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<http://eepurl.com/foLDA>

stuart.macgregor@opengroup.org

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THE *Open* GROUP

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The screenshot shows the Open Group website homepage. At the top left is the logo "THE Open GROUP". To the right are navigation links: "Home | Logout | Sitemap". Below this is a search bar and social media icons for Facebook, Twitter, and LinkedIn, with a "Blog" link. A blue navigation bar contains the following menu items: "Subject Areas", "Get Involved", "Standards", "Certifications", "Events", "Consortia", "Software", "Publications", and "About Us". The main content area features a large banner for "ArchiMate® 2.0, an Open Group Standard" with an image of the specification book. To the right of the banner are three small boxes: "The Open Group, Barcelona 2012", "Full List of Upcoming Events", and "The Open Group Blog". Below the banner is a "NEWS" section with the headline "How Enterprise Architects Can Bring Best IT Practices to Defense Contracts". The page is divided into several columns: "GET CERTIFIED", "BECOME A MEMBER", "OPEN GROUP OFFICES", and "THE OPEN GROUP STANDARDS PROCESS". At the bottom, there are five columns of links: "In The News", "Spotlight on ...", "Most Popular Downloads", "Events", and "Member Focus". The footer contains logos for Platinum Members: Capgemini, HP, IBM, Kingdee, and ORACLE, along with the text "All Open Group Members".

Forums

- Architecture Forum
- ArchiMate® Forum
- Identity Management Forum
- Jericho Forum® Management Forum
- Platform
- Real-time & Embedded Systems Forum
- Security Forum
- Trusted Technology Forum (TTF)

Industry Forums

- Exploration, Mining, Metals & Minerals Forum

Work Groups

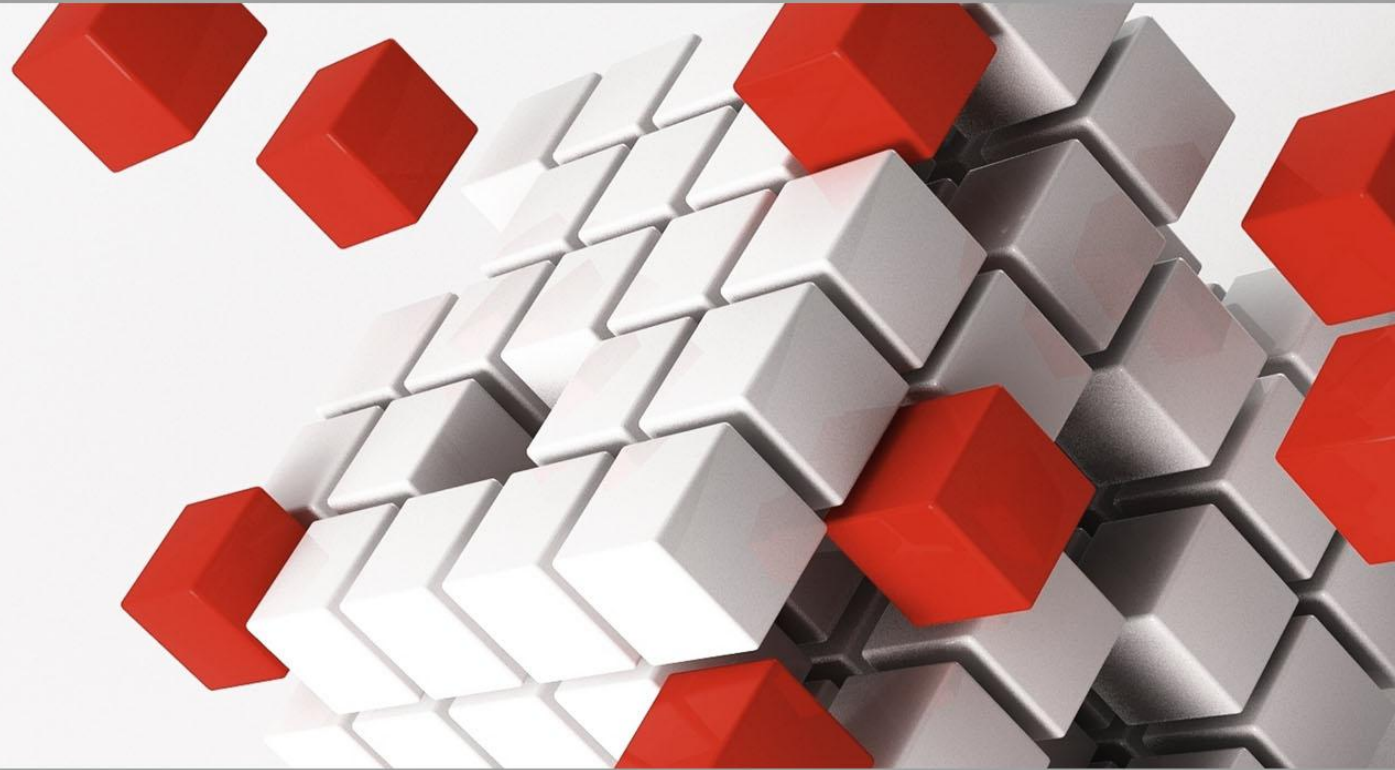
- Business Architecture
- Cloud Computing
- Quantum Lifecycle Management (QLM)
- Semantic Interoperability
- Service Oriented Architecture

TOGAF next work streams

- ❑ TOGAF next Part 1 - the continued effort to create a clear, cohesive, comprehensive & consistent EA Framework
- ❑ TOGAF next Part 2: Guide to Architecture for the purpose of Strategy, Project, & Program - the effort to craft a how-to guide aimed at the leader of an EA Team
- ❑ TOGAF next Part 2: Guide to Business Architecture - the effort to craft a how-to guide for the business architecture domain
- ❑ TOGAF next Part 2: Guide to Application Architecture - the effort to craft a how-to guide for the application architecture domain
- ❑ TOGAF next Part 2: Guide to Data/Information* Architecture - the effort to craft a how-to guide for the Data/Information architecture domain
- ❑ TOGAF next Part 2: Guide to Information Technology Architecture - the effort to craft a how-to guide for the information technology architecture domain
- ❑ TOGAF next Part 2: Guide to High Assurance Architecture - an effort just starting to craft a how-to guide for the high assurance - this guide is being led as a separate initiative by the RTES Forum.
- ❑ TOGAF next Security Project - this is an associated initiative by the Security Forum to ensure Security & Risk are properly integrated in Part 1 & the 4 Architecture Forum Part 2 guides

Application Portfolio Management

- ❑ At this month's EA Forum, Anthony Ducci will talk about using a pragmatic, business driven approach to Application Portfolio Management. The approach provides quick returns by identifying application overlap and redundancy. The presentation will also touch on industry reference models and application life-cycle management.
- ❑ Anthony is an EA consultant at Real IRM. He has over 8 years of experience in EA, with a specialist focus on modelling tool implementations for EA capabilities across a number of toolsets and industries.



Application Portfolio Management



About Real IRM

- Real IRM was established in early 2001 and has grown in capability and reputation to become a leading enterprise architecture specialist.
- Technology agnostic
- We offer a comprehensive portfolio of products and services worldwide, including enterprise architecture consulting, technical, outsourced and training services.



Real IRM – Architecture Toolset Experience

- Dedicated technical toolset team
- Consulting, training and technical experience with a wide variety of tools
- Tools used
 - Abacus (Avolution)
 - Archi (Freeware)
 - ARIS (Software AG)
 - Casewise
 - Enterprise Architect (Sparx)
 - EPF / EMF (Eclipse Foundation)
 - Essential (Open Source)
 - iServer (Orbus)
 - Mega
 - Power Designer (Sybase)
 - Protégé
 - System Architect (IBM)

Portfolio Management - Order or Chaos?



