

KAOSTAN FIRSATA

Simplifying Complexity with Enterprise Architecture

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AGENDA

CRITICAL BUSINESS CHALLANGES

ENTERPRISE ARCHITECTURE

IBM SOLUTION

Success Stories

Q & A

BM yazılım 10

Organization is not aligned with vision/mission/KPI.

Organizational structure or capabilities do not match with the technology we acquire.

Companies have difficulty understanding the impact of a change.

After the restructuring either the business processes do not work or technology fails.

Operational/business processes are inefficient.

Companies procure system that do not integrate.



Enterprise Architecture Helps

BM yazılım zirvesi

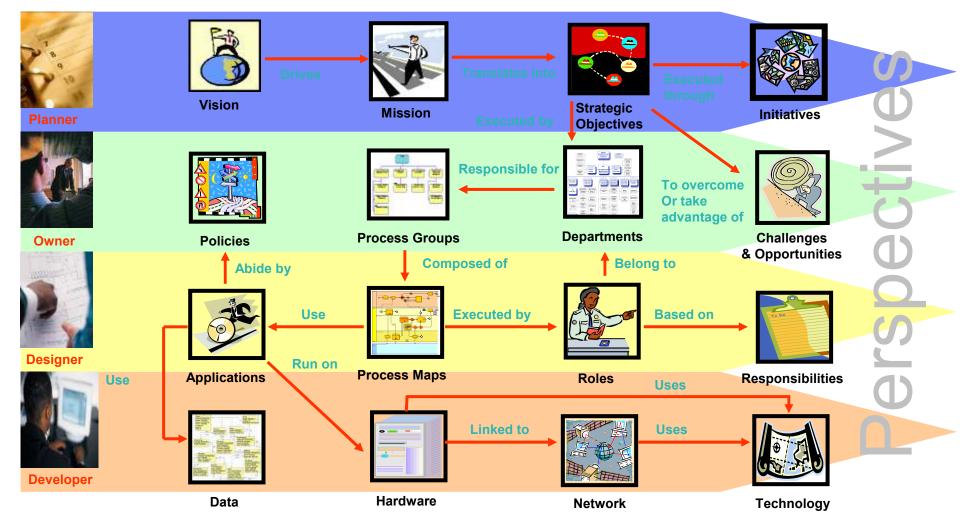
- Enterprise Architecture is the description of the current and/or future structure and behavior of an organization's processes, information systems, personnel and organizational sub-units, aligned with the organization's core goals and strategic direction.
- The primary purpose of creating an Enterprise Architecture is to ensure that business strategy and IT investments are aligned. As such, enterprise architecture allows traceability from the business strategy down to the underlying technology.
- Enterprise Architecture relates more broadly to the practice of business optimization in that it addresses business architecture, performance management, organizational structure and process architecture as well.





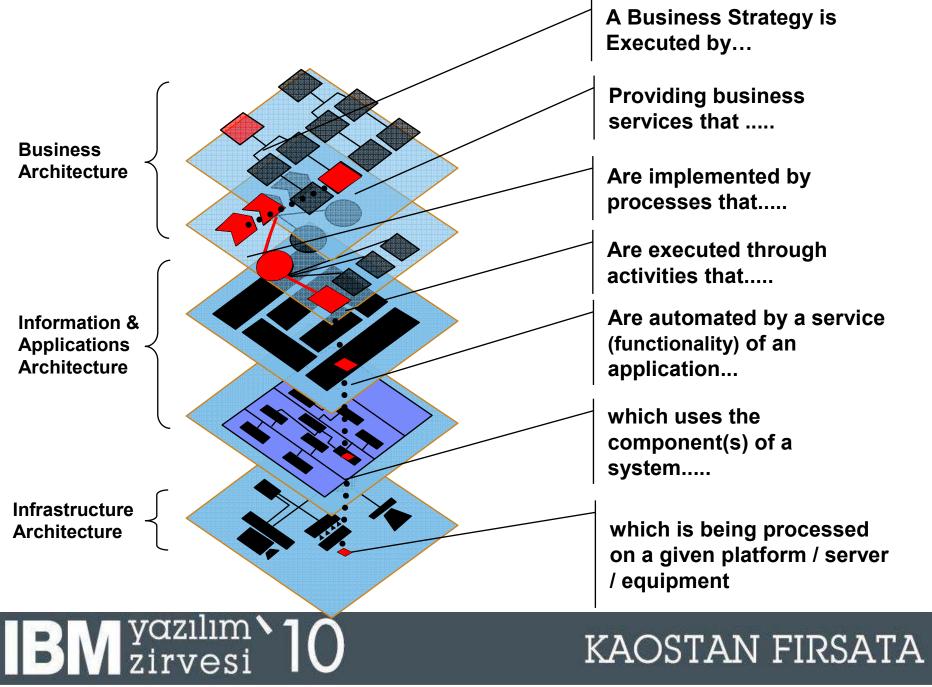
ENTERPRISE INFORMATION ENTITIES

yazılım zirvesi



Organizations create and consume information as part of their planning, management, execution and delivery activities on continuous basis.

