# iServer 2010

Enterprise Architecture and Business Process Solutions For Microsoft and Visio users

TOGAF 9 In Pictures



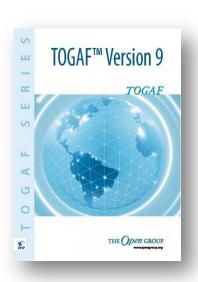
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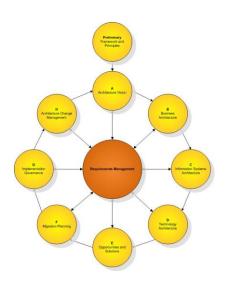
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TOGAF is an Architecture Framework which has been developed by the Open Group "to provide the methods and tools for assisting in the acceptance, production, use and maintenance of an Enterprise Architecture".



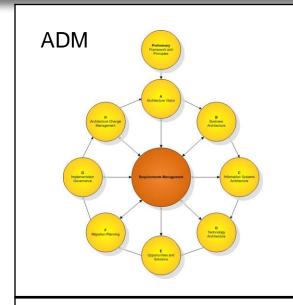




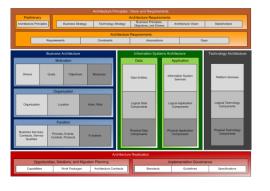
This guide has been designed to give a quick and simple pictorial introduction to TOGAF9, broken down into 6 main 'modules', following the modular structure of TOGAF9, which has been a change from TOGAF8.

#### TOGAF9 Modular Structure

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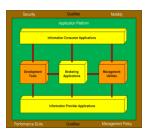


## Architecture Content Framework

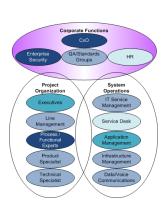


#### Reference Models

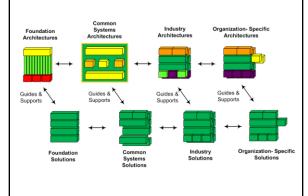




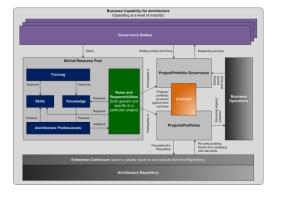
## ADM Guidelines & Techniques



#### **Enterprise Continuum**



## Architecture Capability Framework



### The ADM: Phase-by-Phase

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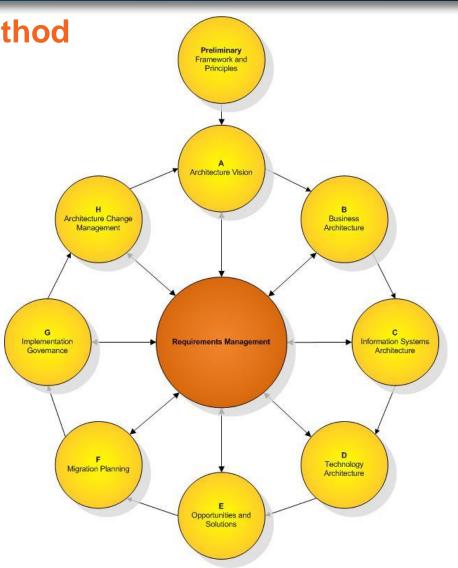
**Architecture Development Method** 