Introduction

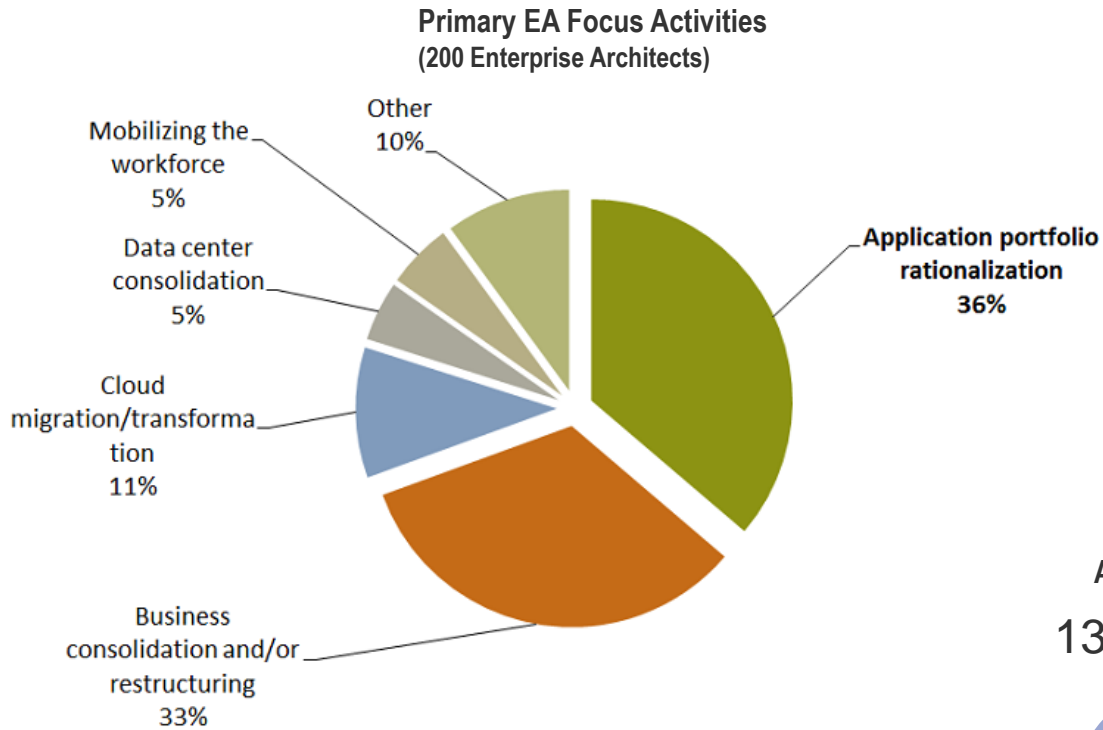
▪ Application Portfolio Management

- Provides an **inventory** of the company's software applications and defining **metrics** to illustrate the business benefits of each application.
- Ensure you have the right applications fulfilling the right capabilities

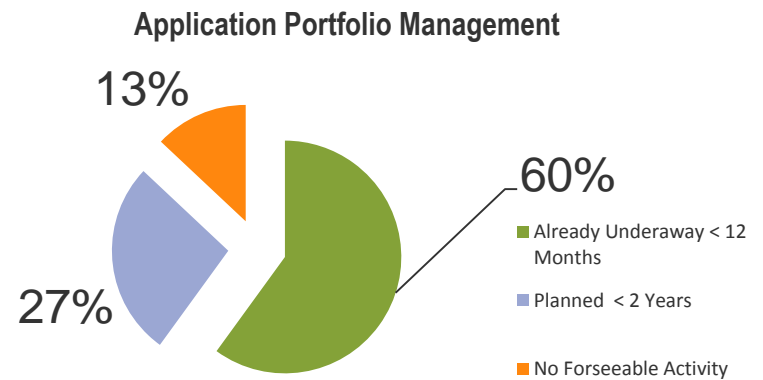
Topics Covered

- Understanding the Need - *why is APM Important to your organisation?*
- Capturing the Content - *what is so hard about maintaining a list of applications?*
- Establishing a Sustainable EA practice – *adding true value!*
- Resources along the way.
 - Reference models
 - Best Practices
 - Tools and Techniques
 - Key Learning's

