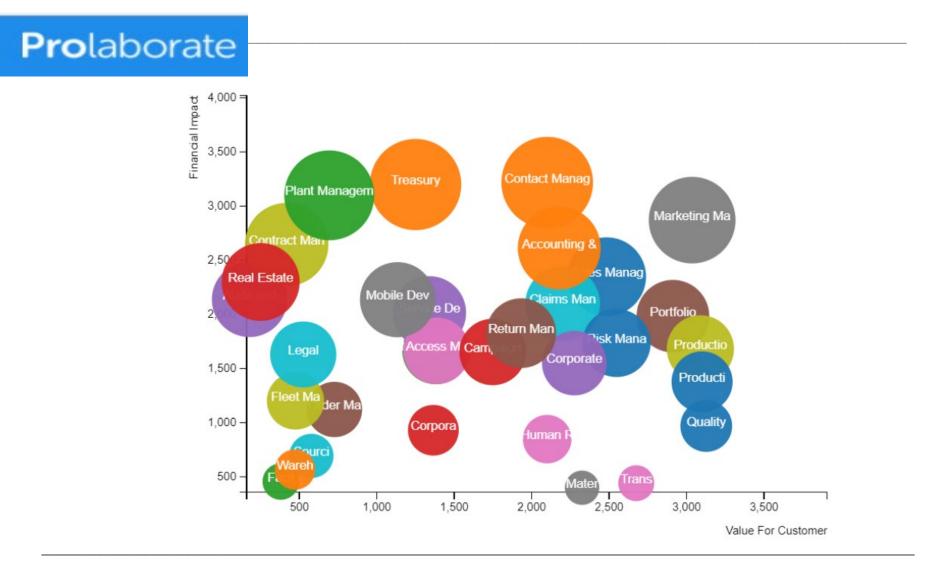
#### How? Process Architecture



#### Capability by Value Chain (BIZBoK)



#### Share L2 Capability Cost Benefit (BIZBoK)



## Share Transformation Roadmaps (BIZBoK, TOGAF)



### Insights from the Road Business Architect, Project Manager, Business Analyst

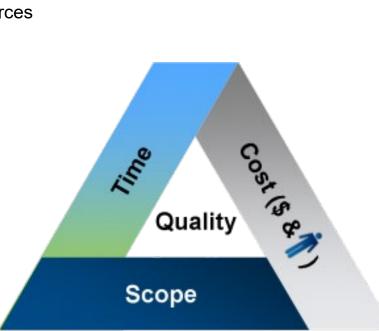


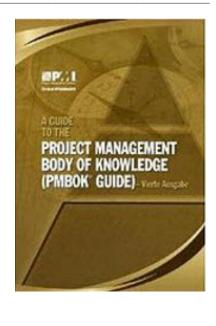
- We need to build better Business Solutions?
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- Critical Success Factors

### The Project Manager

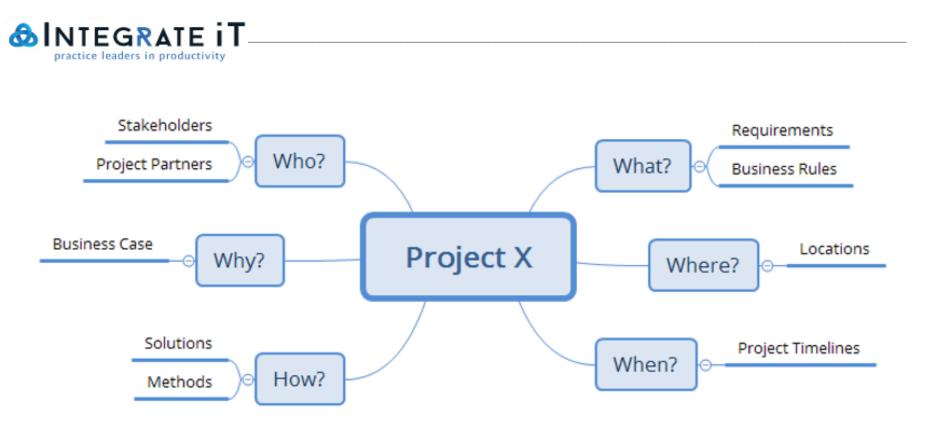


- Project management is a TEAM SPORT
- All Teams need a LEADER
- It's all about your resources
- Time
- Cost
- Scope
- Quality is Free