A STEP-BY-STEP approach

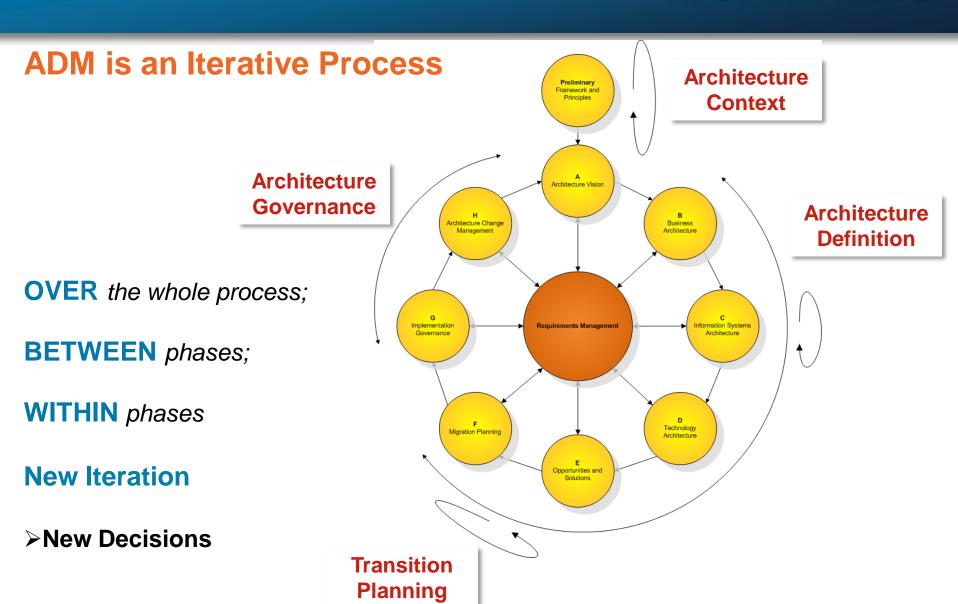
A METHOD for developing EA

THE CORE of TOGAF

**HELPS ESTABLISH** an EA Framework



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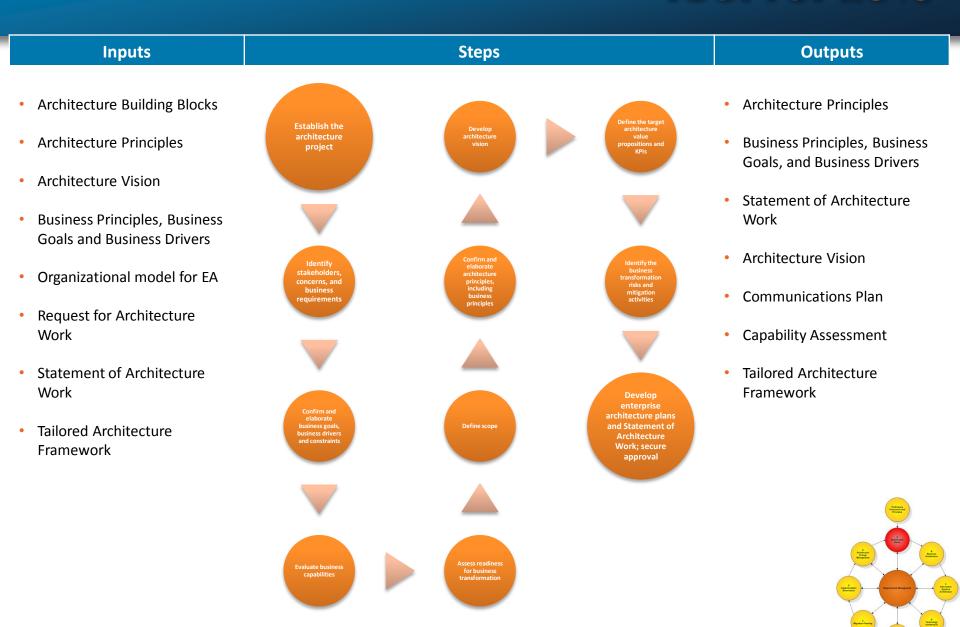
### **ADM Phase: Preliminary**

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**Inputs Outputs Steps Architecture Principles Architecture Principles** Scope the **Implement** Organizational model for EA **Business Principles, Business** enterprise Architecture Goals, and Business Drivers organizations **Tools** Tailored Architecture impacted Framework Organizational model for EA Request for Architecture Work Tailored Architecture Framework

#### ADM Phase A: Architecture Vision

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#### ADM Phase B: Business Architecture

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**Inputs Steps Outputs Architecture Building Blocks Architecture Principles Architecture Requirements** Architecture principles Specification Select **Architecture Vision** reference Architecture Roadmap models, stakeholder Architecture viewpoints **Business Principles, Business** Landscape and tools **Goals and Business Drivers Business Principles, Business Goals and Business Drivers** Request for Architecture Work Statement of Architecture Work Capability Assessment **Communications Plan** Organization model for EA Statement of Architecture Work Create Architecture Business **Perform Gap** Tailored Architecture Architecture **Definition** Framework **Document** 