DEFINING THE ENTERPRISE



What is EA Planning



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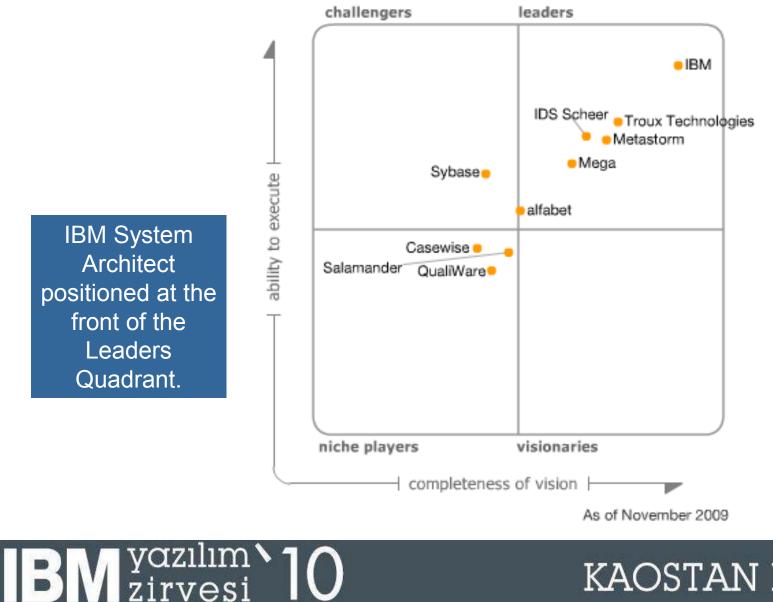
"If you don't know where you are going, any road will take you there" Lewis Carroll

