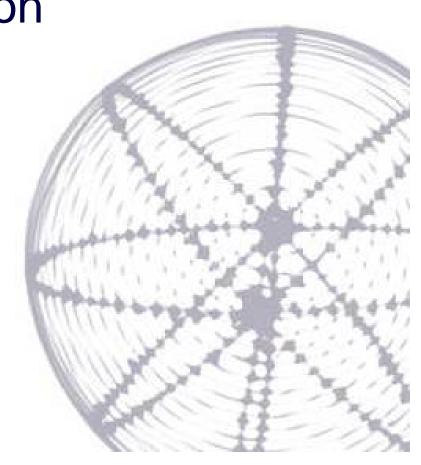


Principles based architecture federation and integration

**Christopher Blake Managing Consultant** 

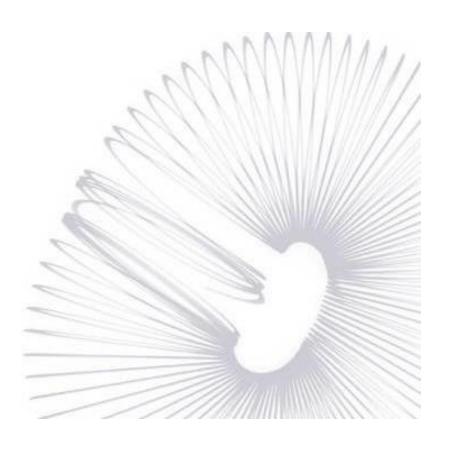
23<sup>rd</sup> October 2003





## Top issues or IT Management (Meta Group)

- Business & IT Alignment
- Value Management
- Leadership
- Operational Excellence
- Human Capital Development
- Adaptive Infrastructure



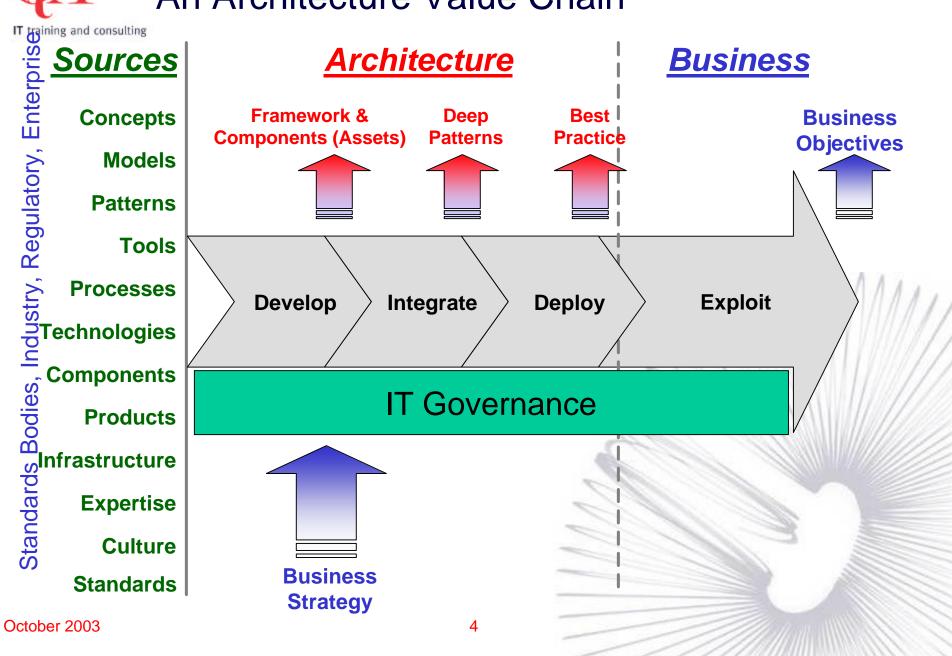


## Why integrate?

- To achieve balance between value and risk
- To contain cost
- To align business and IT architectures
- To enhance operational capability
- To focus efforts of skilled resources