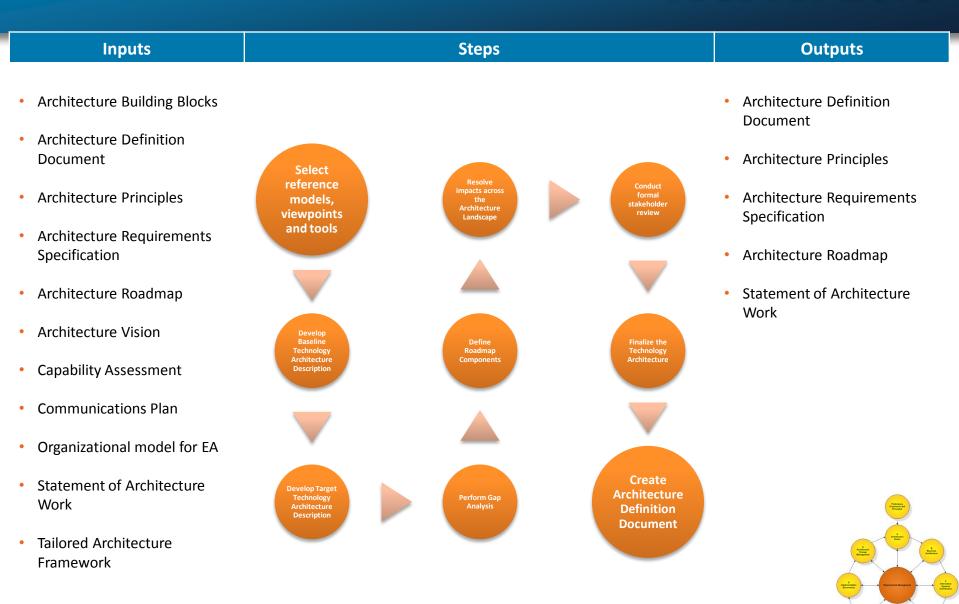
## ADM Phase C: Inf. Systems Architecture **[Server 2010**]

**Inputs Steps Outputs** Phase C includes Data Architecture and Application Architecture **Architecture Building Blocks** Architecture Definition Document **Architecture Definition Architecture Principles** Document Select reference **Architecture Principles Architecture Requirements** models, stakeholder Architecture viewpoints Specification Landscape and tools **Architecture Requirements** Specification Architecture Roadmap Architecture Roadmap Statement of Architecture Work **Architecture Vision** Finalize the Information Request for Architecture Description Work **Capability Assessment** Communications Plan Create Architecture Information Organization Model for EA **Definition Document** Statement of Architecture Work

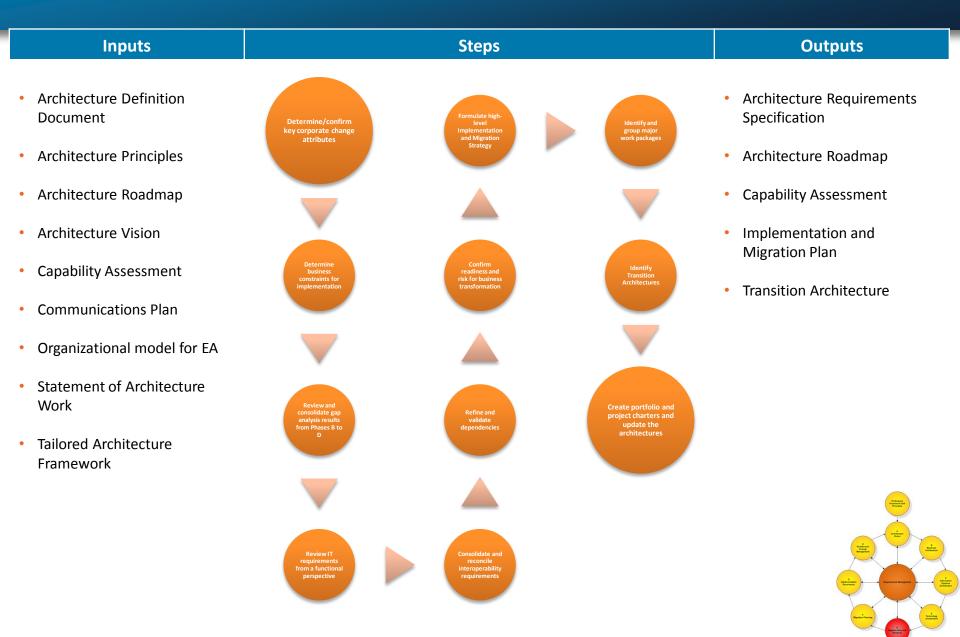
Tailored Architecture

Framework

## ADM Phase D: Technology Architecture iServer 2010



## ADM Phase E: Opportunities and Solution Server 2010



### **ADM Phase F: Migration Planning**

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**Outputs Inputs Steps Architecture Principles Architecture Building Blocks** Architecture Roadmap **Architecture Contract Architecture Vision Architecture Requirements** Specification Capability Assessment Architecture Roadmap **Communications Plan** Implementation and Organizational model for EA Migration Plan Statement of Architecture Request for Architecture Work Work Tailored Architecture Transition Architecture Framework

## ADM Phase G: Implementation Governantserver 2010

**Inputs Steps Outputs Architecture Contract Compliance Assessment** Perform postand priorities for Architecture Definition **Solution Building Blocks** deployment review and close Document development management **Architecture Principles** Architecture Roadmap **Architecture Vision** Implementation Governance model IT operations Organizational model for EA and skills Request for Architecture Work Statement of Architecture Work Tailored Architecture Framework of solutions Transition Architecture