Enterprise Architecture

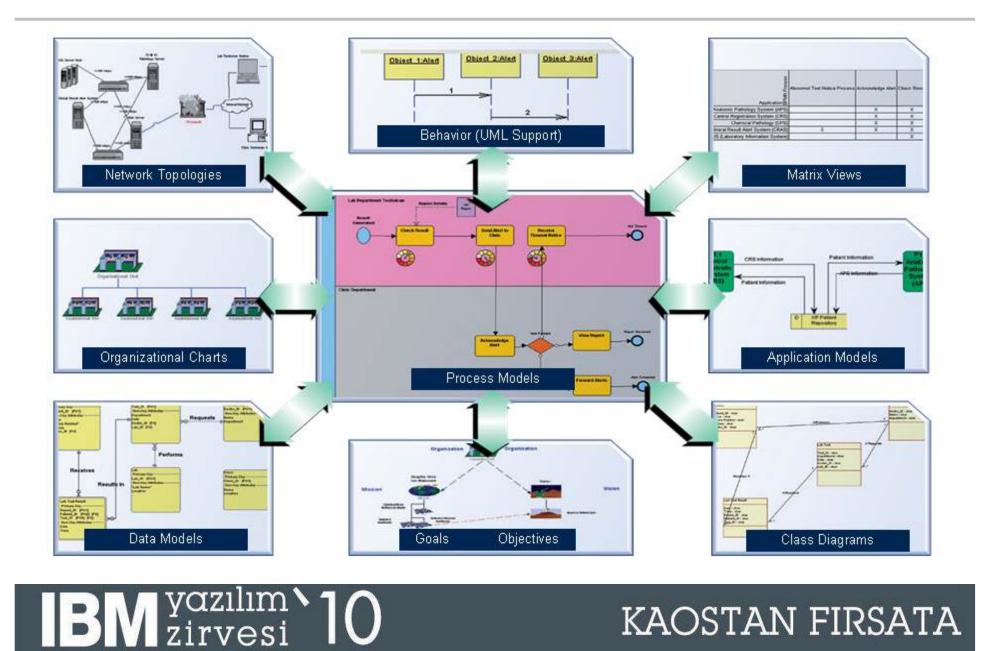




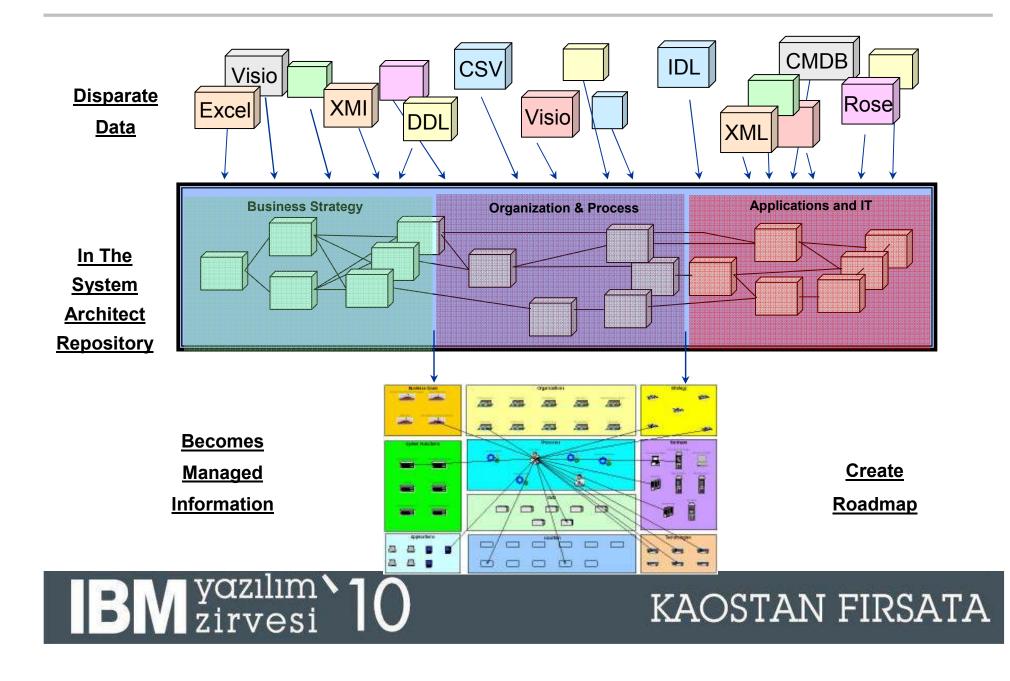
Gartner EA Tools Magic Quadrant



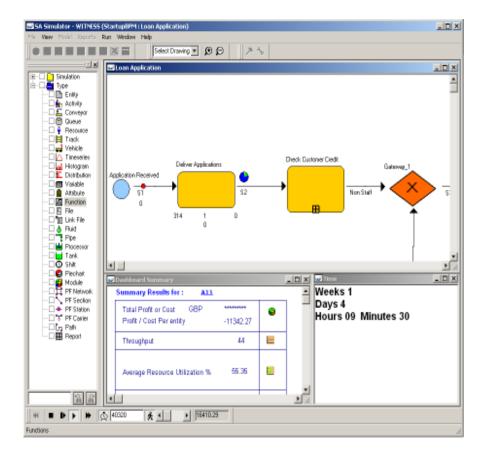
Capture and Model all Domains of the Organization



Create an Organizational Blueprint *Leverage Your Existing Information*



Simulate and Optimize Processes



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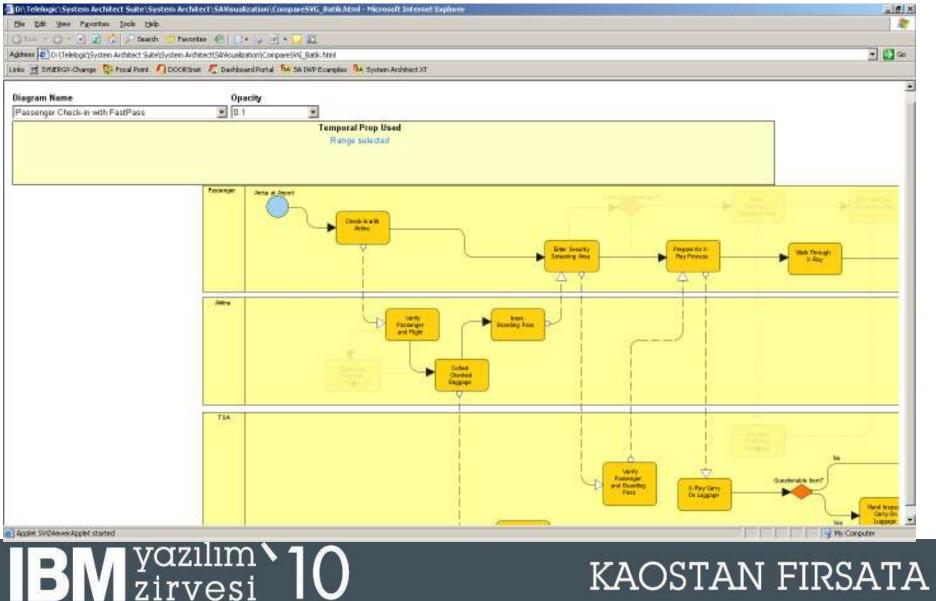
Analyze resource utilization



