SOA Governance und wie ein SOA Registry/Repository Ordnung bringt

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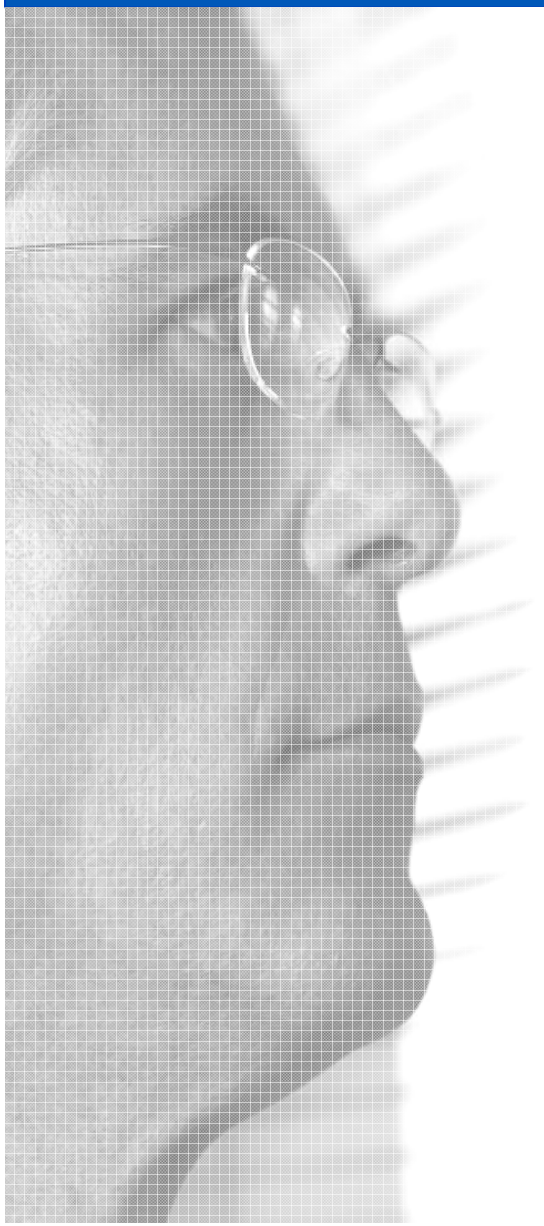
THE XML COMPANY