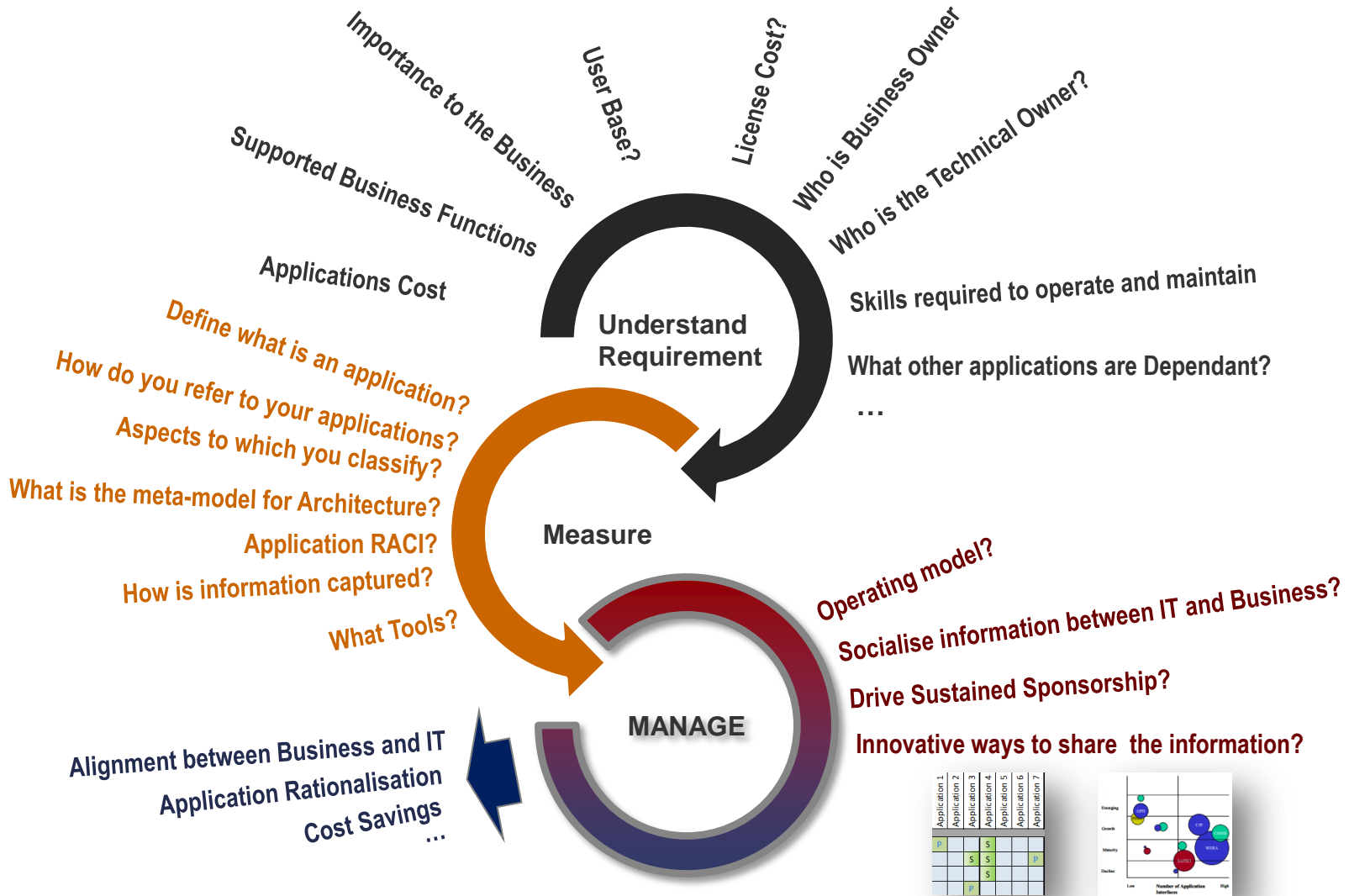
Key EA Focus Areas – survey



Source: 2011 Architecture and Governance Magazine Survey



Application Portfolio Management – Landscape



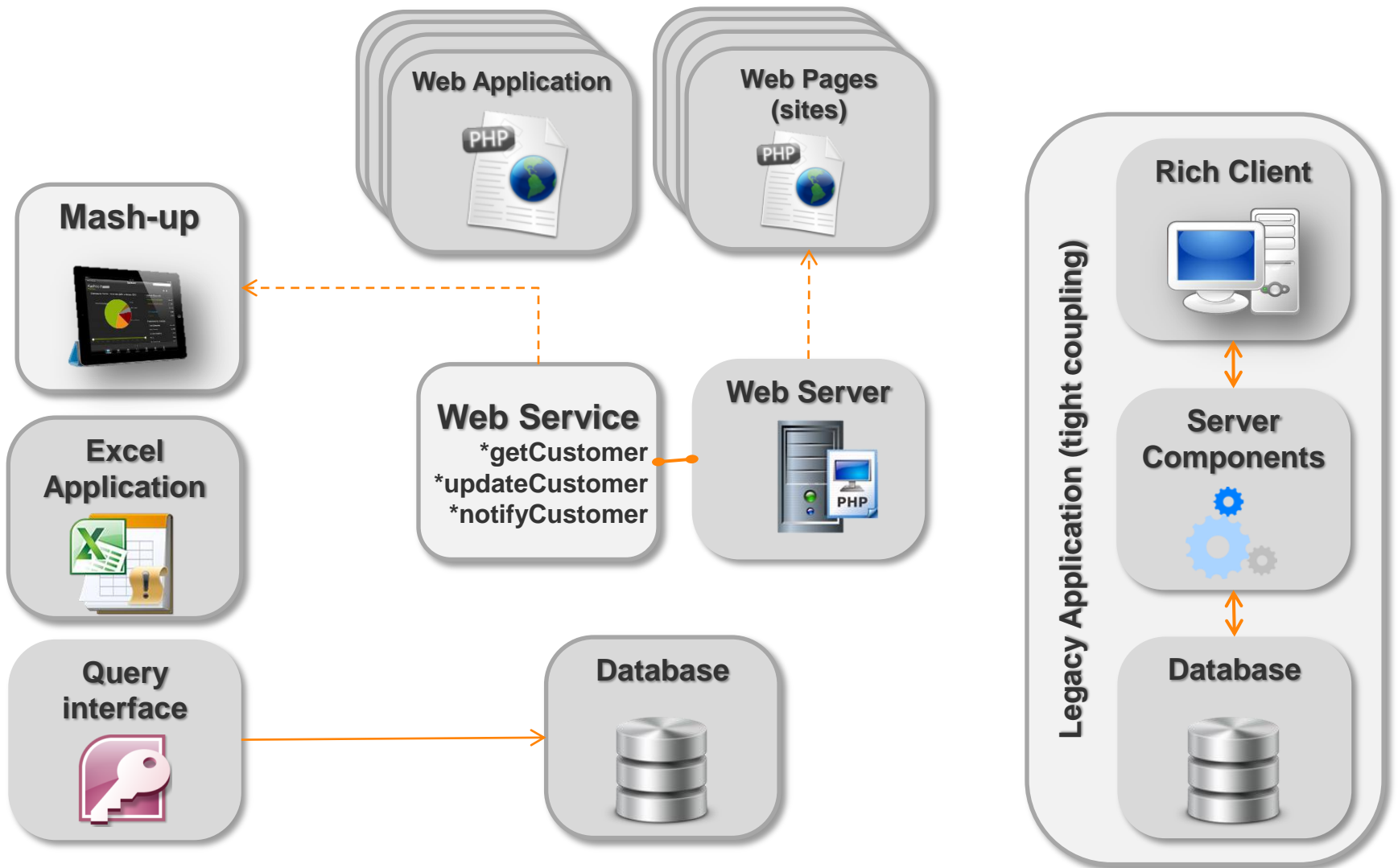
Understand the Requirement

- Based on the “Questions”

- Application identification and classification
- Evaluation of strategic positioning of applications, e.g. understand business benefits
- Application rationalisation and allocation of costs
- Performance reviews and management support of application owners
- Better targeting of user training
- Comprehensive lifecycle management for applications
- Better understanding of interface between applications
- Determine development priorities
- Identification of future application development needs
- SDLC?
- ...



Define a Business Application



Application Categorisation - metrics

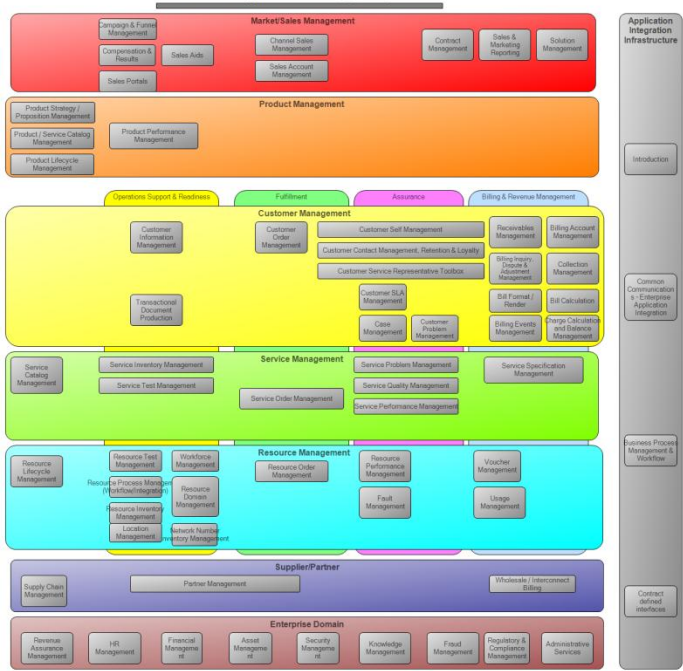
- **Type**
 - Business Application
 - Technical Application
- **Business Functionality**
 - Business to Customer(B2C) Applications (customer facing)
 - Business to Business (B2B) Applications
 - Internal Applications
 - Administrative Applications
- **Usage Profile (how and where the application is run)**
 - Front End Application (typically via GUI)
 - Background Application (background processing)
 - Service Based Application/Interface (integration point)
- **High Level Functions/Capabilities supported**
 - Enterprise Support
 - Billing System
 - HR System
- **Pace Layering (shearing Layers) –Gartner**
 - **Systems of Record** — Established packaged applications or legacy home-grown systems that **support core transaction processing and manage the organization's critical master data**. The rate of change is low, because the processes are well-established and common to most organizations, and often are subject to regulatory requirements.
 - **Systems of Differentiation** — Applications that enable **unique company processes or industry-specific capabilities**. They have a medium life cycle (one to three years), but need to be reconfigured frequently to accommodate changing business practices or customer requirements.
 - **Systems of Innovation** — New applications that are built on an ad hoc basis to address **new business requirements or opportunities**. These are typically short life cycle projects (zero to 12 months) using departmental or outside resources and consumer-grade technologies.



