

# Enterprise Architect Florida Summit 2005

Facilitating Agility in Enterprises for  
real-world business problems

Ramani Vaidyanathan  
Principal, BEA Systems

## AGENDA

- 1 Business & IT Challenges and their Solution-"Agility"
- 2 Enterprise Architecture as a function of agile architectures
- 3 Methodology and Governance principles as dictated by agility
- 4 Best practices / Recommendations

©2005 BEA Systems, Inc. | 2

## Business Domain – The Challenge

©2005 BEA Systems, Inc. | 3

## Technology Domain – The Challenge

©2005 BEA Systems, Inc. | 4

## Real-world business problems

- You need to build personal computers in 24 hours
- You want to refresh your data warehouse in one hour
- You have to center call center enquiries within 10 seconds
- You better maintain a single view of your customer across the board
- Challenges in Order: "High cost/investment in new systems and processes", "Lack of necessary staff skill sets", "Disconnect between IT department and business units", "Intractable legacy systems", "Poor project management" (CIO Research: 08/2004)
- You want to track inventory levels online and derive supply chain visibility
- You want to roll out products and services quickly and sustain competitive advantage

And many more.....

©2005 BEA Systems, Inc. | 5

## The Solution: Agile Principles and Enablers

Agile IT systems are: Well-behaved, event-enabled, highly leveraged, Responsive, Flexible, .....

### Agile Principles

- Reduce Business Process Execution time
- Adapt to environmental shifts
- Extend application systems quickly
- Implement multi-channel applications
- Direct IT budgets for new functionality
- And more.....

### Agile enablers

- Business Process Optimization
- Service oriented applications
- Centralized Data Management
- Robust, scalable and secure network
- Enterprise Integration Platform infrastructure
- IT program and process management skills
- Center of Excellence
- Etc.

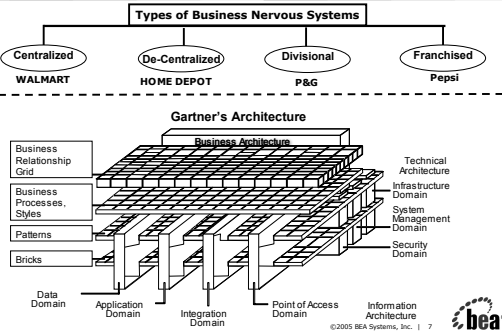
➔

### produce BASICS

- Business Velocity
- Application quality
- Solution Flexibility
- Information Visibility
- Cost Savings
- System Efficiency

©2005 BEA Systems, Inc. | 6

## Agility requires understanding of business forces on architecture choices



## AGENDA

- 1 Business & IT Challenges and their Solution-Agility
- 2 Enterprise Architecture as a function of agile architectures
- 3 Methodology and Governance principles as dictated by agility
- 4 Best practices / Recommendations

©2005 BEA Systems, Inc. | 8

## Where is Enterprise Architecture today?

"Enterprise architecture is not just about mapping and standardizing hardware and software anymore. Now it's about services, events and-get this-good old ROI" - CIO.com, Mar 05

Still:

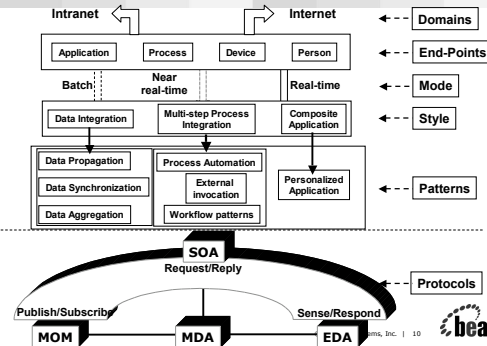
- Requires frameworks, guidelines, tools and methodologies
- Enterprise Architecture is still a very complex and involved undertaking
- Requires strong collaboration and executive-level support
- Technology to PPP (People, Processes, Politics) = 20:80

Enterprise Architecture requires multiple architecture views to be expressed as a function of SOA, EDA with MDA as a potential link in between, to bring agility

