An Enterprise Architect in the Modern World

- I - Carrow

Microsoft

David Slight Moscow 17th October 2013



Definition, timeline, key methods and approaches What does a modern Enterprise Architect look like Worldwide best practices and examples How do the megatrends impact the Enterprise Architect and Enterprise Architecture

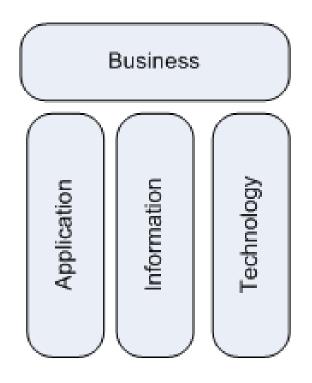
Definition

... the system in question is the whole enterprise, especially the business processes, technologies, people and information systems of the enterprise.

ANSI/IEEE 1471: The fundamental organization of a system, embodied in its components, their relationships to each other and the environment, and the principles governing its design and evolution.

Gartner: "Enterprise architecture (EA) is a discipline for proactively and holistically leading enterprise responses to disruptive forces by identifying and analyzing the execution of change toward desired business vision and outcomes. EA delivers value by presenting business and IT leaders with signature-ready recommendations for adjusting policies and projects to achieve target business outcomes ..." IT view Business Architecture Information

Technology

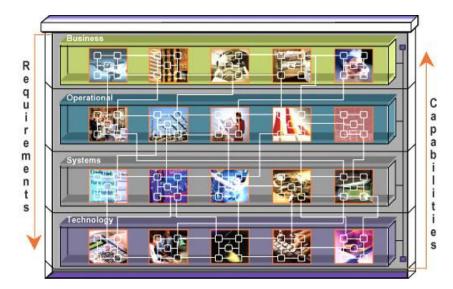




Business Operations

System

Technology



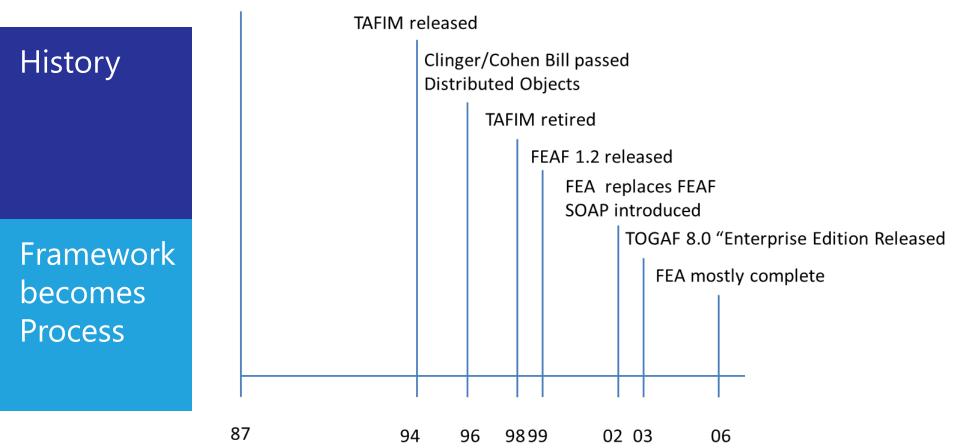


A Comparison of the Top Four Methodologies

Many enterprise-architectural methodologies have come and gone in the last 20 years. At this point, perhaps 90 percent of the field use one of these four methodologies:

Zachman, FEA, TOGAF, process centric (ie Gartner)

http://msdn.microsoft.com/en-us/library/bb466232.aspx Roger Sessions, ObjectWatch, Inc., May 2007 Zachman's first article/ OO Programming

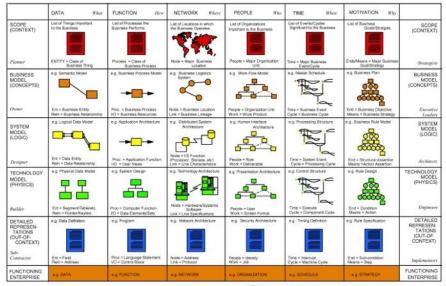


Zachman

The Zachman Framework for Enterprise Architectures

Although selfdescribed as a framework, is actually more accurately defined as a Taxonomy

A FRAMEWORK FOR ENTERPRISE ARCHITECTURE [™]



© 1986 - 2008 John A. Zachman, Zachman International

See www.ZachmanInternational.com for the latest Zachman Framework graphic.