### An Architecture Value Chain





## Inter and intra enterprise integration issues

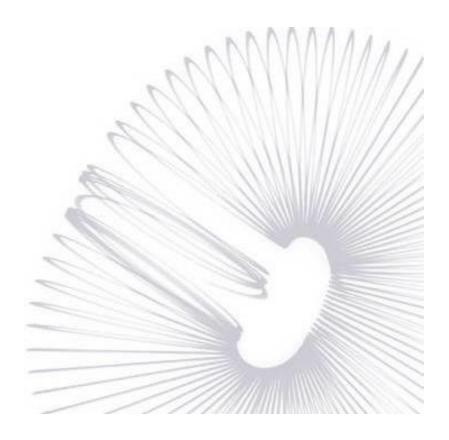
- Separately developed architectures
- Different methodologies
- Different scopes
- Different products and deliverables
- Different formats and structure
- Lack of completeness
- Lack of standards
- No common language
- ... etc.

## within and between enterprises



## What do we integrate?

- Principles
- Models
- Standards
- Current inventory



October 2003

## Integration

IT training and consulting

#### **Tactical**

**Many components Overlap Duplication** Focussed on task or organisation or geography



### Strategic

Provide a service where and when required in a dynamic business environment

Ability to search for opportunities to provide services in a more cost effective, consistent manner



### **Transverse**

Take a slice through the enterprise and apply an application or integration component Requires identified architecture to support this capability Assess capability for deployment



Need to understand the fit to strategic architecture framework i.e. where things are applied and implemented



**Business Architecture Application Architecture Information Architecture Technology Architecture IT Operational Model** Governance **Implementation Management** 



### **Fragmented**

Service provision is fragmented Level of fragmentation:

- 1) products
- 2) implementation



### Integrated

Select and integrate components for maximum leverage and reuse of investment

Requires standards for physical componentry which allow us to assess variances in processes to provide a migration path

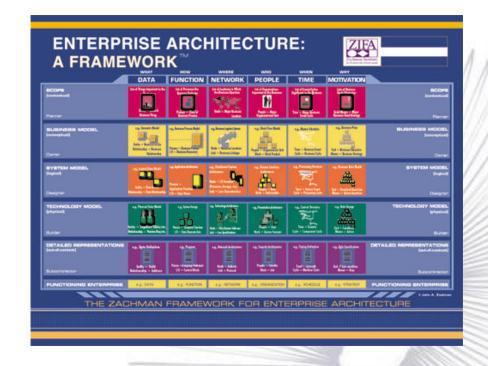


**AS-IS** TO-BE Power from development of architecture



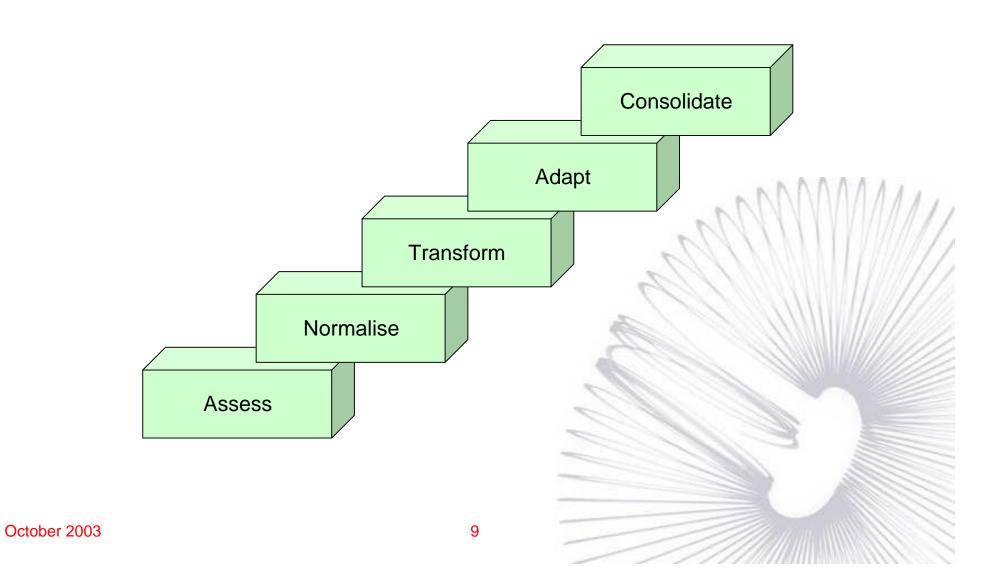
## Where do we integrate?