### ADM Phase H: Change Management

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**Inputs Outputs Steps Architecture Definition Architecture Building Blocks** Document Requirements Impact **Architecture Principles** Assessment **Activate the Establish** Value process to Architecture Roadmap Realization implement Change process **Architecture Vision Compliance Assessment** Implementation Governance model Organizational model for EA Statement of Architecture Work Tailored Architecture Framework Transition Architecture

## ADM Phase: Requirements Management iServer 2010

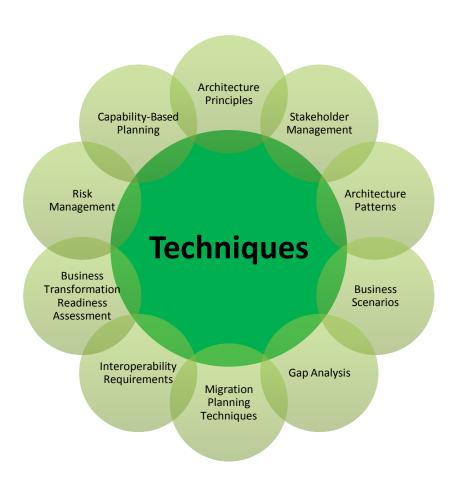
**Outputs Inputs Steps** The Inputs to the **Changed Requirements** Requirement Management process are the requirements-Requirements Impact related outputs from each Assessment ADM phase Identify/document The first high-level requirements are produced as part of the Architecture Vision gap analysis for past phases

### Guidelines and Techniques

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### **GUIDELINES** for Adapting the ADM Process





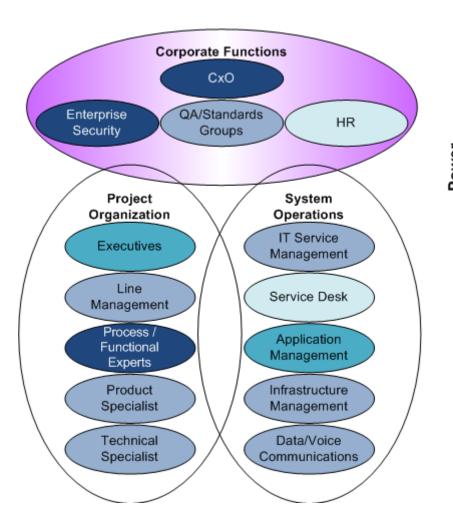
**TECHNIQUES** for Architecture Development

### Technique: Stakeholder Analysis

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#### Win Support

FROM Stakeholders



High Keep Satisfied Players

Low Minimal Effort Informed

Low High

**Level Of Interest** 

## Technique: Business Scenarios

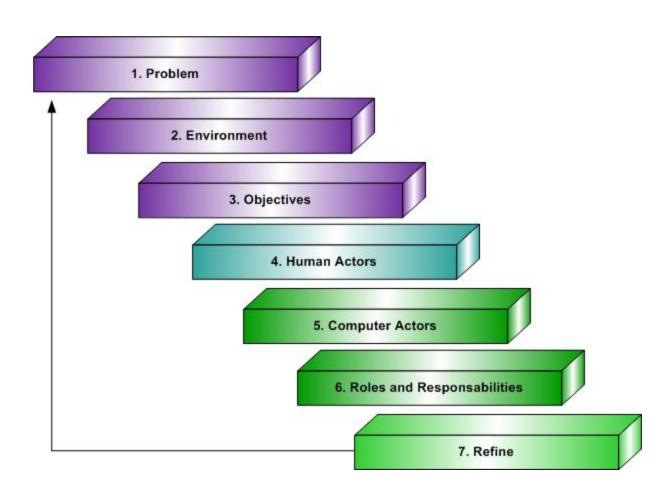
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#### Method within a Method to...