Determine cost structures

System Architect – NO 1 in Magic Quadrant

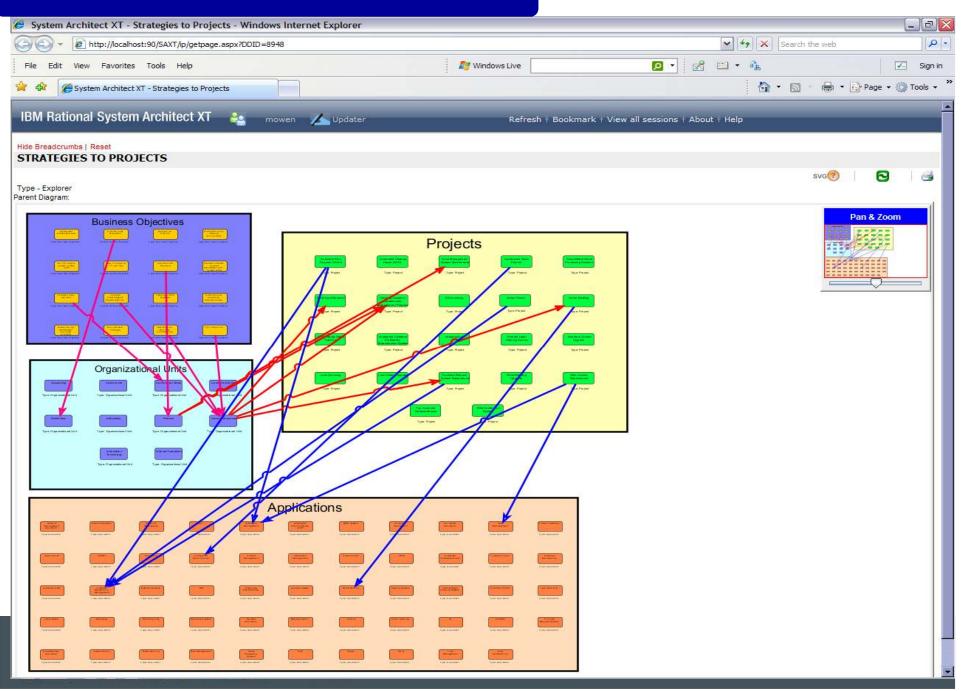
Time Lapsed Visualizations *As-Is/To-Be Transition*



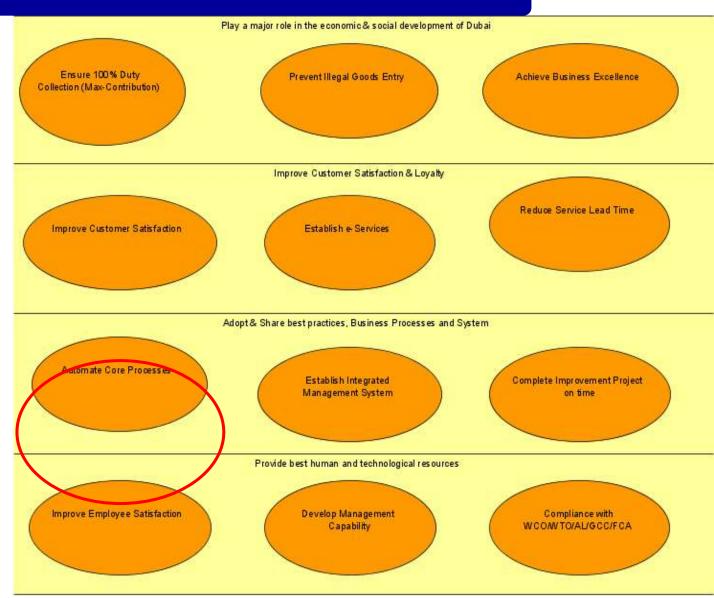
Impact Analysis

🕖 System Architect XT - Process Rationalization - Windows Internet Explorer		
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Lises		
Processes		
Application(s)		

Impact Analysis



Customer – Strategy Map



 This diagram shows the mapping of the Strategic Objectives along the 4 BSC perspectives, adhering to the Balanced Scorecard principles.
 Objective

- Objective "Automate Core Processes" is chosen for further elaboration

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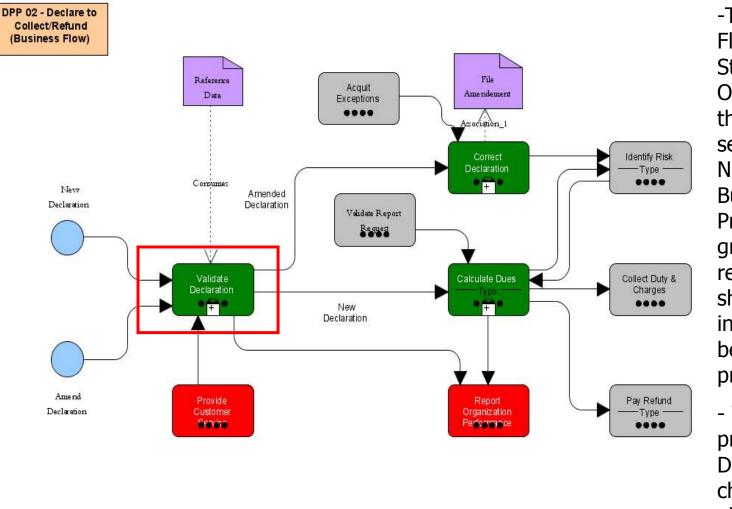
Objective – Automate Core Processes