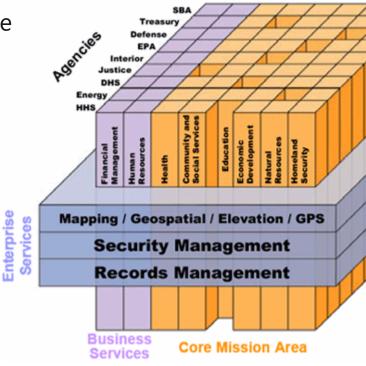
FEA

The Federal Enterprise Architecture

Can be viewed as either an implemented enterprise architecture or a proscriptive methodology for creating an enterprise architecture

Federal Enterprise Architecture [FEA]

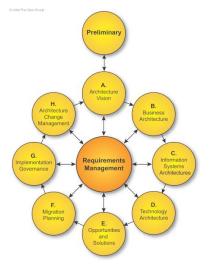


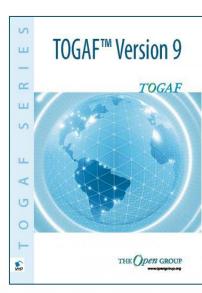


TOGAF

The Open Group Architectural Framework (TOGAF)

Although called a framework, is actually more accurately defined as a Process

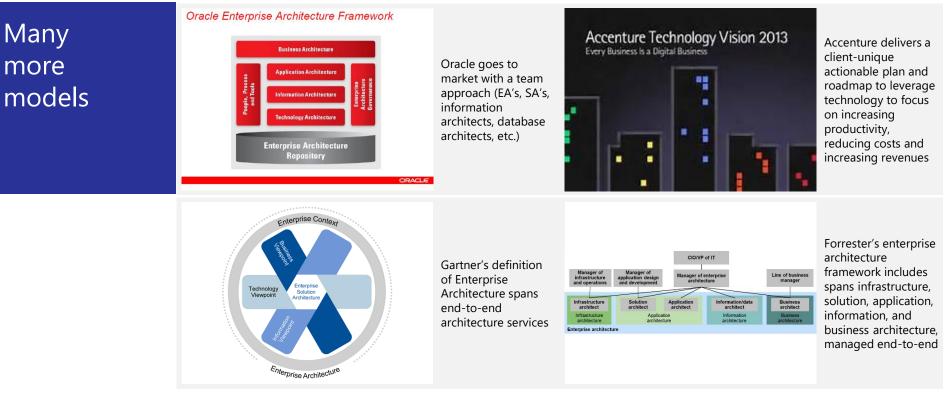






ORACLE

Accenture

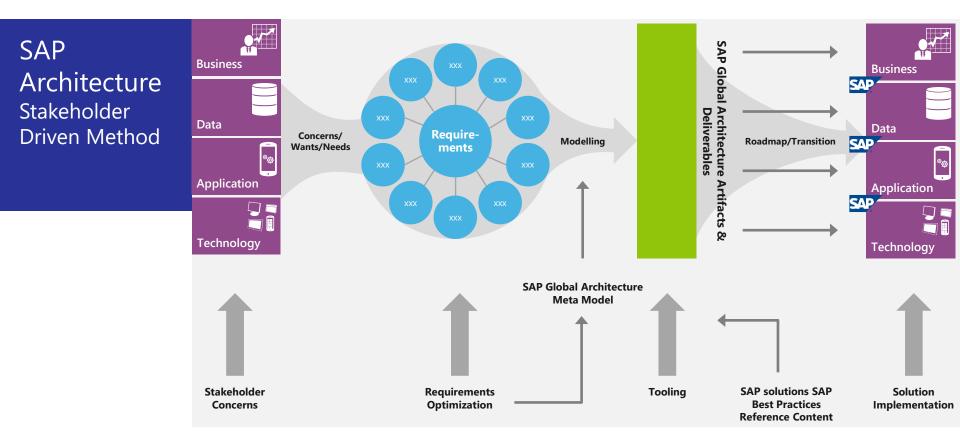


GARTNER

FORRESTER

Evolution of
SAP's
Architecture
Framework

	TOGAF	SAP EAF	SAP Architecture
Architecture Development Method	Capability driven architecture development method, focused on software development	Capability driven architecture development method, focused on SAP Solution deployment	Value driven architecture development method, focused on full exploitation of SAP (Next Generation) Solutions, Services and Content
Meta Model	Hybrid approach between software development and service architecture style	Hybrid approach between software development and service architecture style, supporting SAP Solutions using a SAP Taxonomy	Simple and robust meta model geared toward supporting the SAP Architecture Development Method
Accelerators and Artifacts	Generic templates	Features SAP specific narratives, templates and worksheets. These materials are included in the SAP ASAP 7.1 method.	Proven, architectural deliverables having cross-industry context to support re-use for solution design development and reference purposes



2009: Microsoft Enterprise Architect



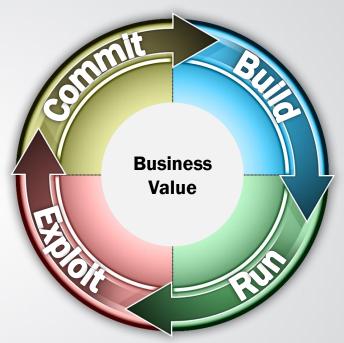
Example 1: Value focus

It did sound like *Canadian Bank* and Microsoft share many of the same challenges and opportunities with respect to the Enterprise Architecture practice. Let's review the training agenda with our internal team to assess potential fit.

Day 2 - Meet Your Sponsor	Day 3 - How MSFT Can Help	Day 4 - SDP for Engagement	Day 5 - Create a Compelling Plan	Day 6 - Realize and Report Value
FacilitatorInstructor	Facilitator/Instructor	FacilitatorInstructor	FacilitatorInstructor	Facilitator/Instructor