crossvision
success integrated

Drivers for SOA adoption

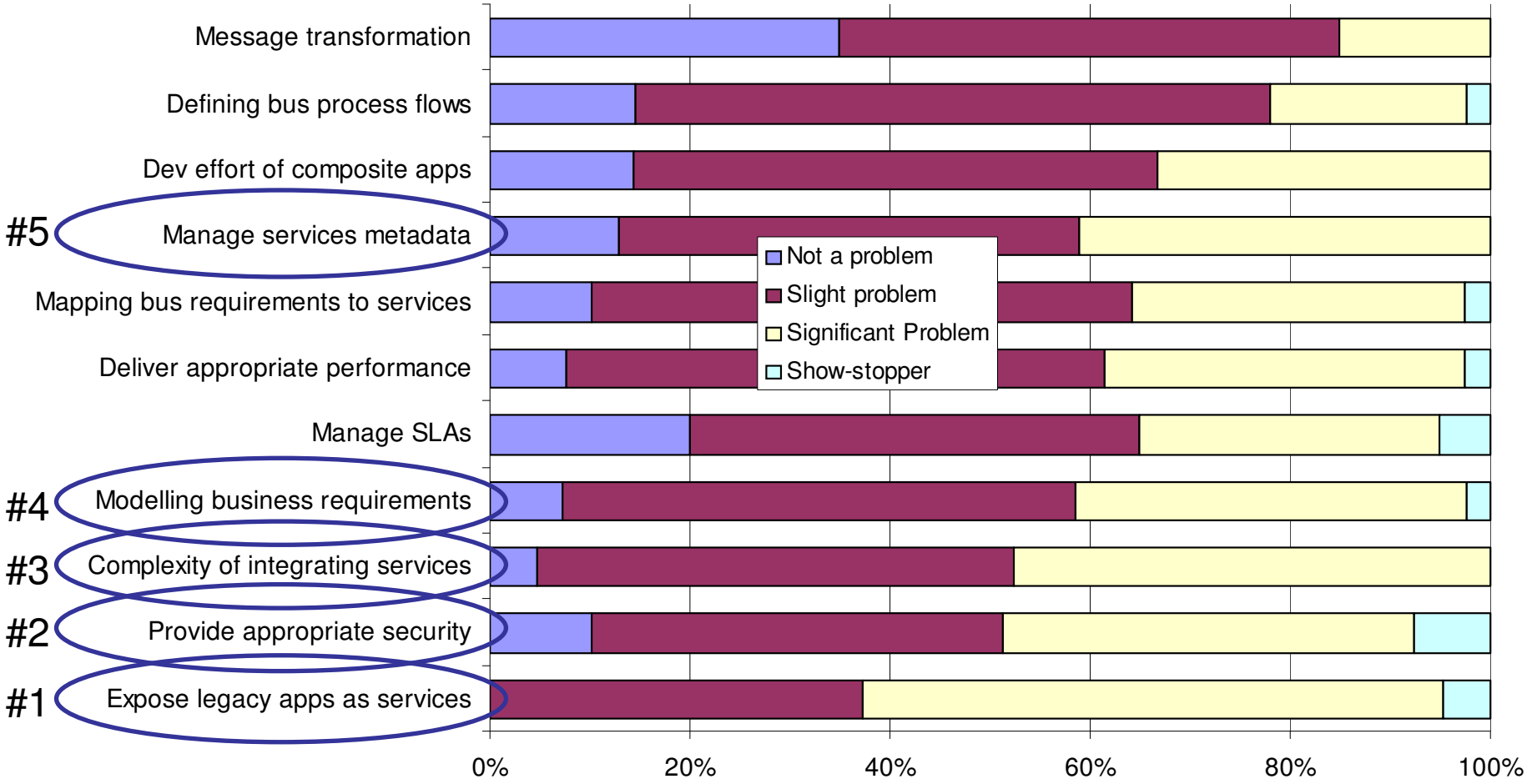


- **Business Goals for SOA Projects**
- Increase business agility
- Regulatory compliance

- **IT Goals for SOA Projects**
- Re-use of applications and legacy systems
- Reduction in the cost of integration

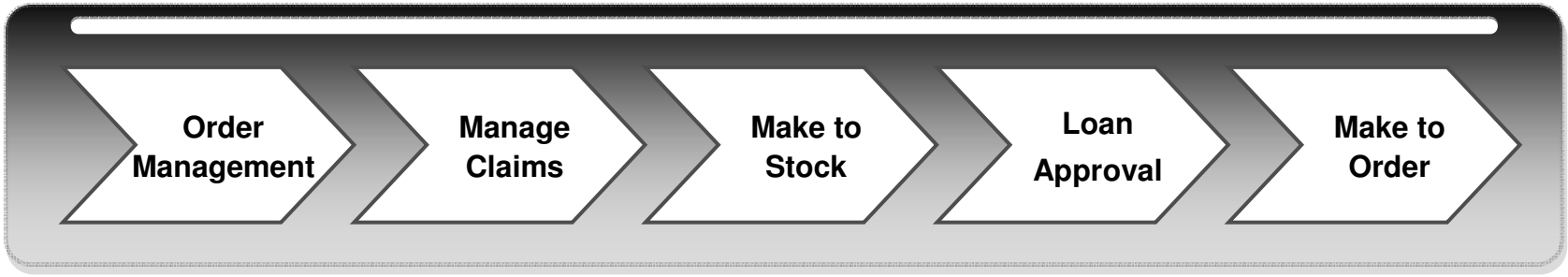
- **Adaptive Enterprises need flexible processes**
- **Agile IT is key to achieve flexibility and adaptability**
- **IT needs to leverage the existing infrastructure**