### The Five Questions?



Modern Analyst - Mind Maps For Business Analysis by by Jenny Quillian

Digital Enterprise Collaboration and Sharing

### Architecture Vision & Migration Planning





### **Architecture Vision**

- Establish the Architecture project
- Scope the organizations impacted
- Develop the Business Scenario
- Define the target architecture business case
- Identify the Transformation risks and mitigation
- Establish the Transformation communication plan



#### **Migration Planning**

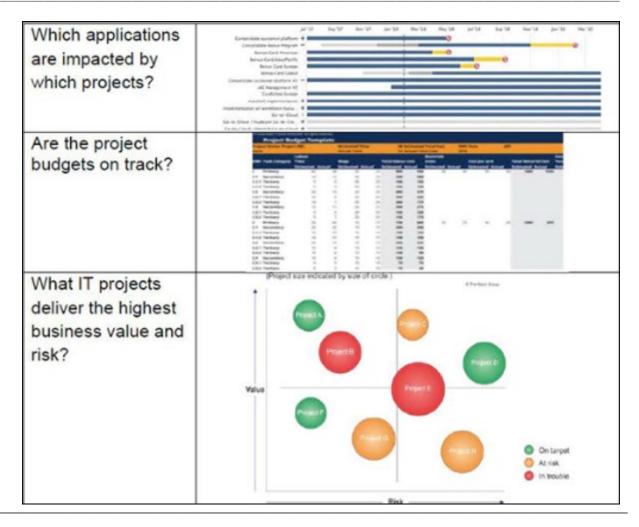
- To prioritize all work packages, projects, and building blocks
- To create, evolve, and monitor the detailed Implementation and Migration Plan
- Determine Personnel and Infrastructure (Capital) Costs
- Determine Operations and Maintenance Costs

# The Project Manager



### **Pro**laborate

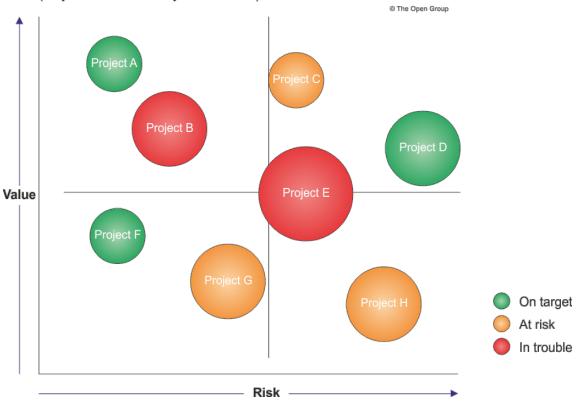
Project Managers role is to ensure successful delivery of many business transformation Projects and to reduce risk and remain on time and budget



### **Deliver Value and Reduce Risk**

### **Pro**laborate

- Business value
   assessment technique
- Assess business value is to create a matrix based on a value index dimension and a risk index dimension
- The index and its criteria and weighting should be developed and approved by project management
- Project size is indicated by size of circle



(Project size indicated by size of circle.)

### Business Outcomes, Portfolio, Projects and Applications Impact

#### Revenue Growth IT Applications Modernization **Digital Touchpoints One-Touch Digital Payments** Legacy Customer Service M-Advertize OGL PMO Plus Chlora CRM LogiMan Buylt Inventory Management RentalAX Law Actual Inventory Management LDAP TMS RentalAX STAC SAML Fix IT Cognos TalNexus Next Gen Customer Hub Virtual Energy Sharing Platform Finance DDW PayMe Remedy Insight Chlora CRM LogiMan Temp Tracker Costing Self Service Portal Service Desk Open Sourcing CRM Attendance HP PPM **IT Transformation** Ariba Migration BI driven Marketing PTM BOM tracker Alert DB Attendance Informatica Manufacturing TalNexus Management Legacy Customer Negotiator Remedy PMO Plus IT Track TMS Next Gen Customer Hub Product Catalog MIDAS - App AttorneyNet Finance DDW HP PPM Remedy