Performance Measures

Name	Description		Туре	Measu	rent rement Iping	Ownin Organizati Unit		Init of Measure	Related Measurements
DC No of Processes established		KSI		Internal Bu Process	<u>isiness</u>	Dubai Custom	<u>s</u>		2006."DC IP1 2006 Baseline" 2007."DC IP1 2007 Target"
SeaOp No of Processes established		KSI		Internal Bu Process	<u>isiness</u>	<u>Seaports Ope</u>	rations		2007."SeaOp IP1 2007.Target" 2006."SeaOp IP1 2006.Baseline"
Related Strate	gy Map								
				Na	me				
Dubai Customs Strate	<u>qү Мар</u>								
Related BSC Perspective									
	Name			Perspective Type			Description		
Adopt & Share best p Processes and System	t & Share best practices, Business Internal Process								
Related Busin	ess Flows								
	Name			Descr	iption			Process Ster	eotype
DPP 02 - Declare to Co	ollect/Refund		Business Flow						
DPP 04 - Collect to Ac			Business Flow						
DPP 05 - Refund to Se			Business Flow						
DPP 03 -ASSESS RISK	PP 03 -Assess Risk to Clear Involves the process of identifying a risk & Business Flow clearing a risk-free declaration.								
Initiatives									
Name		0)escription		В	usiness Flo	ws	Pro	ograms
DPP					DPP 01 - R	icense to Gove legister to Ident leclare to Collec	ify	RMP	
		'V	um esi		\mathbf{O}_{-}				KAC

-This page shows tabulated information about the strategic objective. It provides a linkage between Strategic and Operational components as observed through the sub reports Related Business Flows and Initiatives.

- The business flow "Declare to Collect/Refund" is chosen as a process that realizes the objective



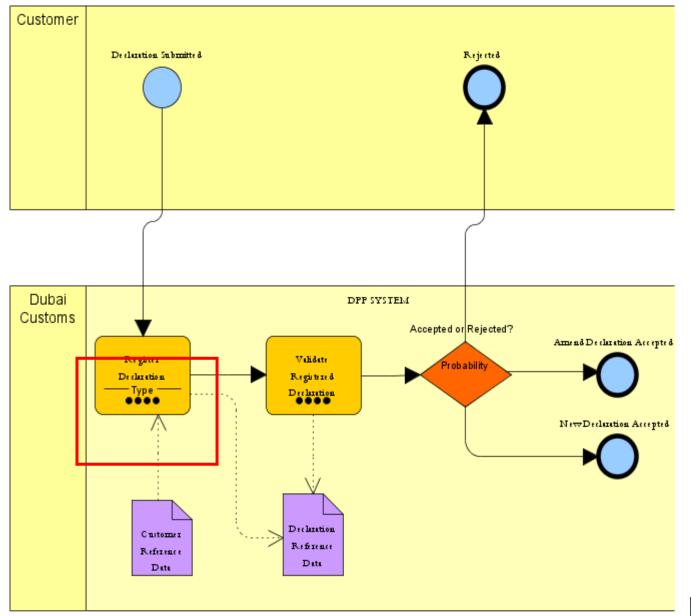
-The Business Flow realizes the Strategic Objective through the execution of a set of Core and Non Core Business Processes. This graphical representation shows the interaction between these processes.

- The business process "Validate Declaration" is chosen for further elaboration

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Process – Validate Declaration

BV zirvesi



-The Business Process is modeled using BPMN, graphically models business events, activities, data objects, locations, and executors in a logical sequence.

-The activity "Register Declaration" is chosen for further elaboration

Parent Business Processes					
Name		Description			
Validate Declaration					
Supporting Use Cases					
Name	Description	ID			
CR02.01 Submit Declaration	This use cases describes the activity of receiving declarations from the customer	CR02.01			
CR02.06 View Declaration	The given use cases describes enquiry of declaration	CR02.06			
Charges					
Transaction Name:	e: Register Declaration - Charges				
Activity Fee: 50					
Transaction Name	Transaction Fee	% of Value			
Import To Local from ROW - Register Declaration	50	5			
Export from CW To FZ - Register Declaration	30	0			
Export from CVV To ROW - Register Declaration	30	0			
Export from Local To FZ - Register Declaration	30	0			
Export from Local To GCC - Register Declaration	30	0			
Export from Local To ROW - Register Declaration	30	0			
FZ Transit in - Register Declaration	50	0			
FZ Transit Out - Register Declaration	50	0			
Import for Re Export to Local from CW- Register Declaration	75	5			
Import for Re Export to Local from FZ- Register	75	5			