Application Capabilities – Industry Reference Models

Frameworkx TAM

Telecom Applications Map (TAM) R4.7



The Open Group EMMM Capabilities*



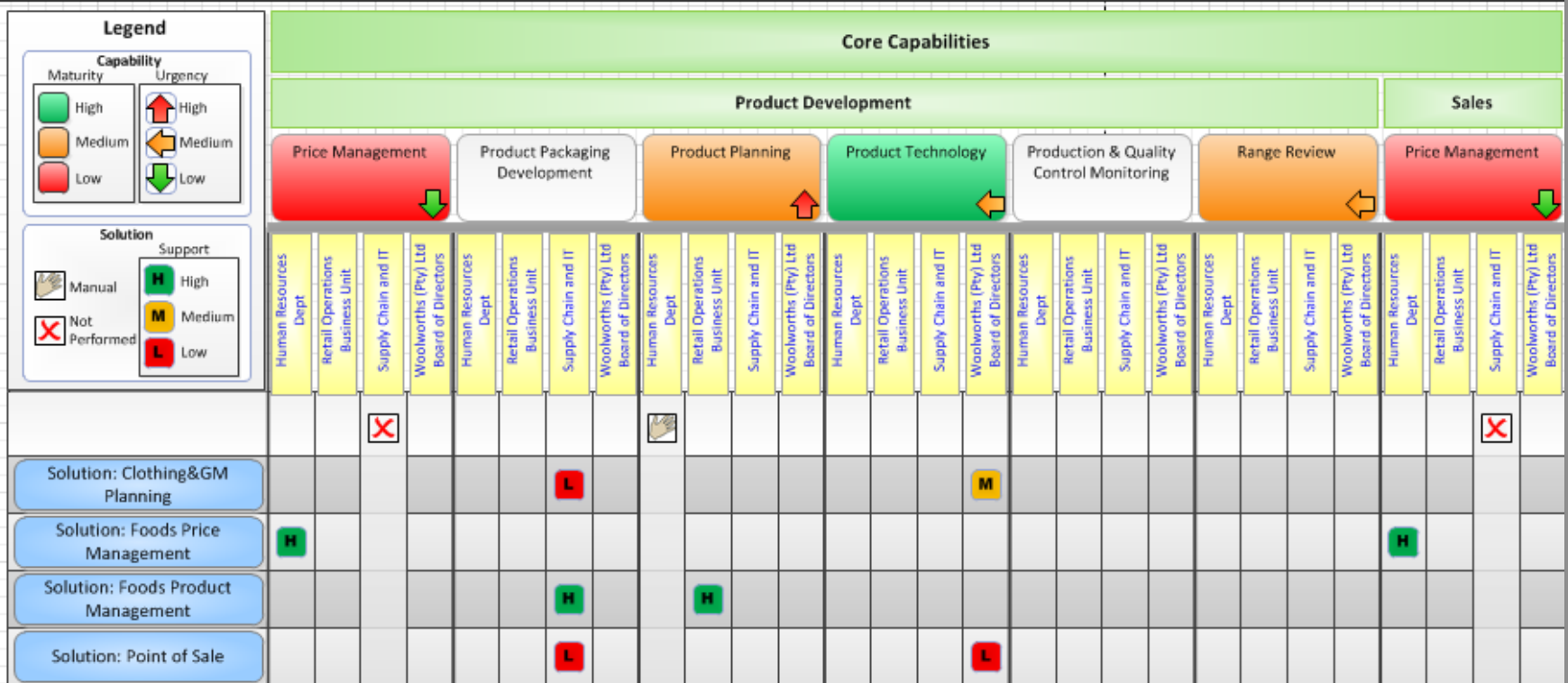
* Members Only - <http://opengroup.co.za/emmm>

Business Capability Mapping



Solution Capability Map

04 November 2011



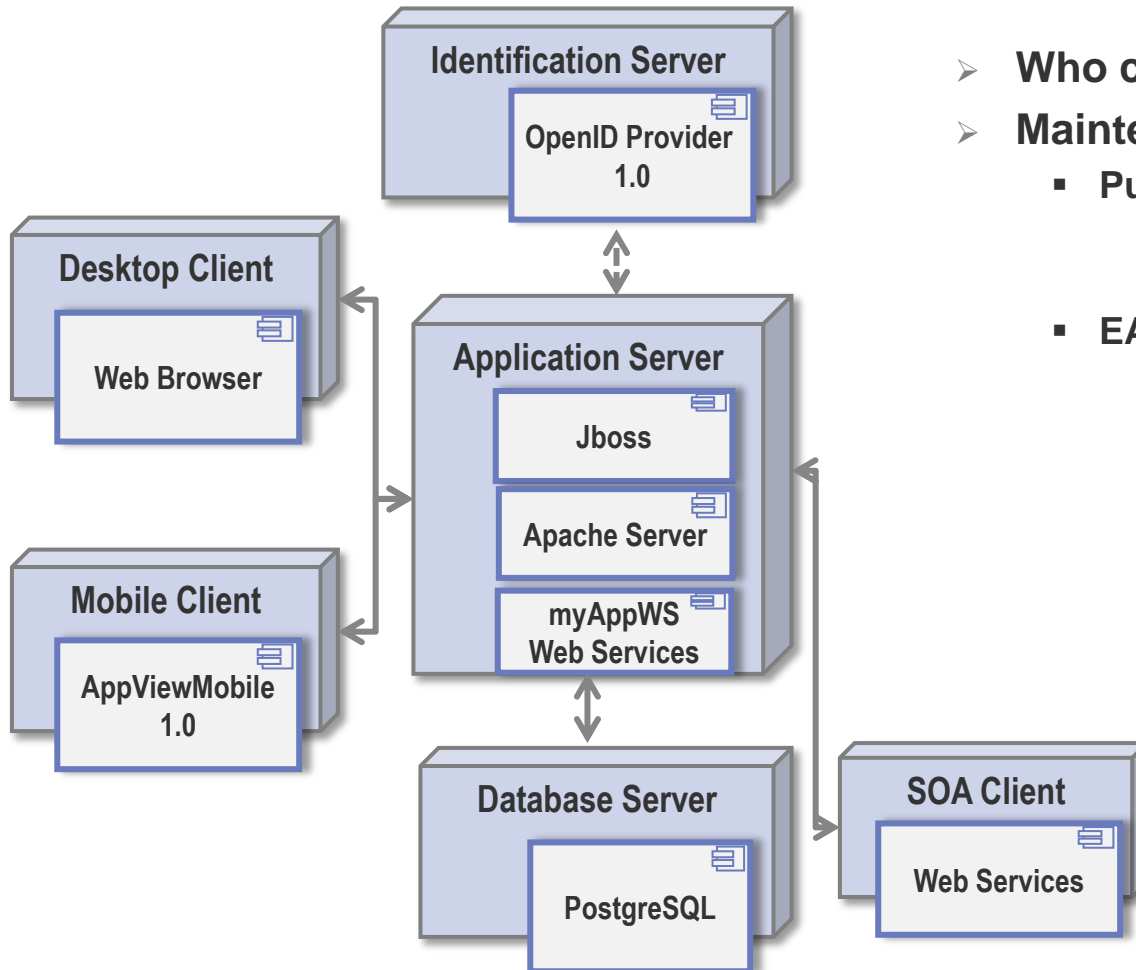
Application RACI

➤ Ownership & Responsibility

- Users only care about things that relate to them!
- Explicit ownership is needed
- Challenging task to assign ownership initially