Slide 44

Business Outcome Portfolios

Applications Impacted

Projects

Digital Enterprise Collaboration and Sharing

PayMe

Service Desk

Costing

Genesys

**Pro**laborate

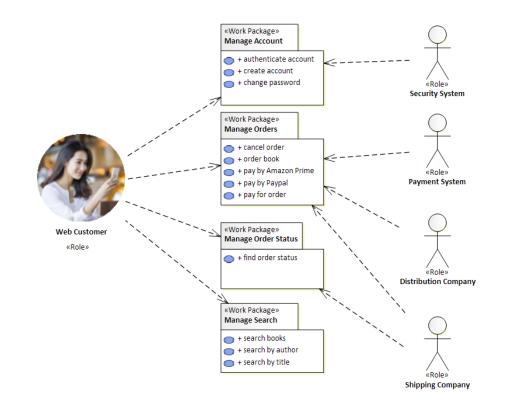
### Sprint Planning Package Stories using Work Breakdown Structure



Sprint Planning enables Resource Allocation, Work Planning and Tracking progress of delivery

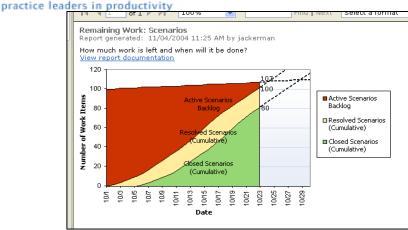
- A Role is a Noun
- A Role may be a Person or a System
- A Story is a verb
- A Story belongs in a Work Package
- A Work Package represents a Sprint or Iteration

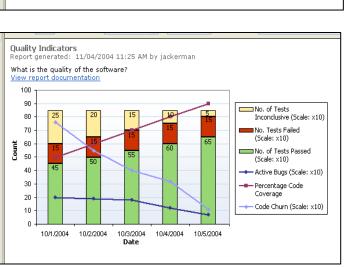
(ie) As a web customer I want to order books

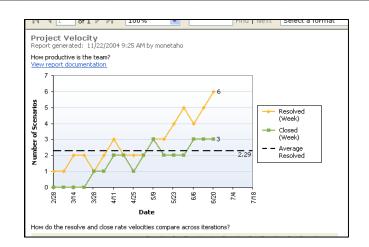


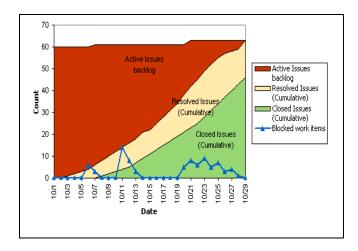
### Effective Project Management Tracking Stories through Dev Ops