- Use Zachman Framework as a basis
- Business
  - Process and organisation
- Information or data
- Applications
- Security
- Technology
- Operational model
- Governance





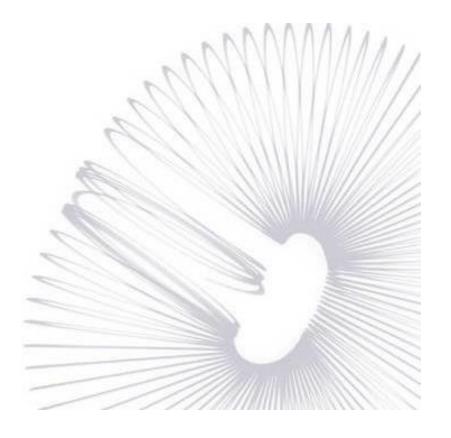
## How do we integrate?





## When do we integrate?

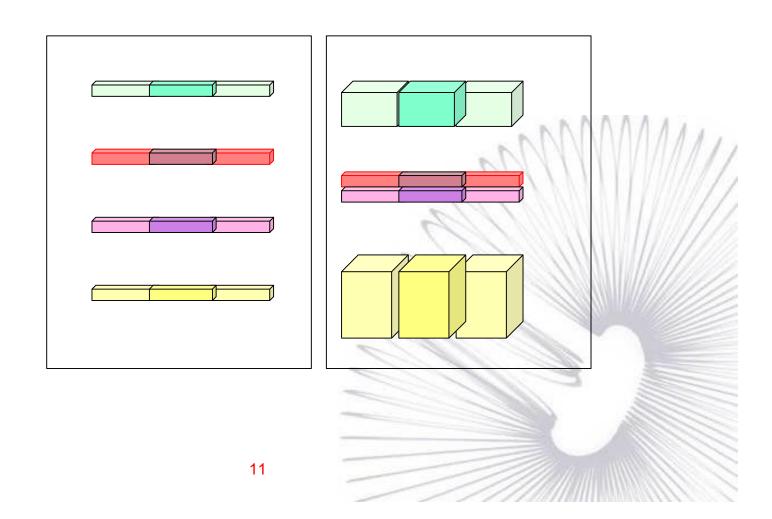
- Business rationalisation
- Merger and acquisition
- Outsourcing initiative
- Technology change





## Integration Scenarios – Merger or Acquisition

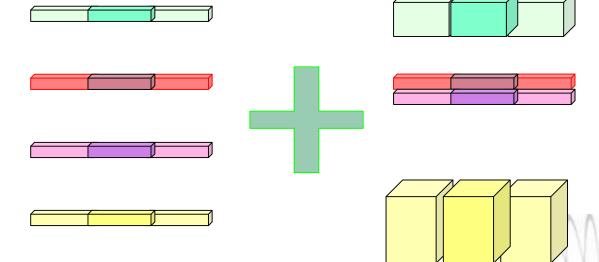
- What do we merge?
- Assess



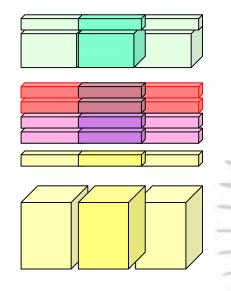


## Integration Scenarios – Merger or Acquisition

What do we replace?