**IDENTIFY** 

#### **ARTICULATE**

Business requirements



## Technique: Capability Based Planning



### Manage

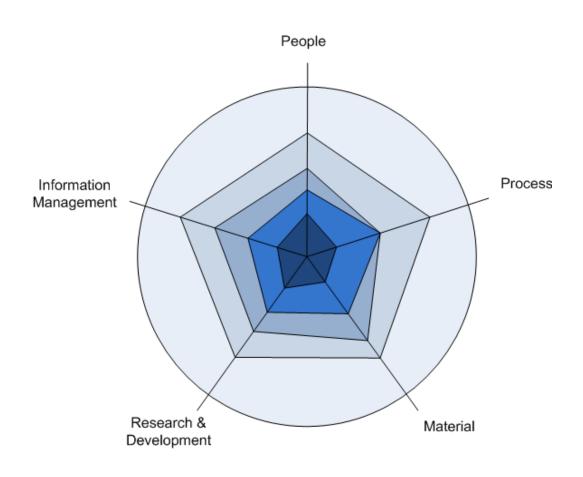
#### **CAPABILITIES** of the enterprise

Capability Increment 3

Capability Increment 2

Capability Increment 1

Capability Increment 0



### Technique: Architecture Partitioning

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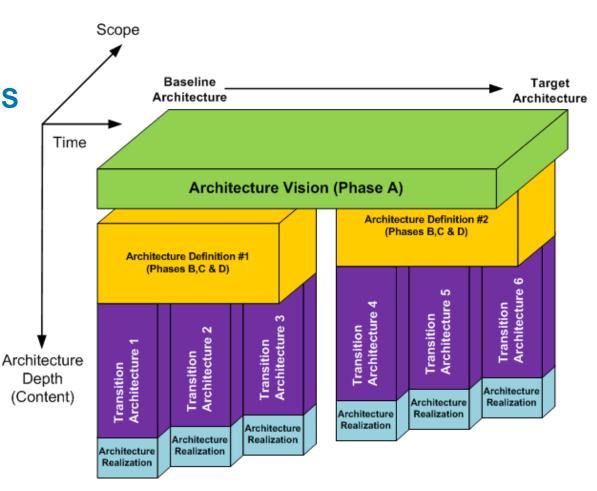
#### **Break into Bite-Size Chunks**

**ENTERPRISE SCOPE** 

**ARCHITECTURE DOMAINS** 

LEVEL OF DETAIL

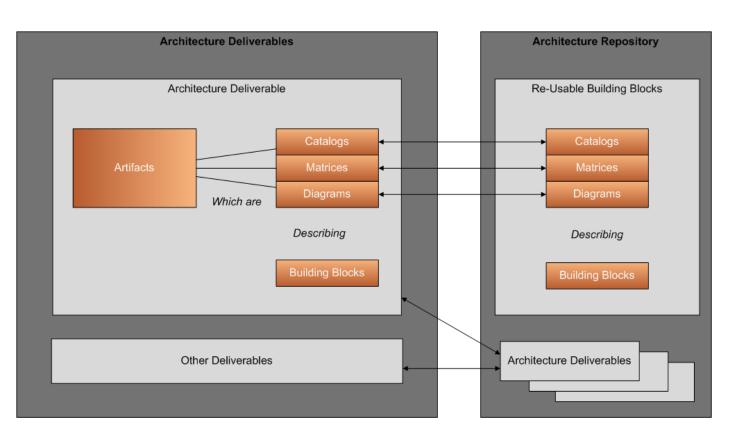
**PROJECT SCHEDULES** 



#### Architecture Content Framework

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#### **Description of Architectural Work Products**



**DELIVERABLES** 

**ARTIFACTS** 

**BUILDING BLOCKS** 

**RELATIONSHIPS** 



### **Definition of Building Blocks and Relationships**

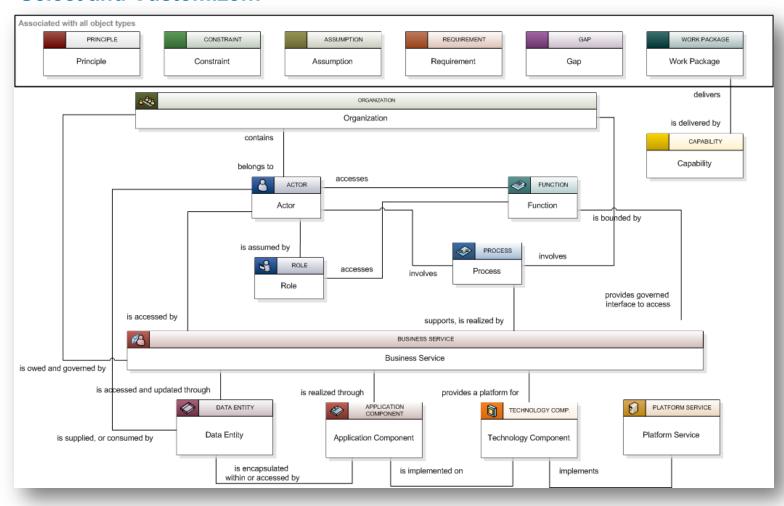
Architecture Principles, Vision and Requirements									
Preliminary Architecture Requirements									
Architecture Principles	Business Strategy Technology S		rategy Business Principles, Objectives, and Drivers		Architecture Vision		Stakeholders		
Architecture Requirements									
Requirements		Constraints	Constraints		Assumptions		Gaps		
Business Architecture				Information Systems Architecture				hnology Architecture	
	Motivation			Data Application					
Drivers	Goals Objectives	s Measures		Data Entities		Information System Services	ı	Platform Services	
Organization			-		Н			_	
Organization	Location	Actor, Role		Logical Data Components		Logical Application Components	Ш	Logical Technology Components	
Function									
Business Services, Contracts, Service Qualities	Process, Events, Controls, Products	Functions		Physical Data Components		Physical Application Components		Physical Technology Components	
Architecture Realization									
Opportunities, Solutions, and Migration Planning Implementation Governance									
			tracts	cts Standard				Specifications	