### **SINTEGRATE iT**







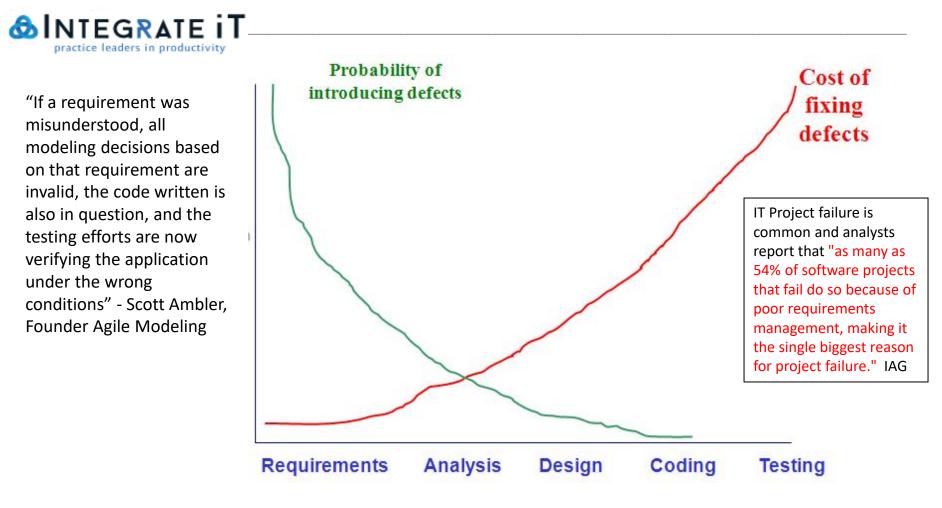


### Insights from the Road Business Architect, Project Manager, Business Analyst



- We need to build better Business Solutions?
- Recent Case Study Line of Visibility
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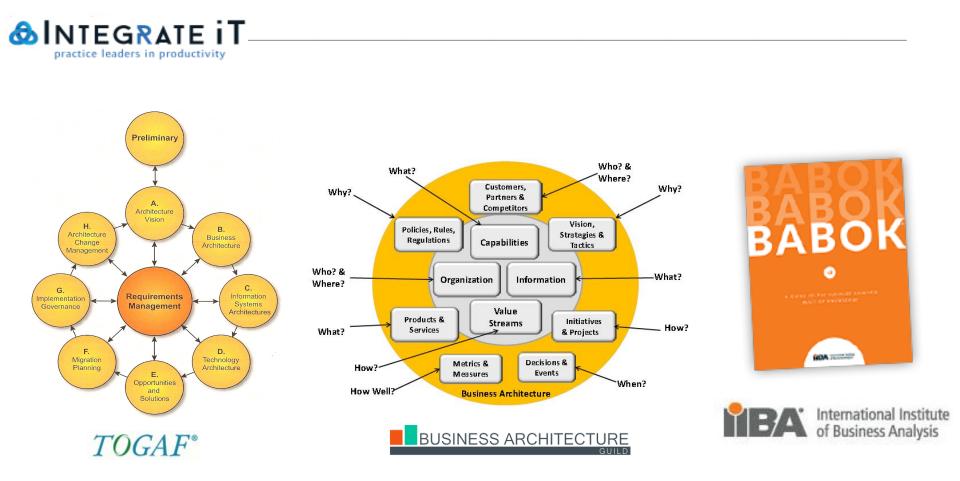
What's wrong with the status quo?



\$30 billion / per year is lost annually by US business due to Software defects National Institute of Standards and Technology

Digital Enterprise Collaboration and Sharing

### Bodies of Knowledge for Business Analysts



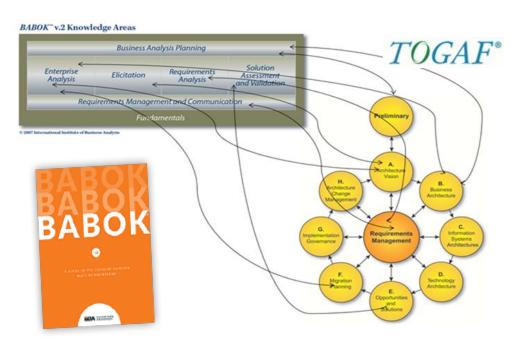
### **Requirements Management**



- Architecture bridges the divide between the aspirations of the stakeholders and Solutions Architecture
- The ability to deal with changes in the requirements is crucial to the ADM process since architecture deals with uncertainty and change

#### **Requirements Management**

- Re-use requirements
- Identify and Trace requirements
- Identify changed requirement
- Assess impact of changed requirements
- Update the requirements repository