Normalise

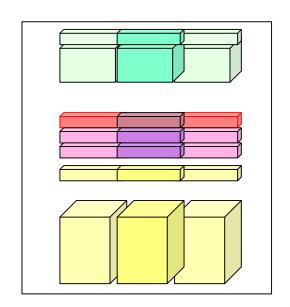


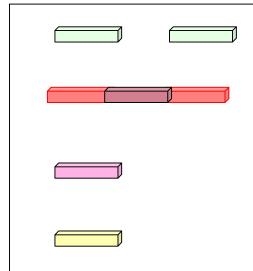


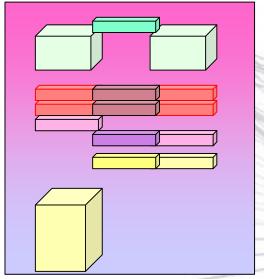


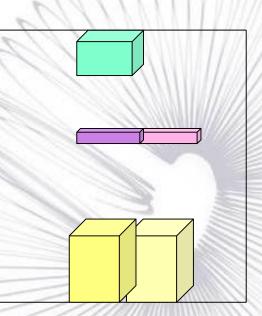
## Integration Scenarios – Merger or Acquisition

- What do we replace?
- Transform
- Adapt
- Consolidate







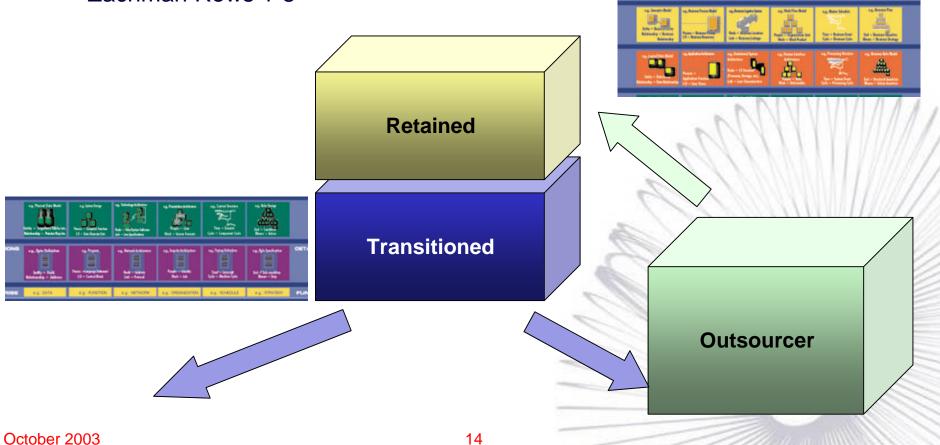


October 2003



## Integration Scenario - Outsourcing

- Replacement
- Where do we draw the line?
- Zachman Rows 1-3





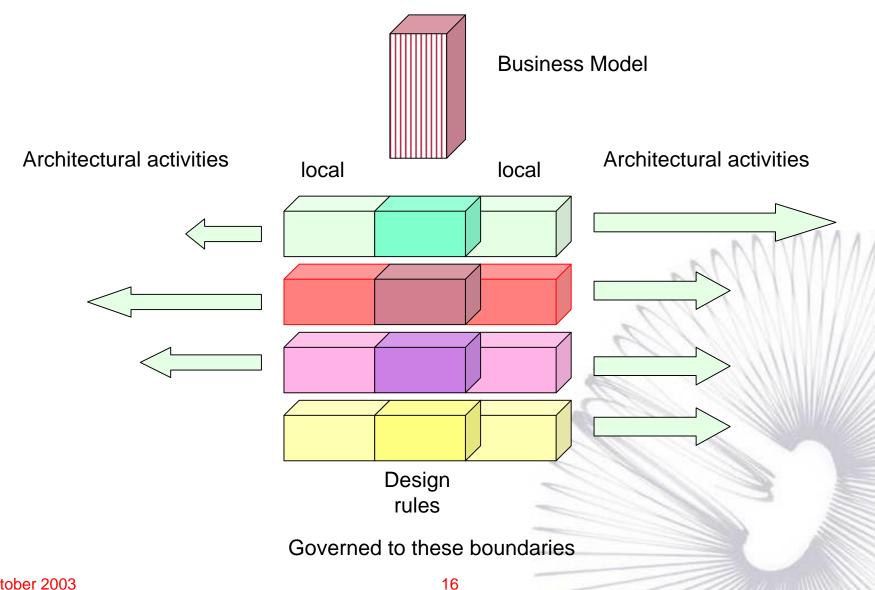
# Integration Scenario – Rationalising to a business model – how do we align?