#### Content Metamodel Broken Down



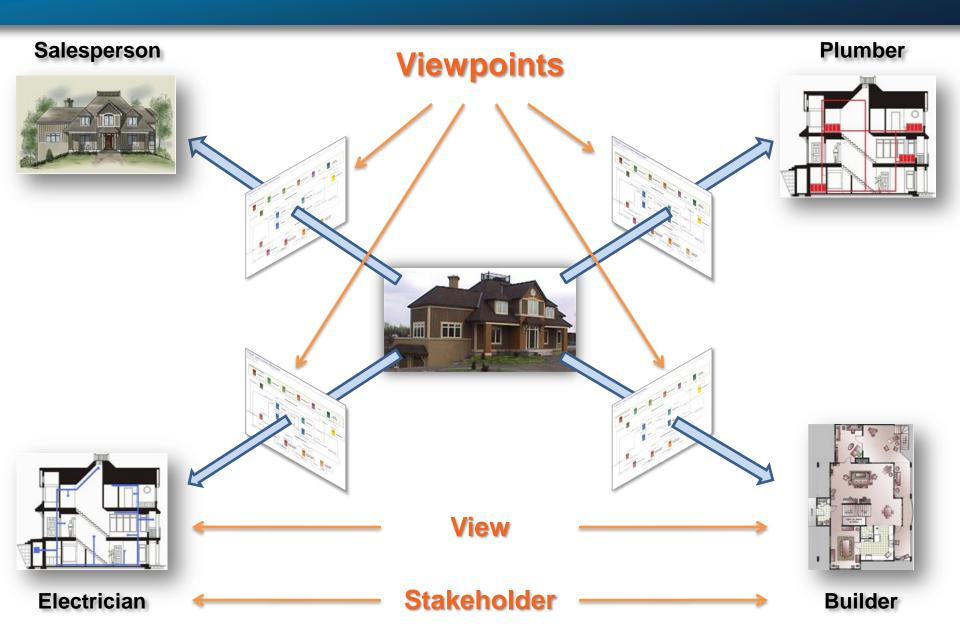
#### **Entities and their Interactions**

#### Select and Customize...



### Viewpoints and Views

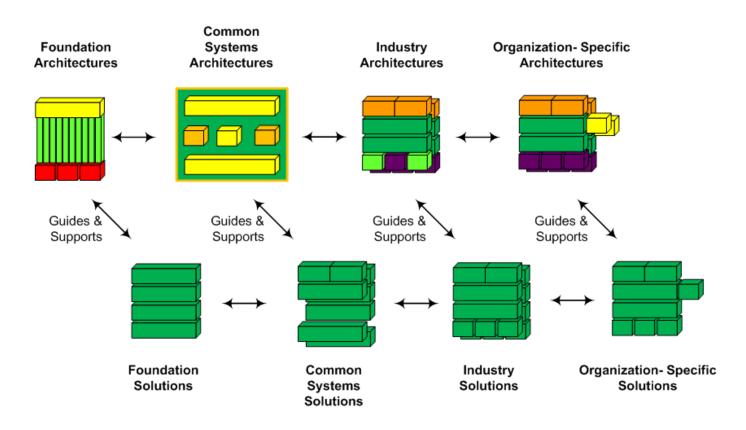
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### **Enterprise Continuum**