SOA Implementation challenges

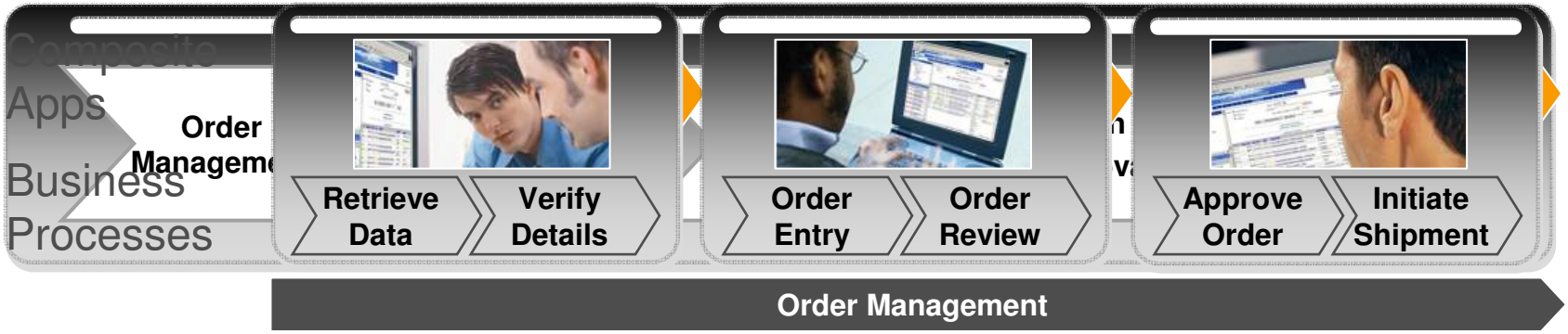


Source: IDC presentation 2006 by Rob Hailstone: “Service Oriented Architecture Status & perceptions - & the questions they raise”