Huddle	Huddle	Huddle	Huddle	Huddle
Big Picture / Pre-Sales	Big Picture / ATU	Big Picture / Engagement	Big Picture / EAIP	Big Picture / Renewal
Ben Keith	VRF Assessment:	Ben Keith	Paul Slater	VRF: Value Realization
ESP Work Orders	Validate	ESN Network &	VRF: Initiative Planning	Ben Keith
Christopher Swenson and	Ben Keith	Customer Connections	Ben Keith	
Walter Oelwein		Deepti Manne, Miha Kralj, and		
Break	Break	Michelle Strah	Break	Break
VRF Assessment:	VRF Assessment:	Break	VRF: Initiative Planning	VRF: Value Realization
Context	Validate and Top Tools	VRF Assessment: Prioritize	Ben Keith	Ben Keith
Ben Keith	Ben Keith	Ben Keith		
			Work Time	Work Time
		Work Time		
Lunch	Lunch	Lunch	Lunch	Lunch
	Facilitator/Instructor Huddle Big Picture / Pre-Sales Ben Keith ESP Work Orders Christopher Swenson and Walter Delwein Break VRF Assessment: Context Ben Keith	Facilitator/Instructor Facilitator/Instructor Huddle Huddle Big Picture / Pre-Sales Big Picture / ATU Ben Keith VRF Assessment: ESP Work Orders Validate Christopher Swenson and Ben Keith Walter Delwein Break VRF Assessment: VRF Assessment: Context VAlidate and Top Tools Ben Keith Ben Keith	Facilitator/Instructor Facilitator/Instructor Facilitator/Instructor Huddle Huddle Huddle Big Picture / Pre-Sales Big Picture / ATU Big Picture / Engagement Ben Keith VRF Assessment: Ben Keith ESP Work Orders Validate ESN Network & Christopher Swenson and Ben Keith Customer Connections Walter Delwein Break Michelle Strah VRF Assessment: VRF Assessment: Break VAIIdate and Top Tools VRF Assessment: Prioritize Ben Keith Ben Keith Ben Keith Work Time	Day 2 - Meet Your SponsorDay 3 - How MSFT Can HelpDay 4 - SDP for EngagementPlanFacilitator/InstructorFacilitator/InstructorFacilitator/InstructorFacilitator/InstructorHuddleHuddleHuddleHuddleBig Picture / Pre-SalesBig Picture / ATUBig Picture / EngagementBig Picture / EAIPBen KeithVRF Assessment:Ben KeithPaul SlaterESP Work OrdersValidateESN Network &VRF: Initiative PlanningChristopher Swenson andBen KeithDeepti Manne, Miha Kralj, andBen KeithBreakBreakWRF Assessment:VRF Assessment:BreakVRF Assessment:VRF Assessment:BreakVRF: Initiative PlanningContextBen KeithBen KeithBen KeithBen KeithBen KeithBen KeithWark TimeWork Time