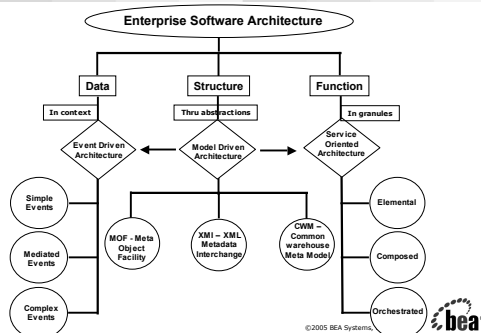
"The role of an enterprise architecture is to provide a decision framework, in the context of the business strategy, for the use of technology in the enterprise" -- Gartner

©2005 BEA Systems, Inc. | 9

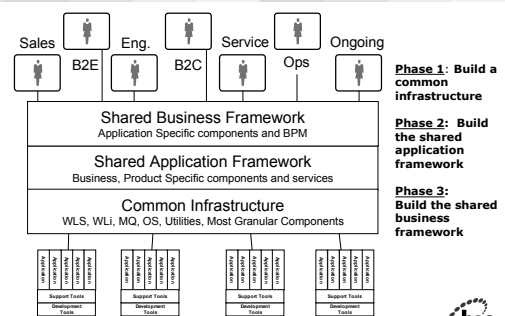
## Integration domain of EA involves multiple levels of Integration and have common referential dimensions



## Agility commands the appropriate combinational use of SOA, EDA and MDA

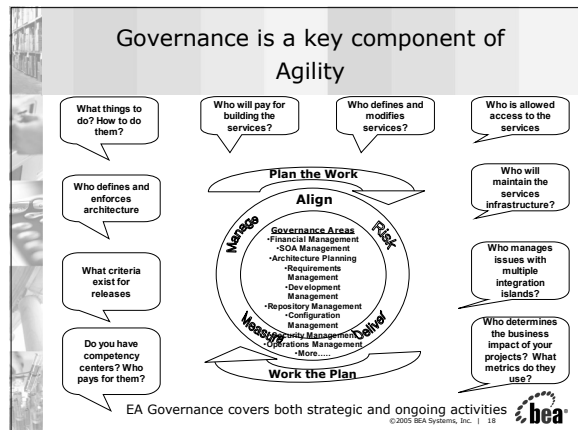
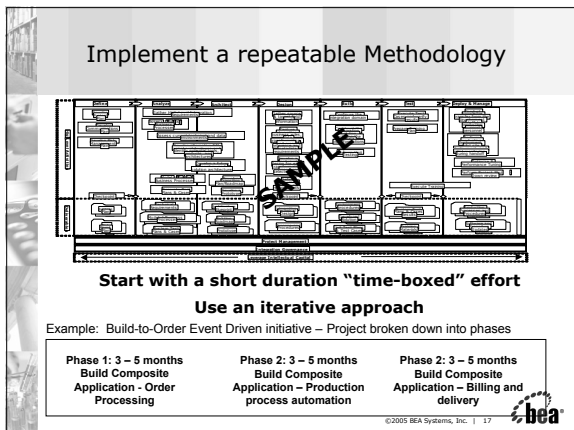
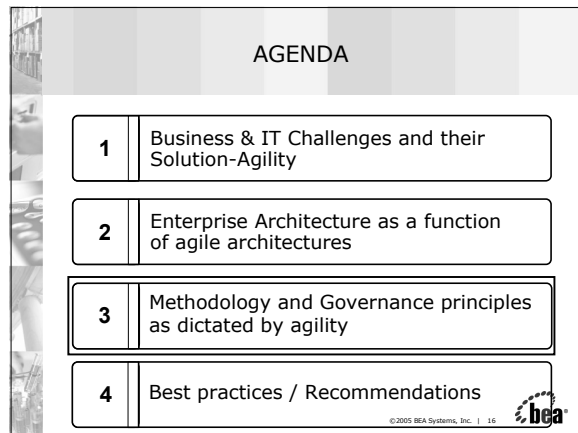
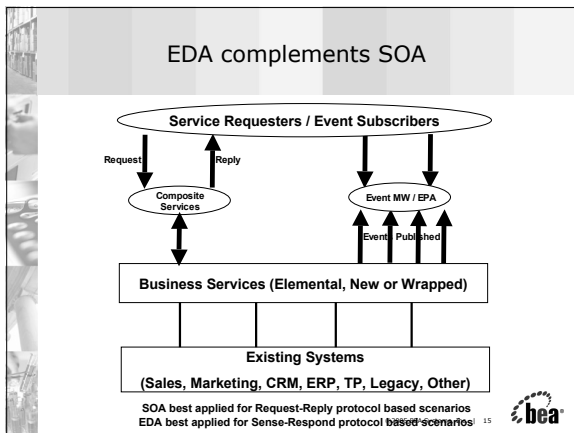
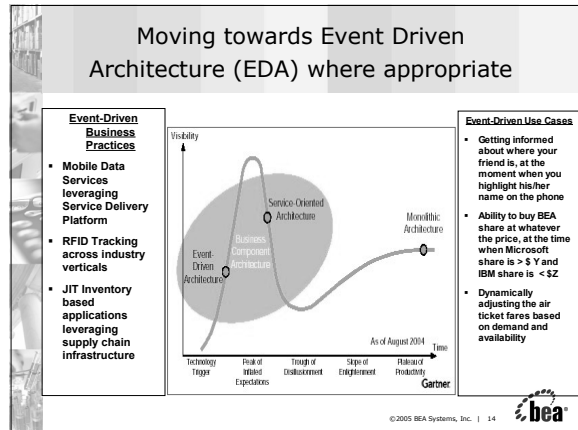
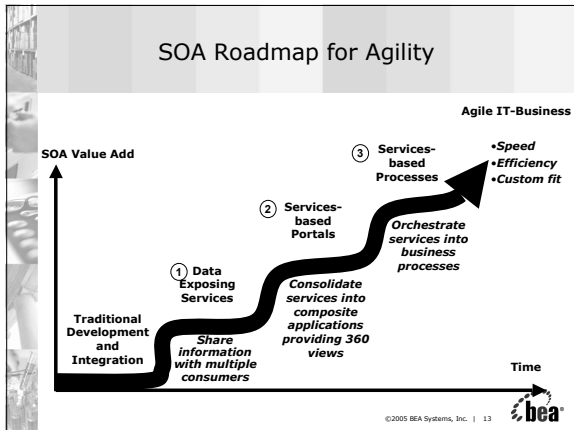