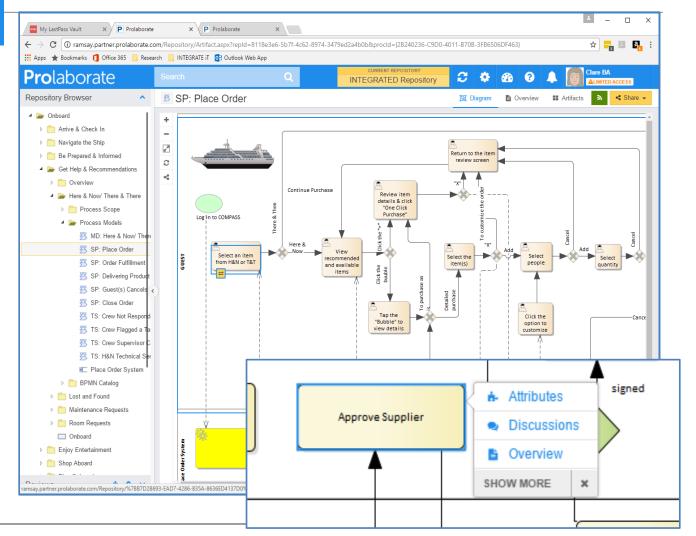


### The Process Owner



### **Pro**laborate

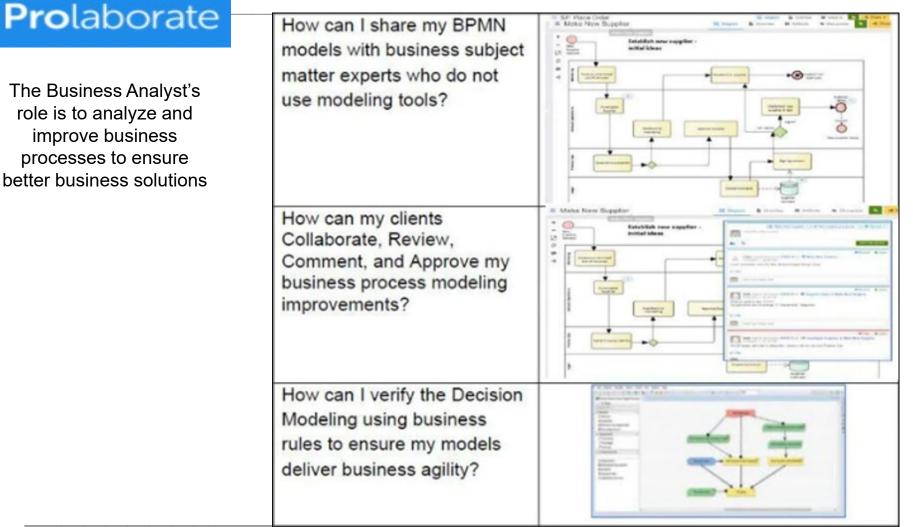
"Dave adds comments to Clare has concerns and needs clarification about a process activity that is ambiguous"



Digital Enterprise Collaboration and Sharing

## The Business Analyst





### **Business Process Requirements**

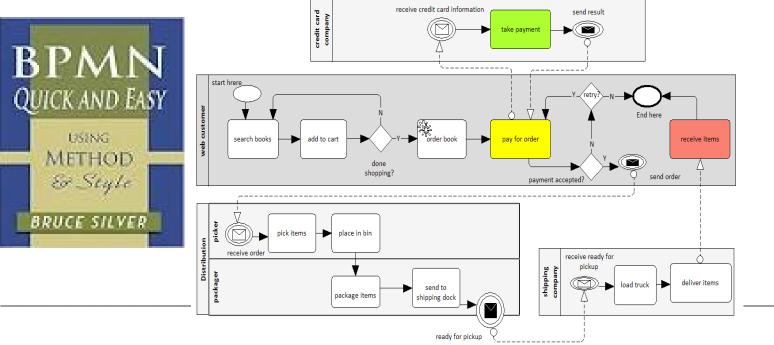




A new customer must not place an order that exceeds \$1000 USD International Standard Book Number(ISBN) for Book data Classification example 978-3-16-148410-0 DR

A web customer must have the ability to purchase a book listed in the book catalog.