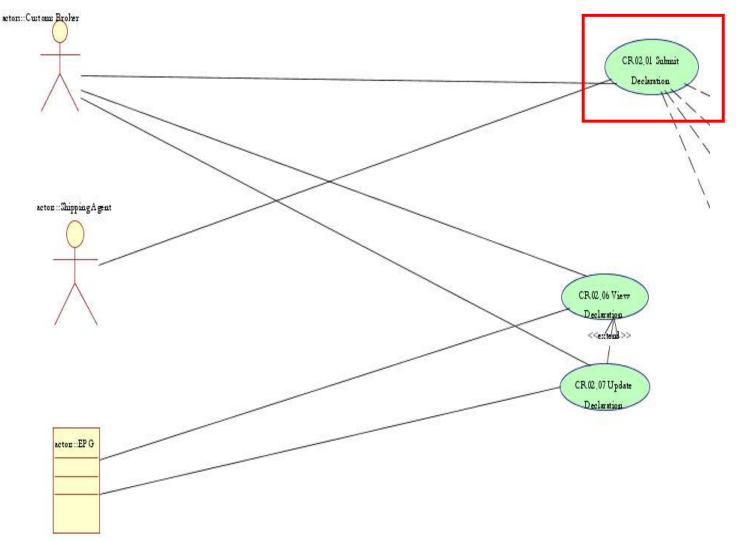
- Activity attributes include Inputs, & Outputs (in terms of Data Objects), Volumes, Actors, Location, KPIs, **Business Rules**, Tasks, and supporting Use Cases that capture functional requirements for automating that activity in UML format.

-The use case "Submit Declaration" is chosen for further elaboration

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Use Case Model – Submit Declaration

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- Use Case Diagram modeled in UML showing the interactions between Actors and Use Cases

-The use case "Submit Declaration" is chosen for further elaboration

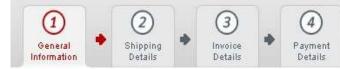
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Software Artifacts				
Name	Artifa	ct Type	Description	
Name DEC_SubmitDeclaration001 - General Information Customs Declaration	interface	сі туре	Description	
DEC_SubmitDeclaration013 - Shipping Details Customs Declaration	interface			
DEC_SubmitDeclaration006 - Invoice Details Customs Declaration	interface			
DEC SubmitDeclaration002 add invoice ex - Invoice item Entry	interface			
DEC SubmitDeclaration005 invoice header - Invoice Header List	interface			
DEC_SubmitDeclaration003_add_item_ex - Add Invoice detail item	interface			
DEC_SubmitDeclaration009_item_add_ex-Added Invoice detail item list	interface			
DEC SubmitDeclaration009 item show vehicle details - Add Vehicle details	interface			
DEC_SUBMITDECLARATION011_PAYMENT_EX - PAYMENT DETAILS CUSTOMS DECLARATION	interface			
DEC_SUBMITDECLARATION014_CONFIRM_EX-CUSTOMS DECLARATION CONFIRMATION	interface			
System Domains				
Name			Description	
Declaration			les functionality related to a declaration such as submitting tion; submit Temporary Admission Extension request, etc.	
Use Case Diagrams				
Name		Description		
Declaration Processing - Release 1				
Use Case Realization Diagrams				
Name	Realizat	tion Type	Description	
CR02.01-05 Declaration Clearance UCRD Alternative Flow	Use Case Realization Diagram	1		

-This Use Case represents a functional requirement captured as part of an SDLC project to build an application supporting the modeled Business Flows and Processes.

- A screen shot of the user interface developed to automate the selected activity will be shown in the next slide

User Interface Screen Shot



You are currently creating Customs Declaration.

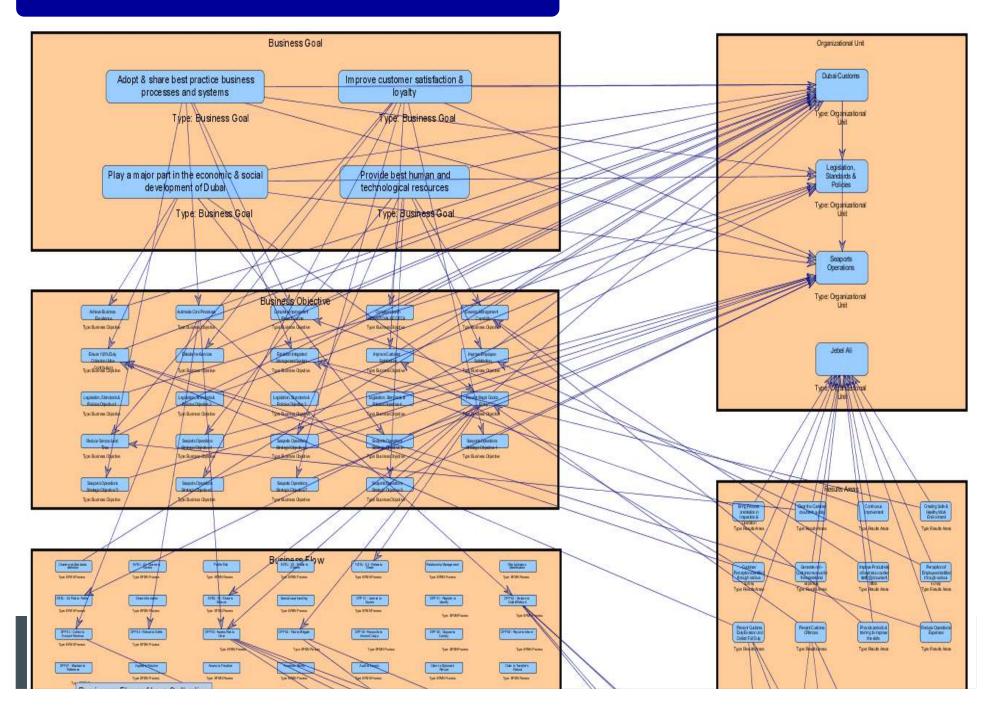
Please complete the form below. Fields marked with an asterisk * are required.