#### **A Classification Framework**

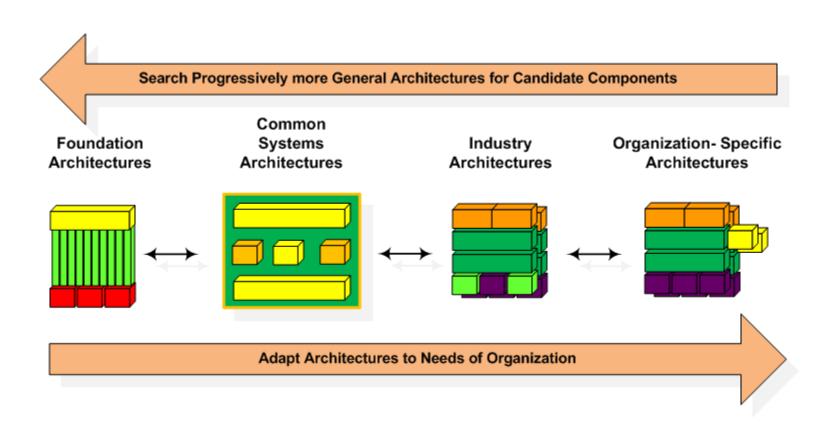
#### **ARCHITECTURE CONTINUUM**

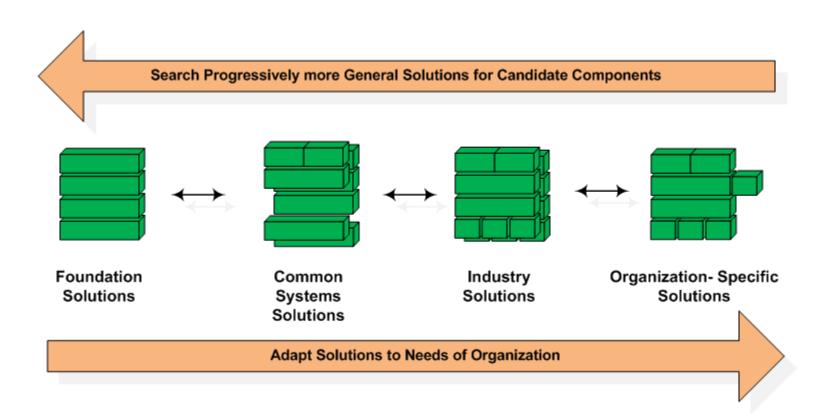


#### **SOLUTIONS CONTINUUM**

#### **Architecture Continuum**

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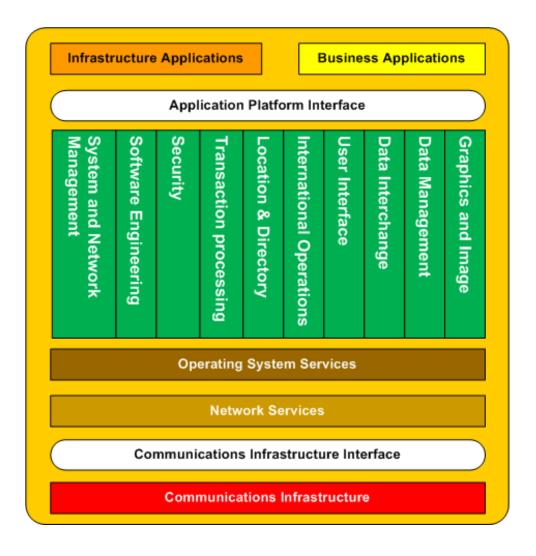


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#### Technical Reference Model