Application risk score 72 Application risk score Age = 18 Applicant data Employment Status = "UNEMPLOYED" Marital Status = "S"



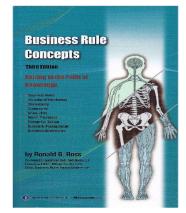
### **Business Rules**

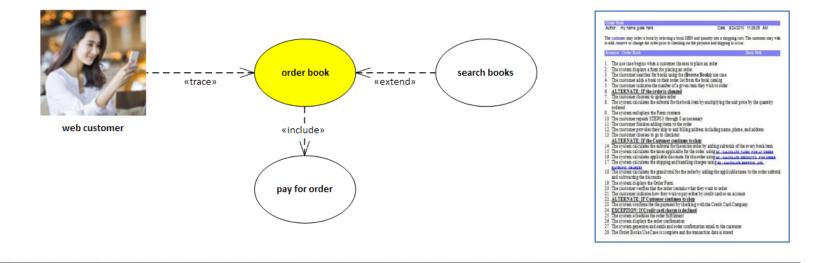




A web customer must have the ability to purchase a book listed in the book catalog.

International Standard Book Number(ISBN) for Book data Classification example 978-3-16-148410-0





### **Data Requirements**





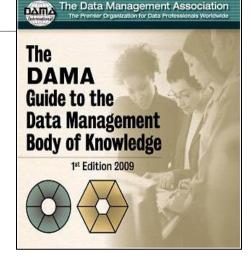
A new customer must not place an order that exceeds \$1000 USD

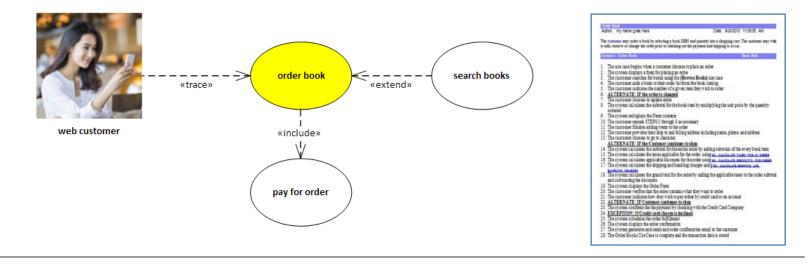
DR

International Standard Book Number(ISBN) for Book data Classification example 978-3-16-148410-0



A web customer must have the ability to purchase a book listed in the book catalog.





#### Digital Enterprise Collaboration and Sharing

### **Storyboard Requirements**



BR	A
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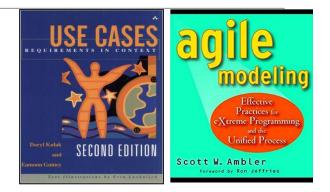
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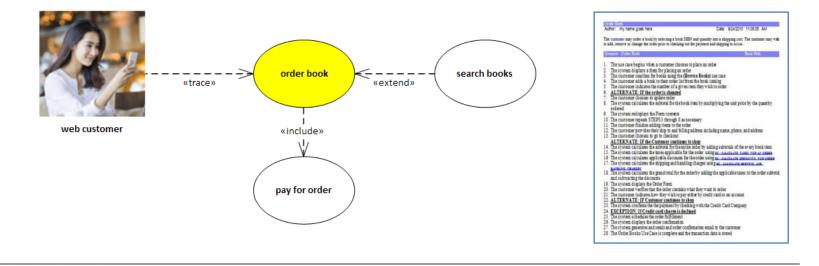


International Standard Book Number(ISBN) for Book data Classification example 978-3-16-148410-0

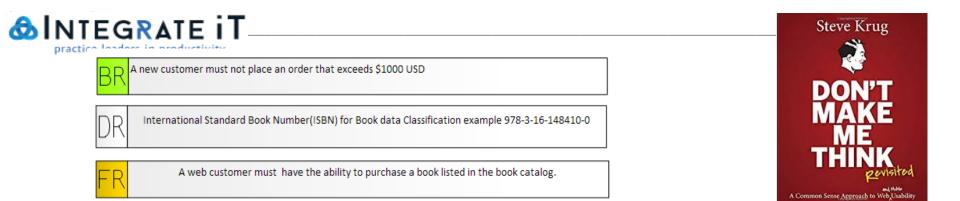


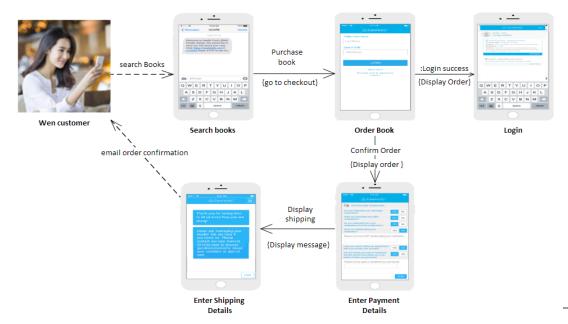
A web customer must have the ability to purchase a book listed in the book catalog.