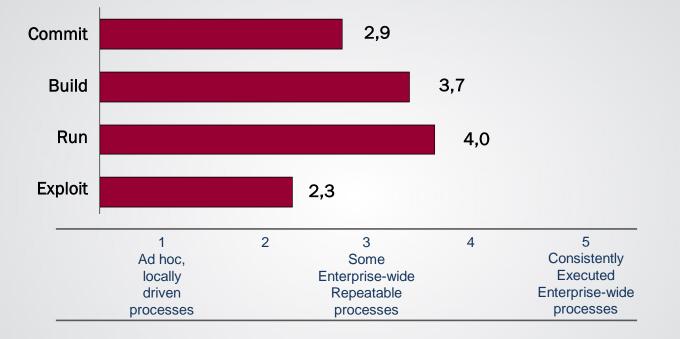
2012: The new value proposition emphasizes innovation and business value

- Building and leveraging platforms involves a value cycle rather than the traditional value chain
 - Commit: allocating resources to address strategic priorities
 - Build: delivering new technology, process, and information-based capabilities
 - Run: ensuring reliable support of these capabilities
 - Exploit: generating ongoing business value from capabilities





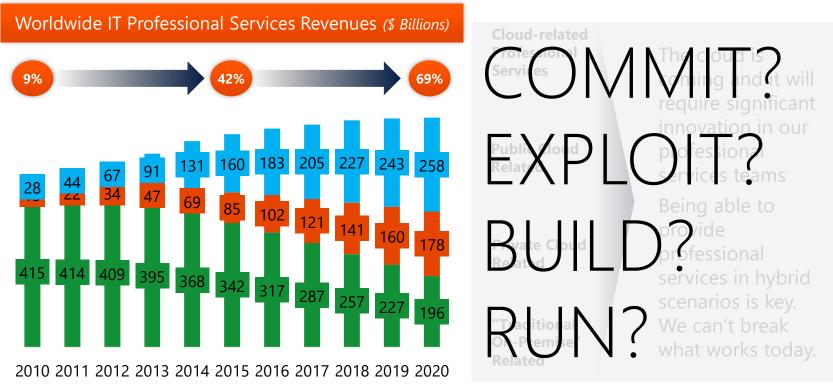
IT Units are better at Run and Build than Commit and Exploit





Center for Information Systems Research (CISR source: Survey of 75 MIT CISR sponsors, November 3, 2011 © 2012 MIT Sloan CISR - Ross

Cloud approach reduces the need for Build and Run



Source: Forrester 'The Coming Upheaval in Tech Services', STB Oliver Wyman

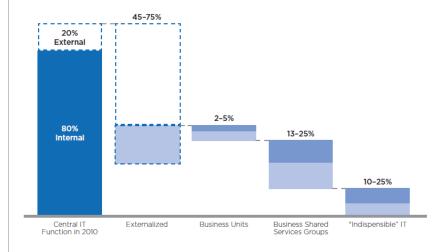
Headcount in standalone IT roles will likely shrink to 25% or less of current totals by 2015 in organizations where the five shifts have taken full effect.

 In many cases, the number of staff in standalone IT roles will be less than those with responsibilities related to technology in the business shared services group.