- Define the footprint of each architecture
  - Develop, integrate, deploy & exploit activities
- Investigate external instances
- Identify forces for change in each architecture domain
- Align Enterprise Architecture to the business model
- Merge or replace stuff
- Define and manage the boundaries through Governance

October 2003



## Architectures aligned to a business model

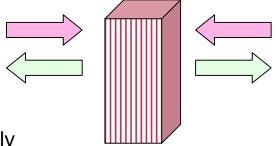


October 2003

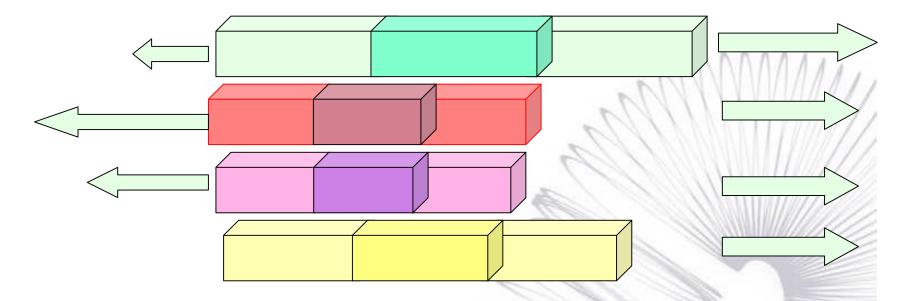


## Architectural activity and exterior forces

**Business Model Changes** 



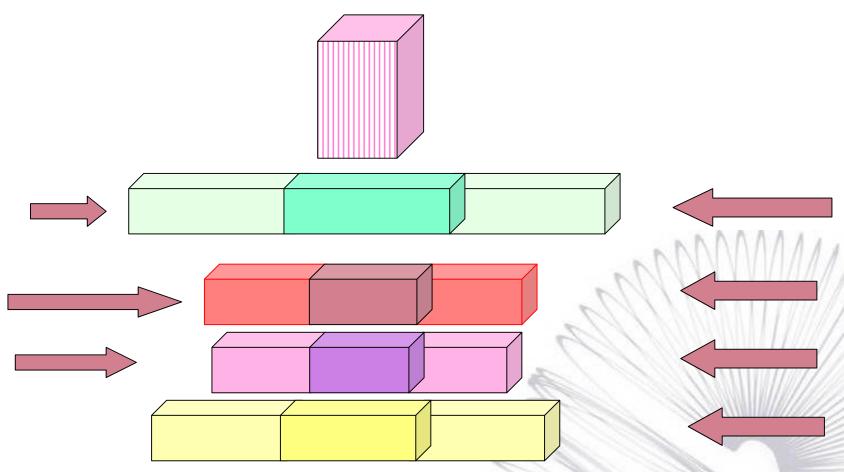