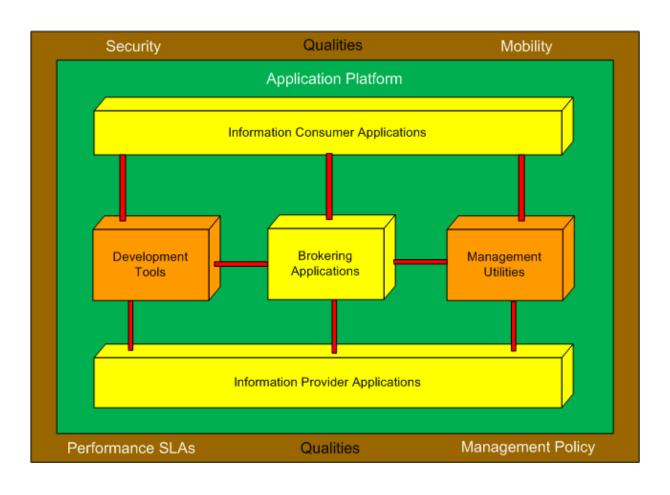
#### A MODEL AND TAXONOMY

of generic platform services



#### **Integrated Information Infrastructure** Reference Model

**MODEL** for business applications and infrastructure applications



### Architecture Capability Framework

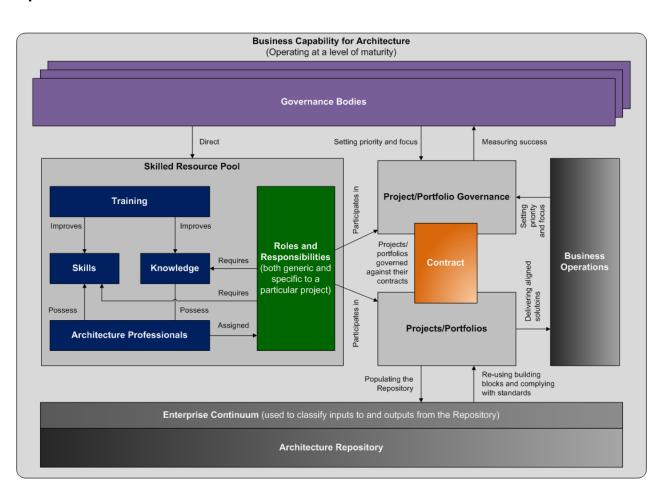


#### **Structured Definition**

**HOW** to establish an Enterprise Architecture Function

**WHO** – Organizations

WHAT - Skills, Roles



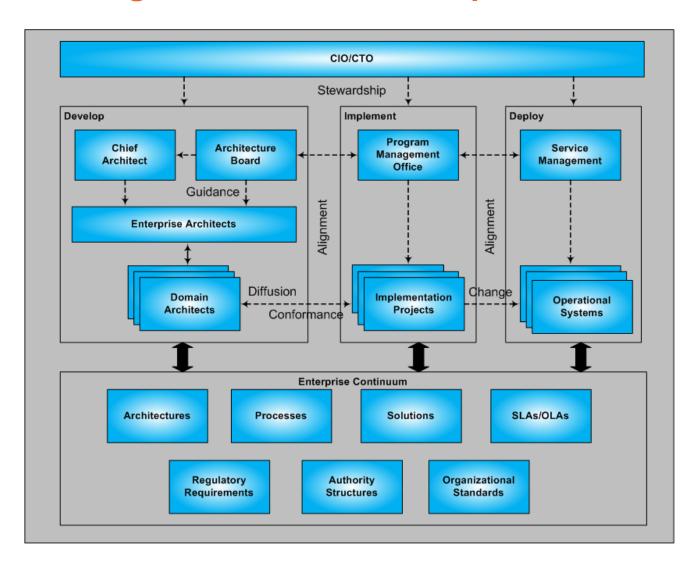
### **Creation and Monitoring of Architectural Components**

**GUIDANCE** 

**EFFECTIVE?** 

**EQUITABLE?** 

**SUSTAINABLE?** 



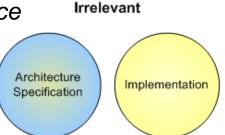
### Architecture Compliance Levels

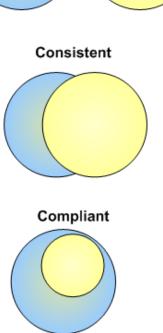
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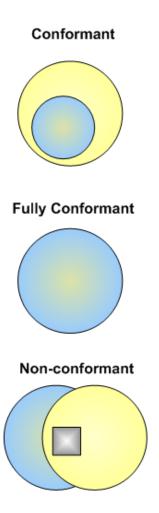
### **Compliance of Projects**

**ESSENTIAL** part of architecture governance

FORMULATE IT compliance Strategy







#### Architecture Skills Framework

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#### **Define**

#### ROLES SKILLS EXPERIENCE

Roles	Enterprise Architecture Business	Program / Project Manager	IT Designer
Architecture Views & Viewpoints Design	4	2	2
Building Block Design	4	2	3
Solutions Modelling	4	2	3
Benefits Analysis	4	4	2
Business Interworking	4	3	1
Systems Behaviour	3	3	2
Project Management	3	4	2

## Job Description: Enterprise Architecture (Business)

#### Skills Required:

Architecture Views & Viewpoints Design: Expert

Building Block Design: Expert Solutions Modelling: Expert Benefits Analysis: Expert Business Interworking: Expert Systems Behaviour: Knowledgable Project Management: Knowledgable

#### Measure

## STAFF DEVELOPMENT RIGHT FIT

#### The Modules of TOGAF9

- The ADM
  - Steps to Develop an Enterprise Architecture
- ADM Guidelines and Techniques
  - Support application of the ADM
- Architecture Content Framework
  - Detailed model of architectural work products
- The Enterprise Continuum
  - Model for structuring a virtual repository, classification framework
- TOGAF Reference Models
  - Technical Reference Model; Integrated Information Infrastructure Reference Model
- The Architecture Capability Framework
  - Structured definition of organizations, roles and responsibilities to establish and operate an Enterprise Architecture

#### ... and Much More

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#### **Get a Live Product Demonstration**

For a more information on TOGAF9 and its application in the iServer TOGAF9 Quick Start Solution, register for an iServer Demonstration.



A web demonstration is free and will only take an hour of your time!

One of our experienced process consultants can demonstrate the software to you using a repository based on the TOGAF9 Framework.

To book your demo, please send us an email and we will contact you to build your meeting agenda.