## SOA enables business agility



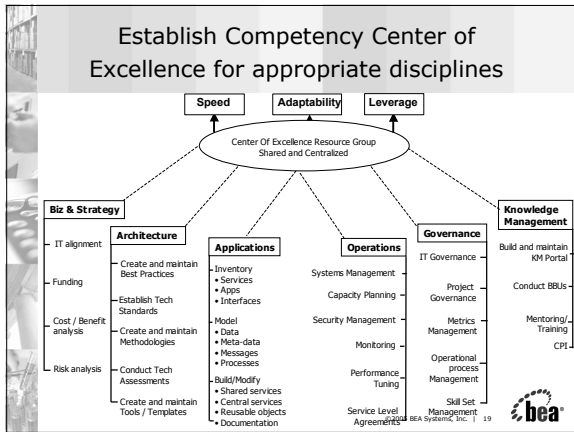
Ramani Vaidyanathan

Enterprise Architect  
Summit 2005



**Ramani Vaidyanathan**

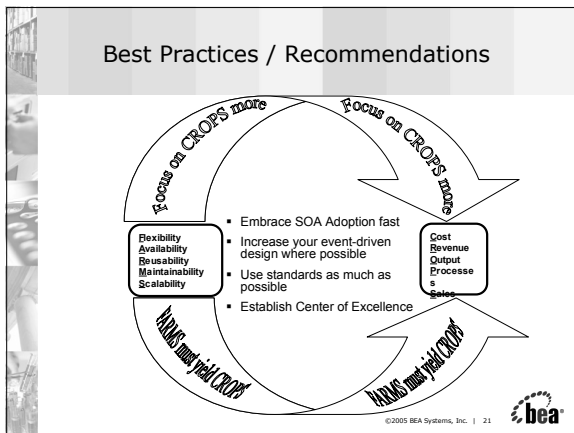
**Enterprise Architect Summit 2005**



### AGENDA

<b>1</b>	Business & IT Challenges and their Solution-Agility
<b>2</b>	Enterprise Architecture as a function of agile architectures
<b>3</b>	Methodology and Governance principles as dictated by agility
<b>4</b>	Best practices / Recommendations

© 2005 BEA Systems, Inc. | 20



# Thank You

**Ramani Vaidyanathan**  
 Principal Business Consultant  
 BEA Systems  
 rvaidyan@bea.com

© 2005 BEA Systems, Inc. | 22