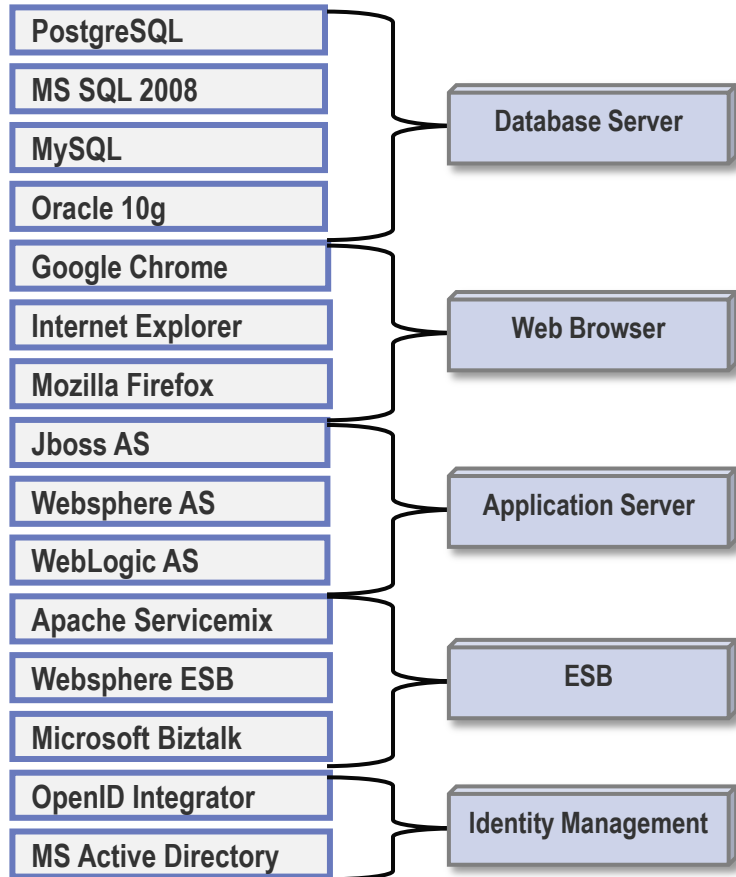


Application Stack



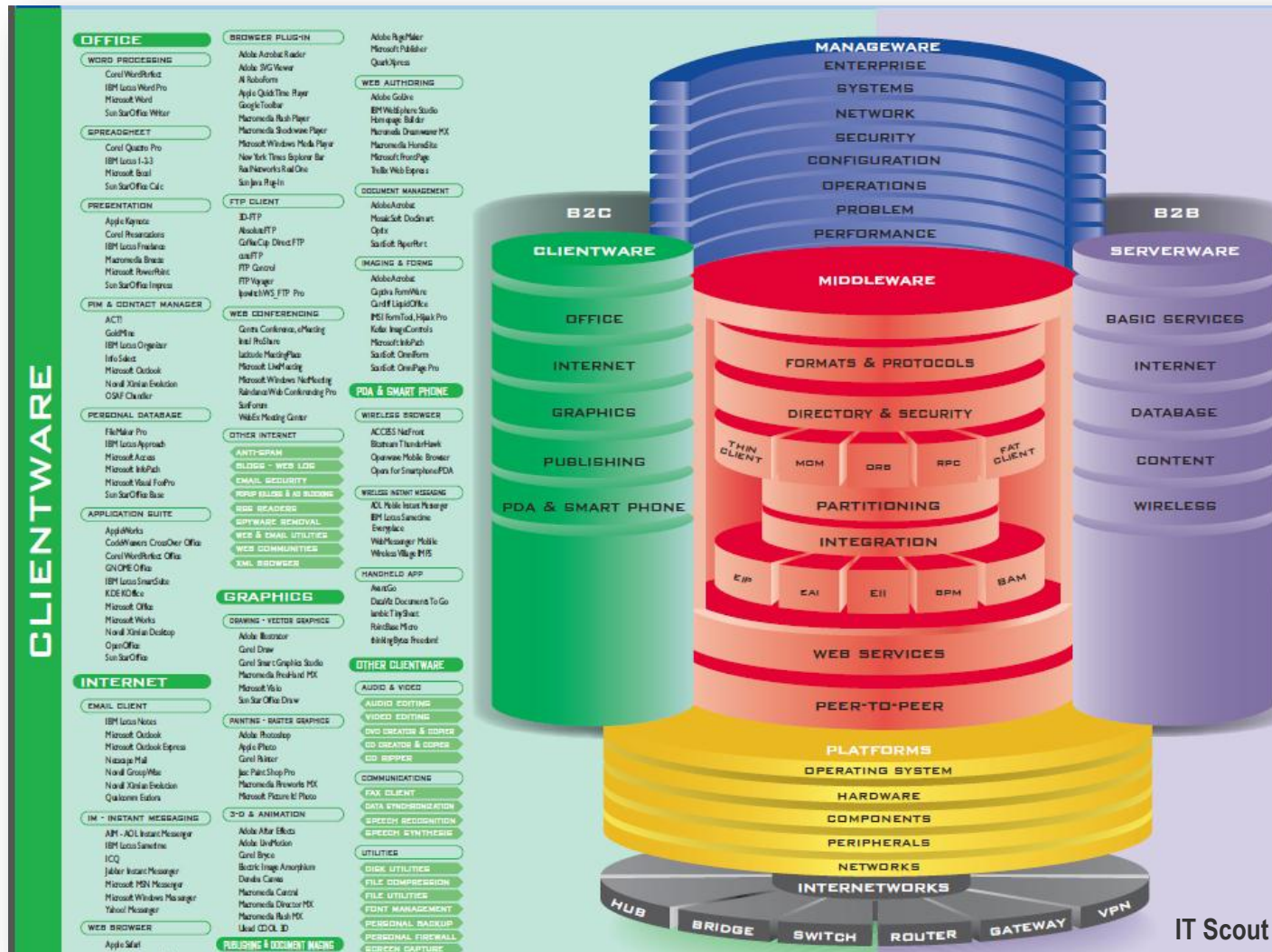
- **Who captures the content**
- **Maintenance?**
 - **Publish to intranet**
 - Model feedback?
 - Live updating
 - **EA Team**
 - Requires understanding
 - Additional licenses or Staff to maintain content.

Understand the Information Model



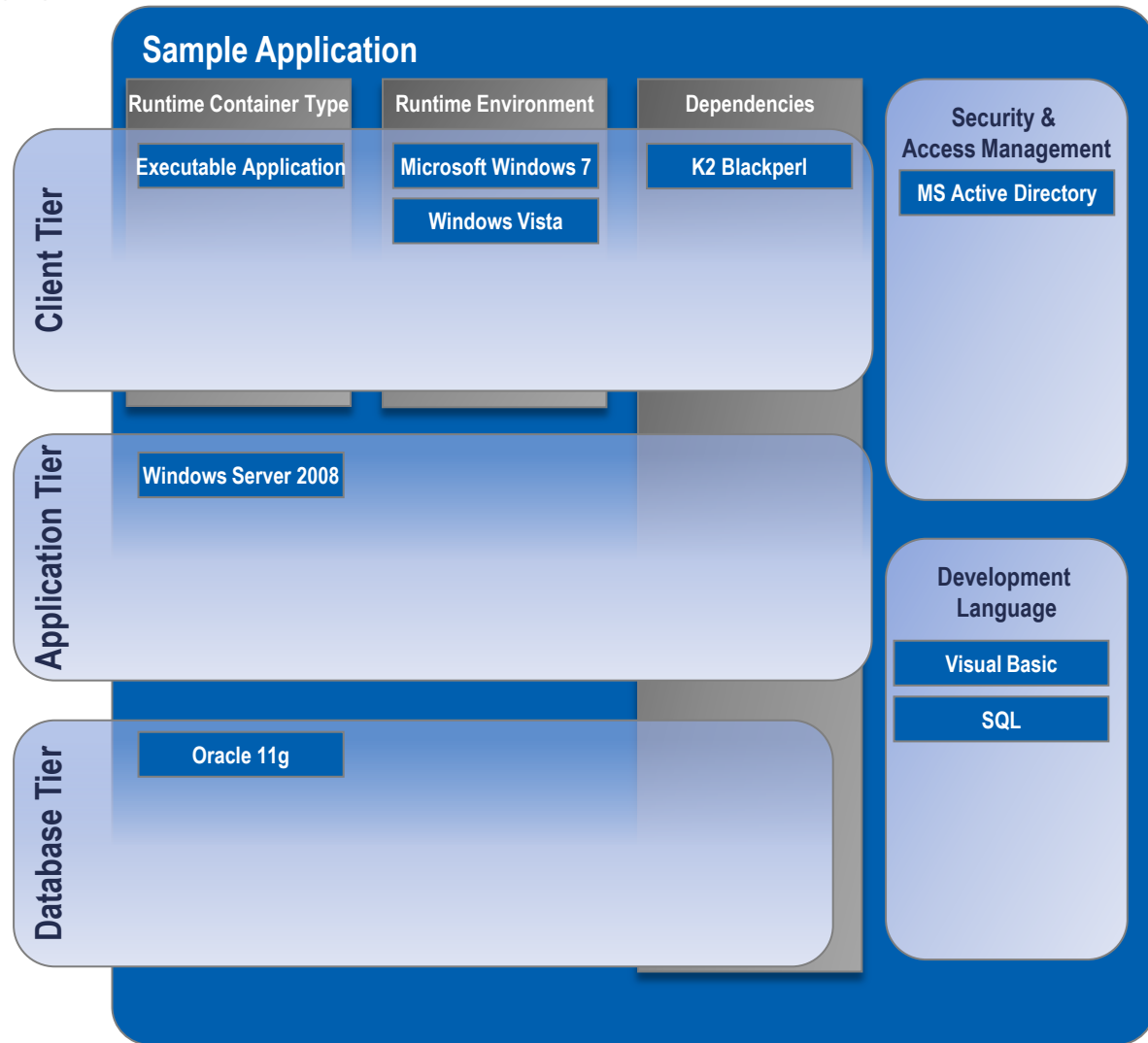
- Catalogue Technical Applications
- Categorise
- Add Meta-Data