Architectures develop differentially



Business model no longer well supported



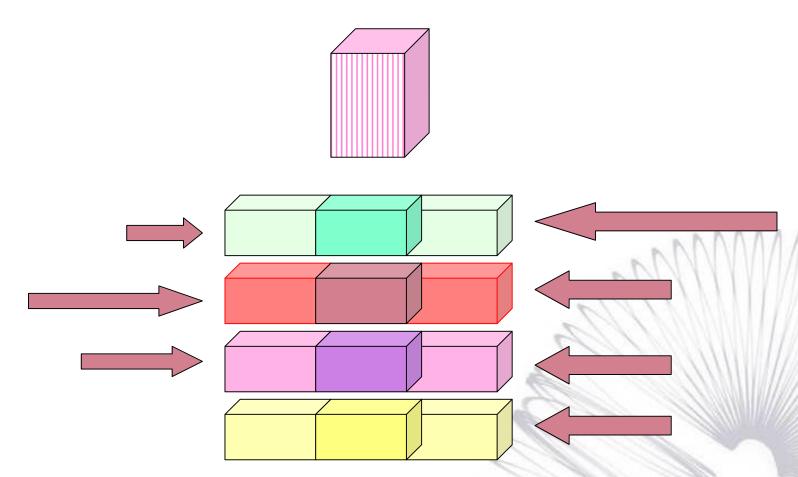
## Architectural alignment



Governance and integration process applied to realign architectures



## Govern to the business model

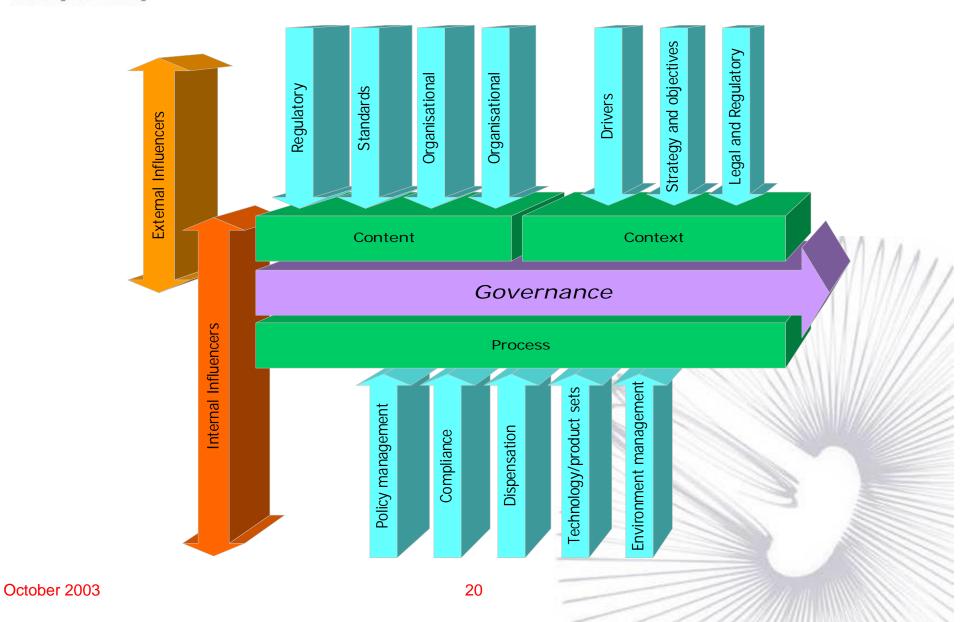


Strong governance realigns architecture to changed business model accommodating external forces



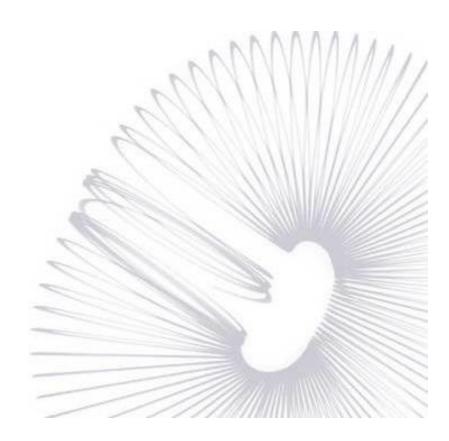
## Positioning Governance

IT training and consulting





- Christopher.blake@qa.com
- Alan.simmons@qa.com
- Eric.smith@qa.com
- www.qa.com



October 2003 21