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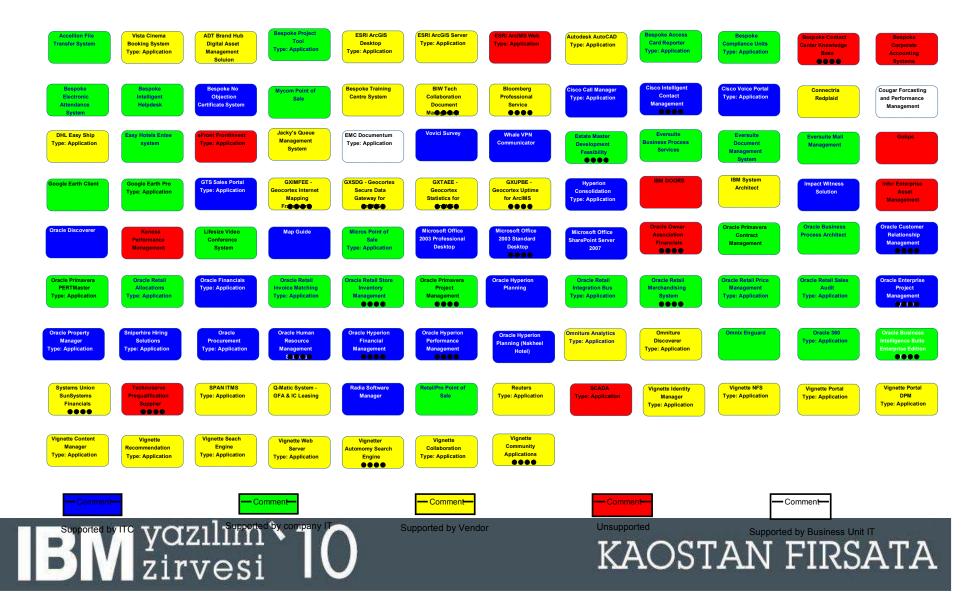


-The user interface was developed based on the use case specifications detailing the screen functionalities needed