Technical Applications – Reference



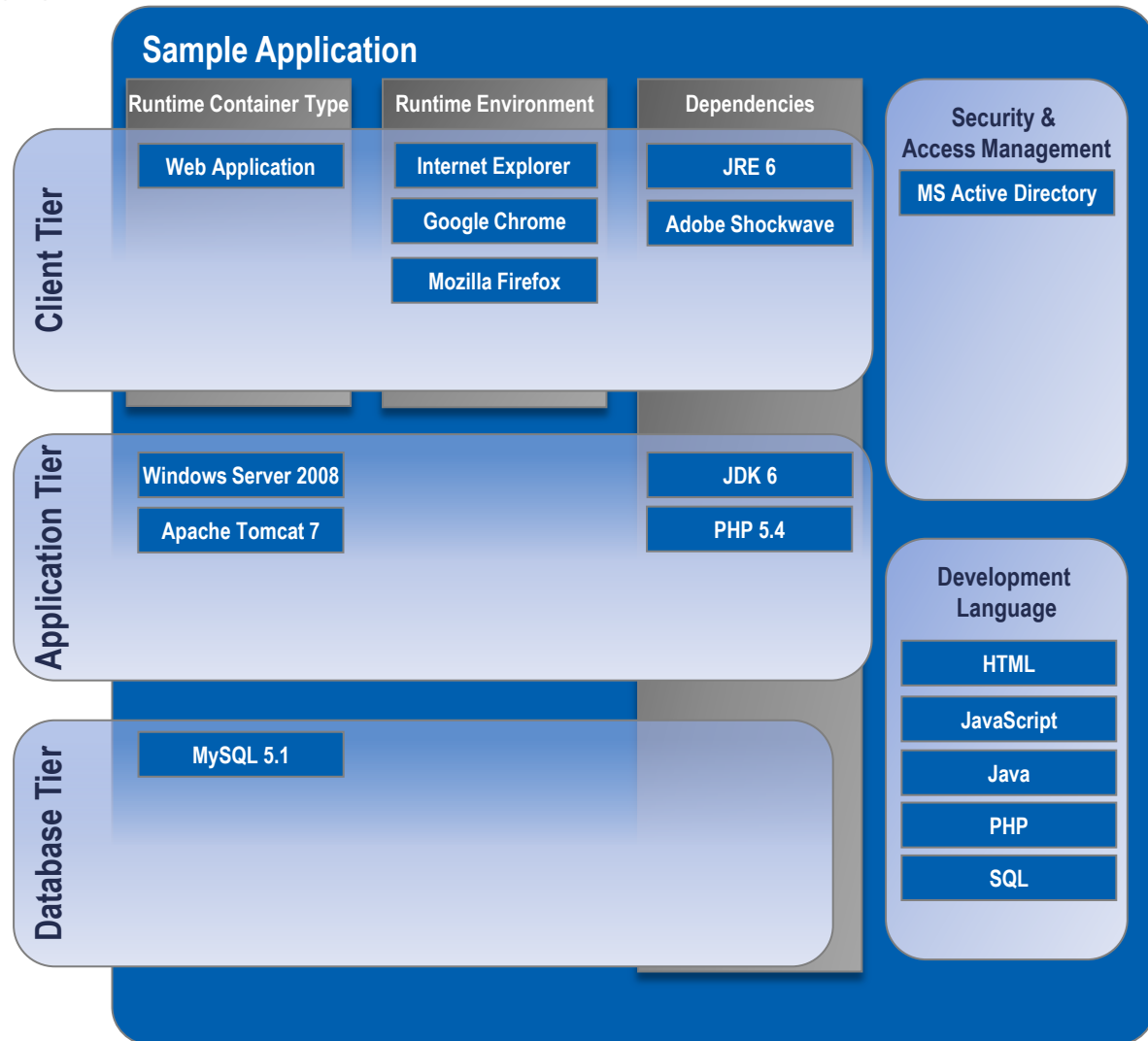
Application Stack

- **HRIS System**
- Company Information Portal
- Online Ordering System
- CS Production Suite