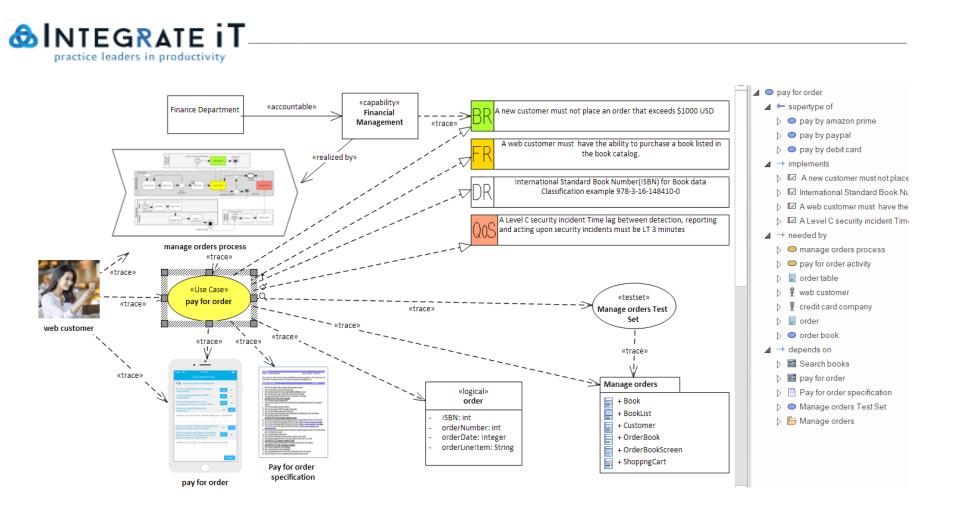
### **User Experience Requirements**





Digital Enterprise Collaboration and Sharing

### Impact of Change and Traceability



### International Institute of Business Analysts (IIBA) and Sparx Systems announce Strategic Alliance

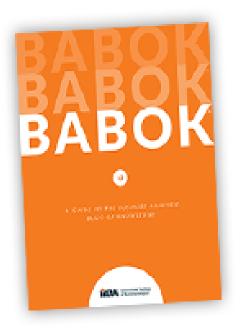


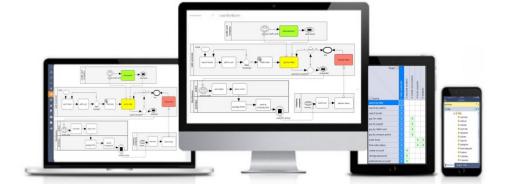


**TBA** International Institute of Business Analysis

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

Learn why the IIBA carefully selected Sparx Enterprise Architect as the 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."







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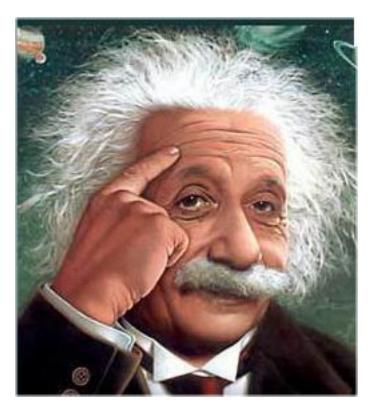


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### **Critical Success Factors**



- Ensure Business Alignment
- Don't lead with technology
- Lead with people skills
- Start small mentor and train a initial Core team
- Have the initial team mentor following teams
- Prove the transformation as you go using a Proof
   of Concept Iteration
- Ensure business and IT partnership
- Adopt integrated Cloud Tools based upon Cloud REST API Standards



### **Digital Enterprise Collaboration and Sharing**



### **Pro**laborate

### Ramsay.Millar@IN2GRATEiT.com



Line of Visibility across the Digital Enterprise