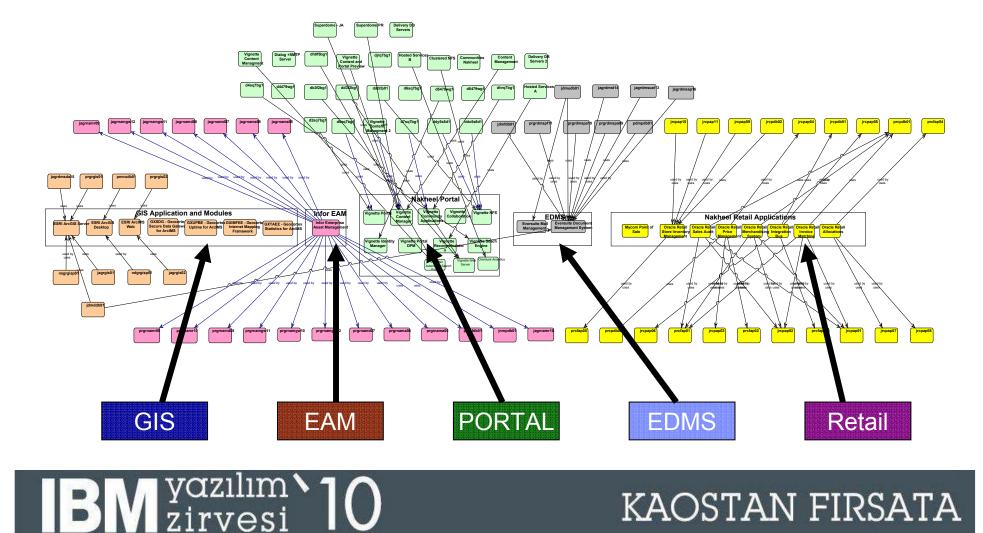
Impact of Changes across the enterprise



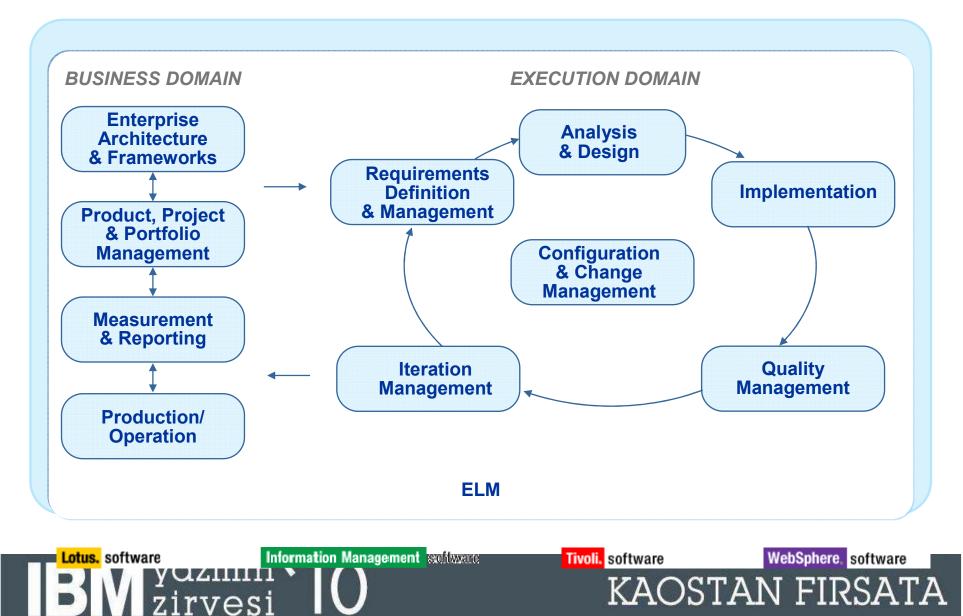
The 110 applications used within the large group are managed through multiple support groups



Only 5 applications consume the resources of 102 servers across **4 physical locations**

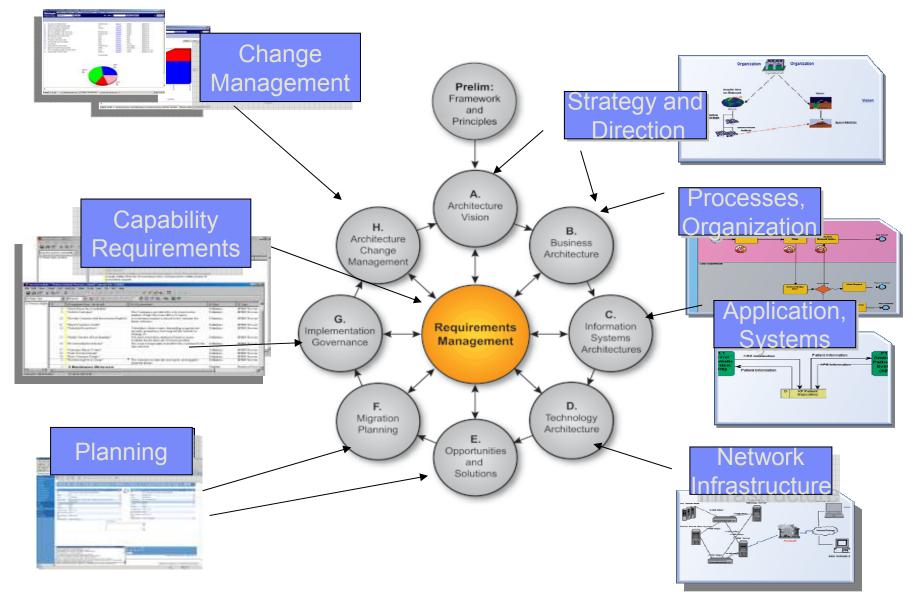


Enterprise lifecycle management in action—helping to connect vision with delivery



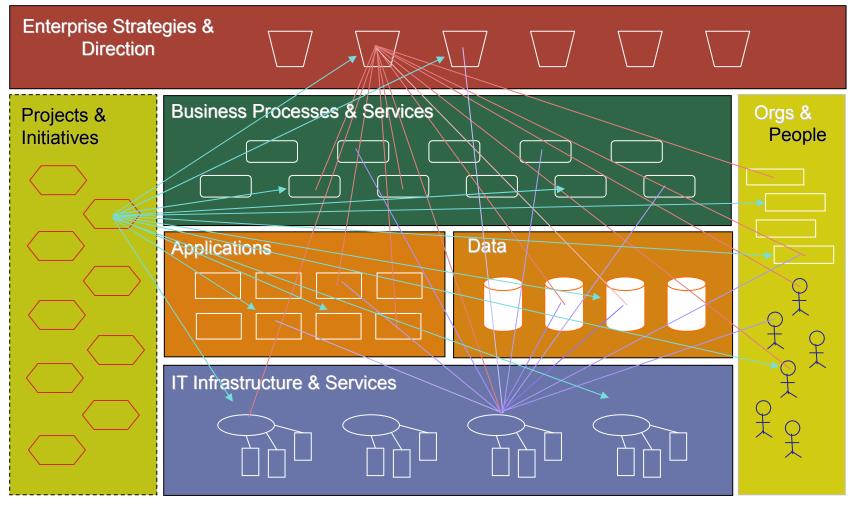
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TOGAF ADM

Visualize the Organization



With SA you can manage key EA components as projects and initiatives!

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SA

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