 See the appendix on page 116 for full details of the analysis

NOT MUCH LEFT

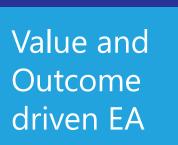
Estimated Reallocation of IT Headcount at Progressive Organizations by 2015 As a Percentage of Total Central IT Headcount in 2010



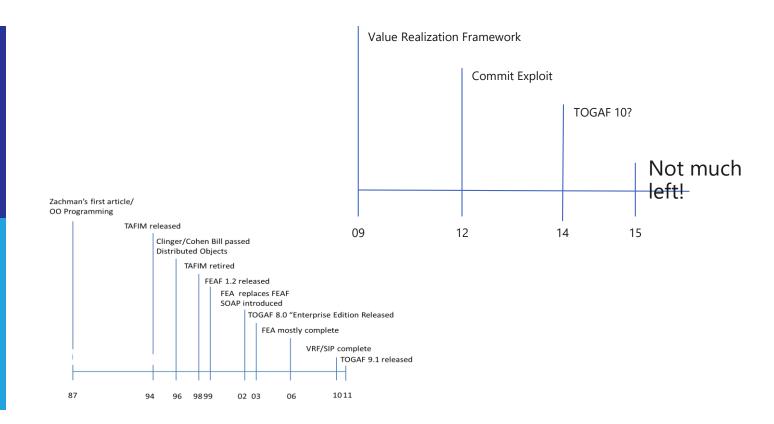
Source: Analysis based on CIO Executive Board 2009 IT Budget Benchmark.

INFORMATION TECHNOLOGY PRACTICE www.executiveboard.com/IT

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 WHICH WAY FORWARD?
 FOUR INTERNAL TRENDS
 TEN EXTERNAL TRENDS
 THE FUTURE OF CORPORATE IT
 WHAT TO DO NOW?



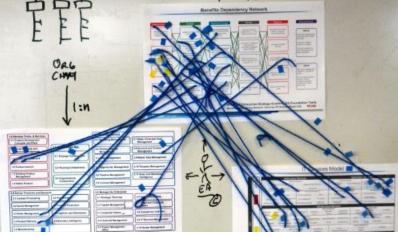
Reboot ...



Example 2: Reboot!

Acknowledge that *very large mining company* Enterprise Architecture lacks maturity and formal methods.

Rebuild the practice using a value-based process to link Value, Business and IT using capability models.



VRF Enterprise Architecture Capability Model

BUSINESS ENABLE	MENT & STRATEGY	OFFICE OF ENTERPRISE ARCHITECTURE
Strategy and Planning	EA Strategy & Vision	
Innovation Management	EA Services Model	
Velue Management	EA Operational Model	
Business Architecture & Modeling	EA Engagement Model	
Opportunity Identification		
EA MANAGEMENT (EAM)	TECHNOLOGY LIFECYCLE	EA Competency Model & Telent Mgmt
Stenderds Mgmt	Architecture Change Mgmt	EA Performence Mgmt
Engagement Mgmt	Enterprise Information Mgmt	EA Communication Model
Vendor Stretegy	Application Portfolio Mgmt	EA Communities Model
Solution Selection	Architecture Plenning	ARCHITECTURE SEGMENTS
	Technology Innovation	Business Architecture
ARCHITECTURE EXECUTION	COMPETENCY MANAGEMENT	Application Architecture
Trade-Off Analysis	Market Trend Analysis	Information Architecture
Fit Assessments	Competency Mgmt &	Technology Architecture
Architecture Services	Advancement	Security Architecture
Workshops and Envisioning	Collaboration	EA ENABLERS
ENTERPRISE ARCHIT	ECTURE GOVERNANCE	
Architecture Review Board	EA Framework	
Architecture Guidence Team	EA Approach & Mathods	
Executive Steering	EA Tools	
Architecture Risk Mgmt	EA Repository	



What does a Modern Enterprise Architect look like?



Gartner suggest an Enterprise Architecture must become Business Outcome-Driven to deliver Value

Building a practice, we reset and created a simple way of understanding the minimum requirements for a modern Enterprise Architect, and how to assess against the formal role requirements.

Interview criteria, career guidance job descriptions all driven by four key skill areas. Four core skills for Commit & Exploit

BUSINESS UNDERSTANDING

LEADERSHIP & RELATIONSHIPS



ARCHITECTURE & TFCHNOLOGY

CONSULT NG METHODS