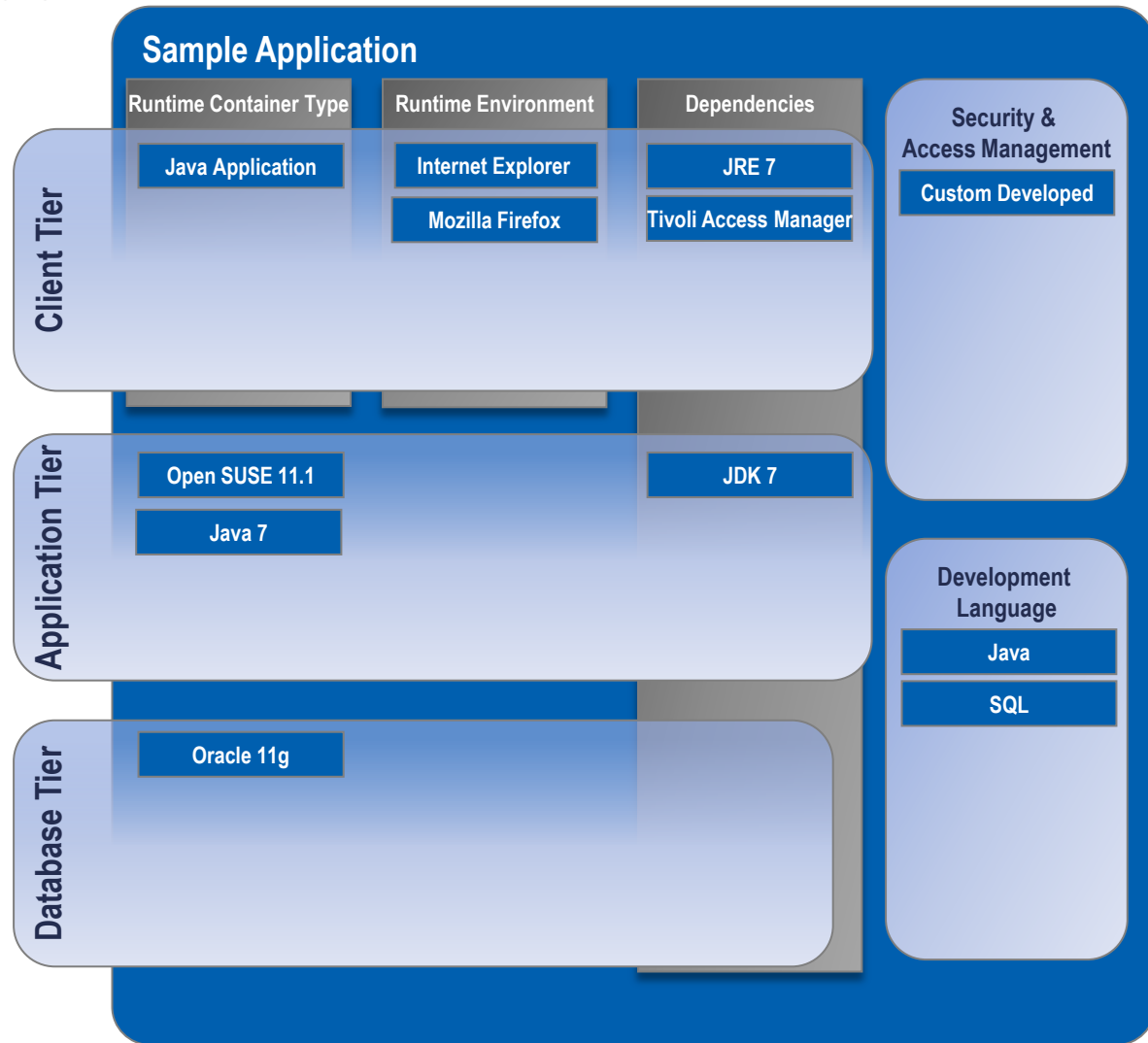
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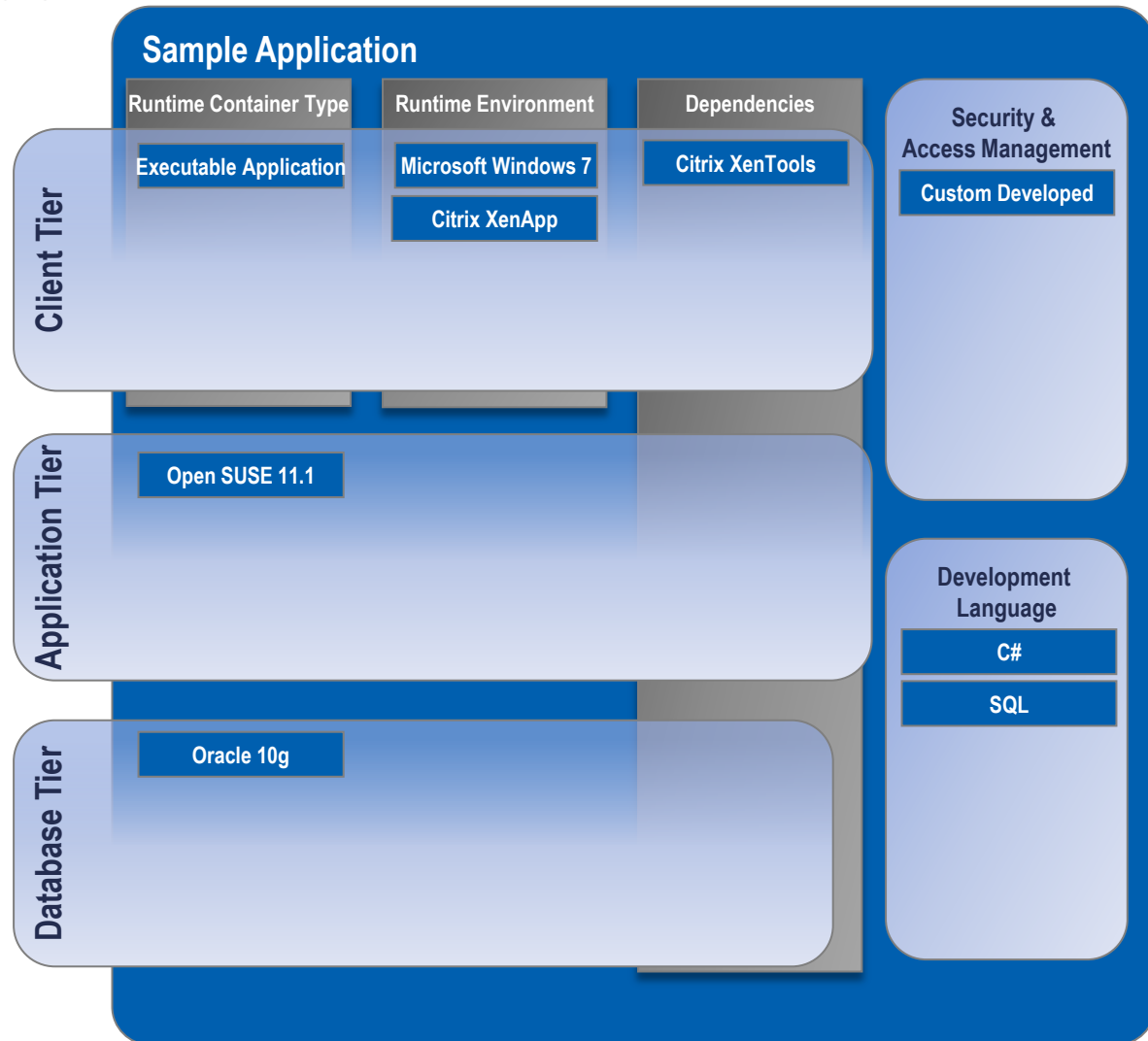
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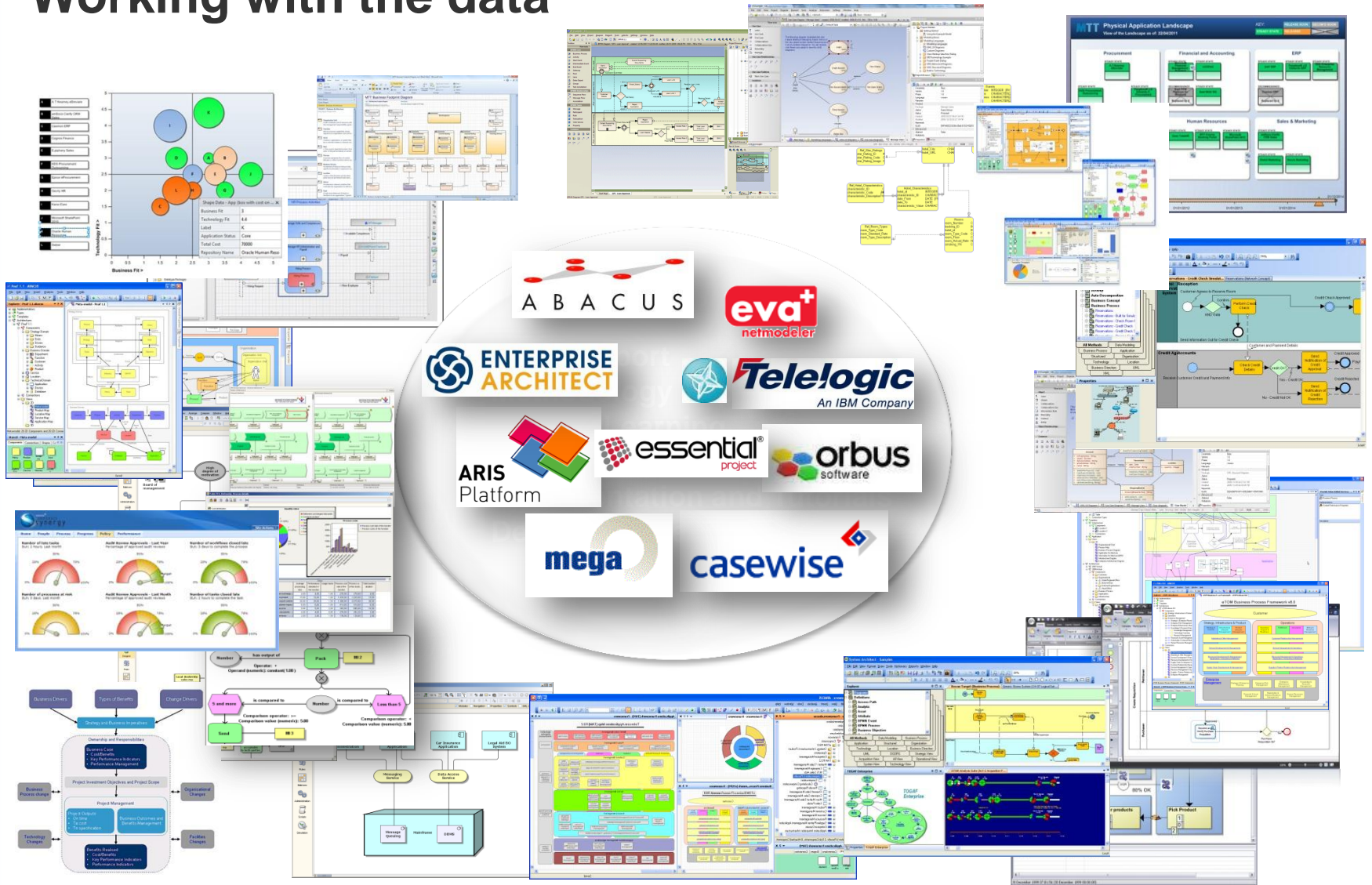


Application Stack

- HRIS System
- Company Information Portal
- Online Ordering System
- **CS Production Suite**



Working with the data



Content Capture

Capability Mapping Matrix

| L2 Capability | Multiple Primaries | No Primary | No Activity at all | OK | Primary Application | Currently Under Review | Manual Activity | Not Performed | Unknown | Pronto Xi for Mining | Minemax Tempo | FragMetrics | 4Site Enterprise Asset Management | ViewMetrics for Haul Trucks (VWHT) | LoadLogger | RadarMetrics | WearMetrics | Stereonet Viewer | Carlson Geology | MineTrust | Ore Controller | Sirovision | MineMapper 3D | Multimine Scheduler | Carlson Underground Mining | RM Scheduler |
|-------------------------------------|--------------------|------------|--------------------|----|---|------------------------|-----------------|---------------|---------|----------------------|---------------|-------------|-----------------------------------|------------------------------------|------------|--------------|-------------|------------------|-----------------|-----------|----------------|------------|---------------|---------------------|----------------------------|--------------|
| Computerised Maintenance Management | X | | | x | | | | | | | | | | | | | | | | | | | | | | |
| Enterprise Resource Planning | 3 | | | x | Pronto Xi for Mining RadarMetrics S | | | | | P | S | S | | | | | | | | | | | | | | |
| SCADA/HMI | | | | Ok | Minemax Tempo | | | | | | P | S | S | | | | | | | | | | | | | |
| Manufacturing Execution | | | | Ok | MineTrust | | | | | | | S | | | | | | | | | | | | | | |
| Manufacturing Execution | 2 | | | x | WearMetrics--MineTrust | | | | | | | | | | | | | | | | | | | | | |
| Geological Modelling | | | | Ok | Carlson Geology | | | | | | | | | | | | | | | | | | | | | |
| Product & Process Engineering | | | | Ok | Sirovision | | | | | | | | | | | | | | | | | | | | | |
| Product & Process Engineering | | | | Ok | Sirovision | | | | | | | | | | | | | | | | | | | | | |
| Product & Process Engineering | | | | Ok | MineTrust | | | | | | | | | | | | | | | | | | | | | |
| Advanced Process Control | | | | Ok | Not Performed | | | P | | | | | | | | | | | | | | | | | | |
| Data Historian | | | | Ok | Unknown | | | | | P | | | | | | | | | | | | | | | | |
| Product & Process Engineering | | | | x | | | | | | | | | | | | | | | | | | | | | | |
| Energy Management | 2 | | | x | LoadLogger--Ore Controller | | | | | | | | | | | | | | | | | | | | | |
| Laboratory Information Management | | | | Ok | Carlson Geology | | | | | | | | | | | | | | | | | | | | | |
| Access Control | | | | Ok | MineTrust | | | | | | | | | | | | | | | | | | | | | |

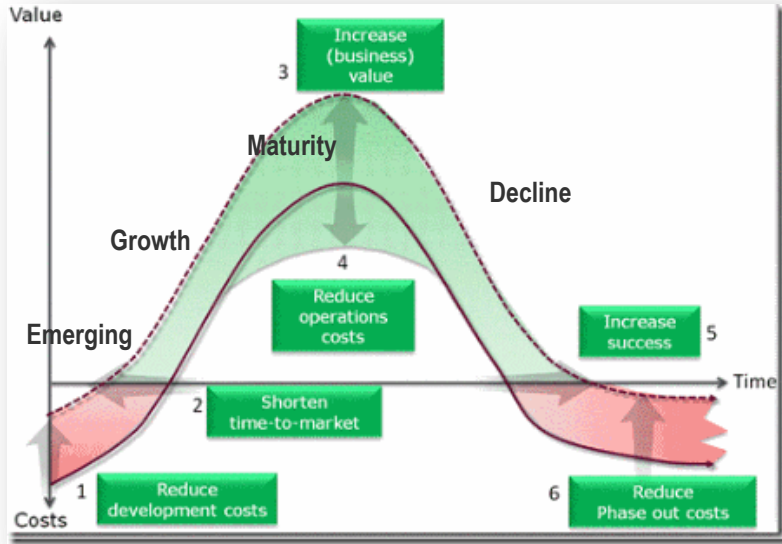
Application Attributes

| Status | Application | Description/Definition | Vendor | Business Unit | Functional Owner | Technical Owner | Standardization | Criticality | Risk |
|-------------------|--------------------------|----------------------------------|--------------------|---------------|------------------|-----------------|-----------------|-------------|--------|
| Ownership Review | Pronto Xi for Mining | fully integrated solution from | Pronto | Finance | Jake Harrow | Peter James | In Evaluation | Low | Low |
| Reviewed | Minemax Tempo | A scalable and integrated mine | Minemax | Mining | Harry Hannaway | Peter James | Non-standard | Medium | High |
| Pending | FragMetrics | A Shovel-Based Rock | Motion Metrics Int | Operations | Harry Hannaway | Peter James | Non-standard | High | Low |
| Awaiting Feedback | 4Site Enterprise Asset M | 4Site delivers an integrated EAM | 4Site, CMMS softw | Operations | Kendra Hastings | Mike Spickett | To be phased | Low | High |
| Pending | ViewMetrics for Haul Tru | A Camera-based Surveillance | Motion Metrics Int | Operations | Harry Hannaway | Peter James | Standard | Low | Medium |
| Pending | LoadLogger | A mine production meter - A | Rockmate Technica | Operations | Sue Lee | Peter James | Standard | Low | Medium |
| Pending | RadarMetrics | A Camera- and Radar-based | Motion Metrics Int | Geology | Harry Hannaway | Peter James | Standard | Medium | Medium |
| Reviewed | WearMetrics | A Real-Time Tooth-Wear | Motion Metrics Int | Mine Planning | Harry Hannaway | Peter James | Standard | Medium | Medium |
| Pending | Stereonet Viewer | a powerful tool for the analysis | CAE Mining | Engineering | Kate Abbey | Jack Hornsbury | Standard | Low | Medium |
| Pending | Carlson Geology | a complete geologic modeling | Carlson Software | Engineering | Ursula Pentings | Peter James | Standard | High | Medium |

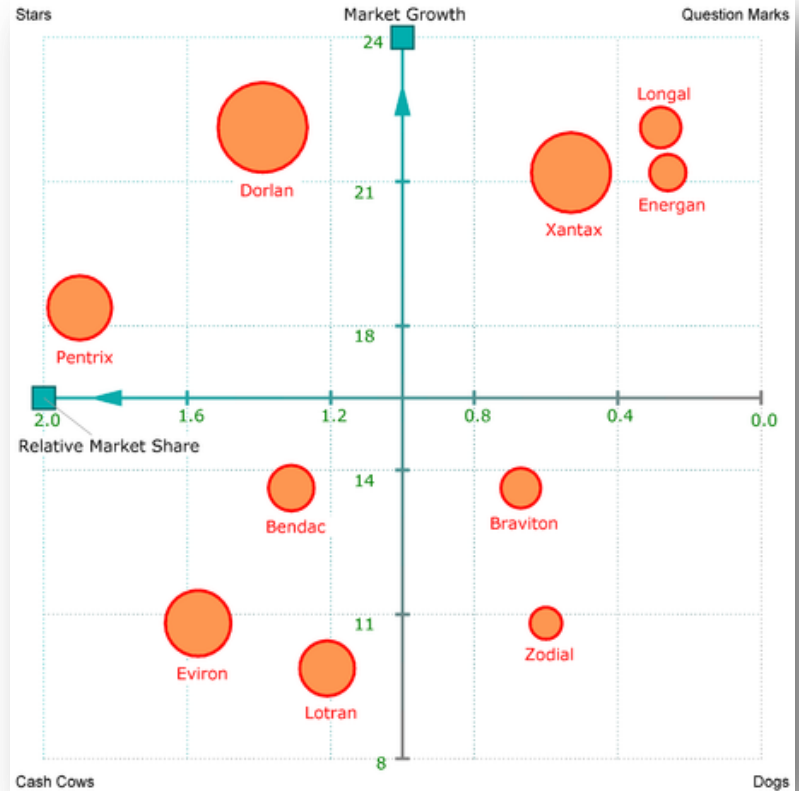


Share and Distribute with Business

Application Lifecycle



Boston Matrix



realIRM Solution Capability Map
04 November 2011

| Solution | Core Capabilities | | | | | | | | | | | |
|------------------------------------|---------------------|-------------------------------|------------------|--------------------|---|--------------|------------------|--|--|--|--|--|
| | Product Development | | | | | | Sales | | | | | |
| | Price Management | Product Packaging Development | Product Planning | Product Technology | Production & Quality Control Monitoring | Range Review | Price Management | | | | | |
| Solution: Clothing&GM Planning | | | | | | | | | | | | |
| Solution: Foods Price Management | | | | | | | | | | | | |
| Solution: Foods Product Management | | | | | | | | | | | | |
| Solution: Point of Sale | | | | | | | | | | | | |

Closing Remarks

- Demonstrated Value
- Getting information out of the EA Repository
- Need to socialise the content with all stakeholders
- Stakeholder viewpoints
- Maintaining the repository content
- Reference “Lists” and archetypes

END!