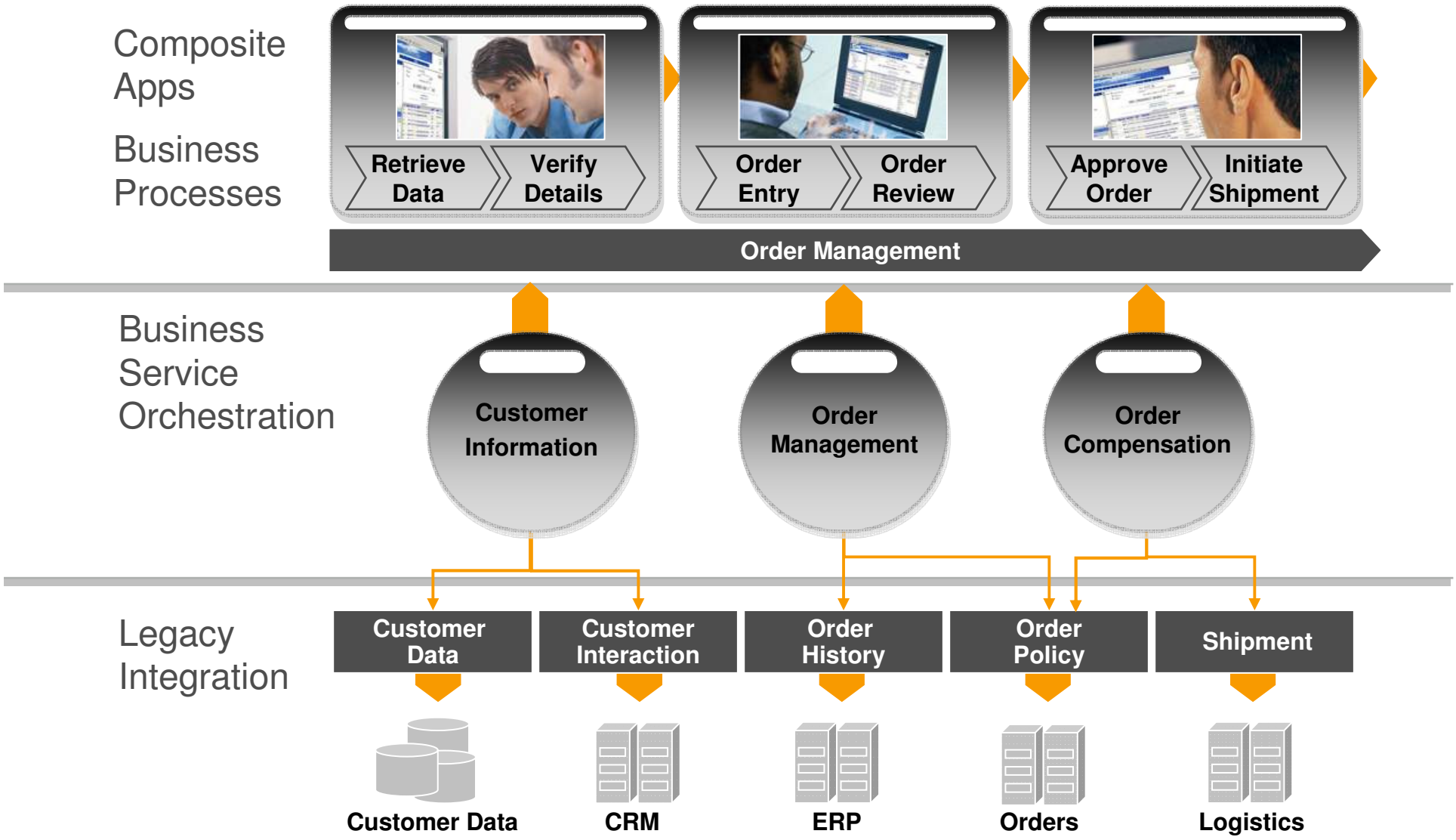
The SOA concept



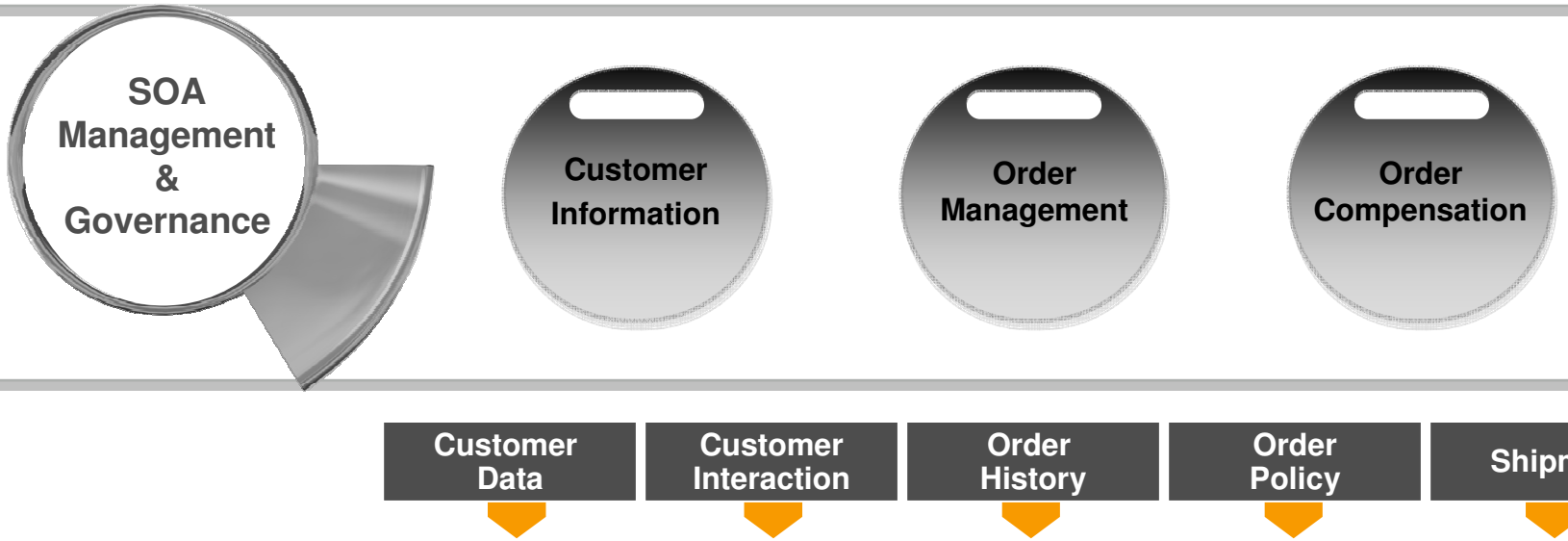
The SOA concept



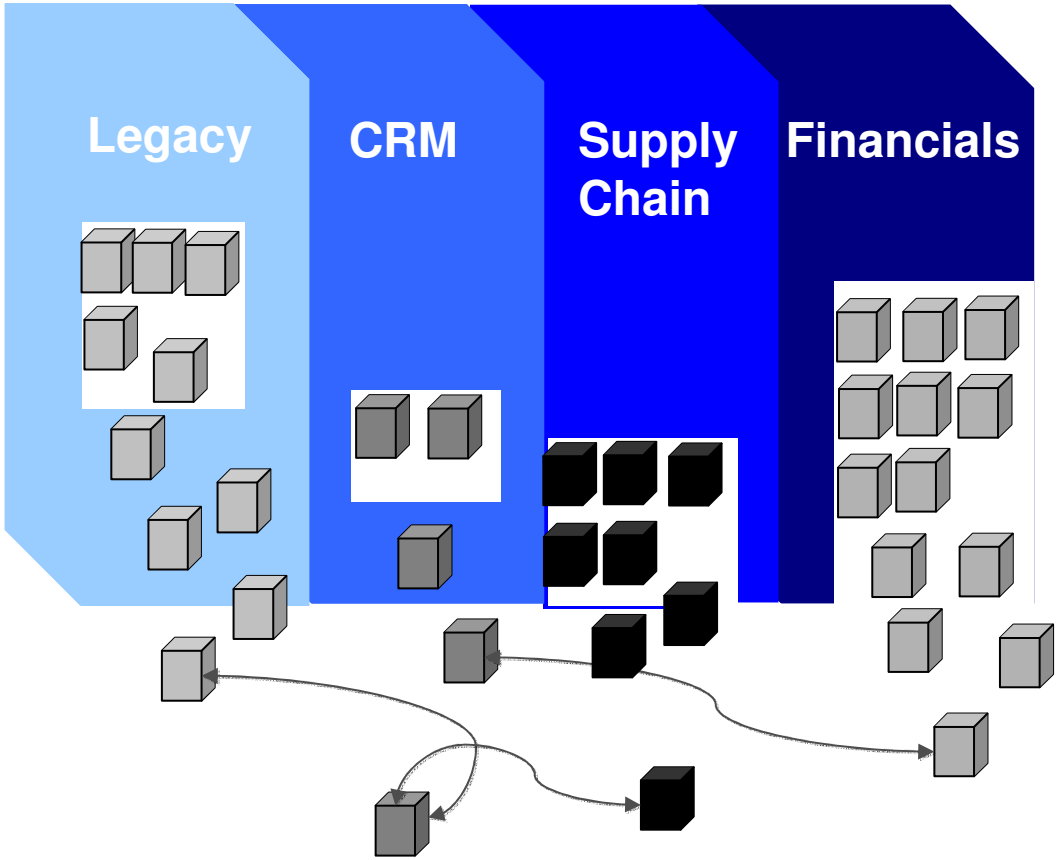
The SOA concept



SOA Management and Governance

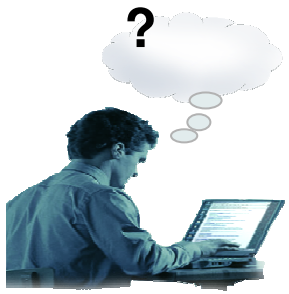


Translating Legacy Systems into Services is fine ...

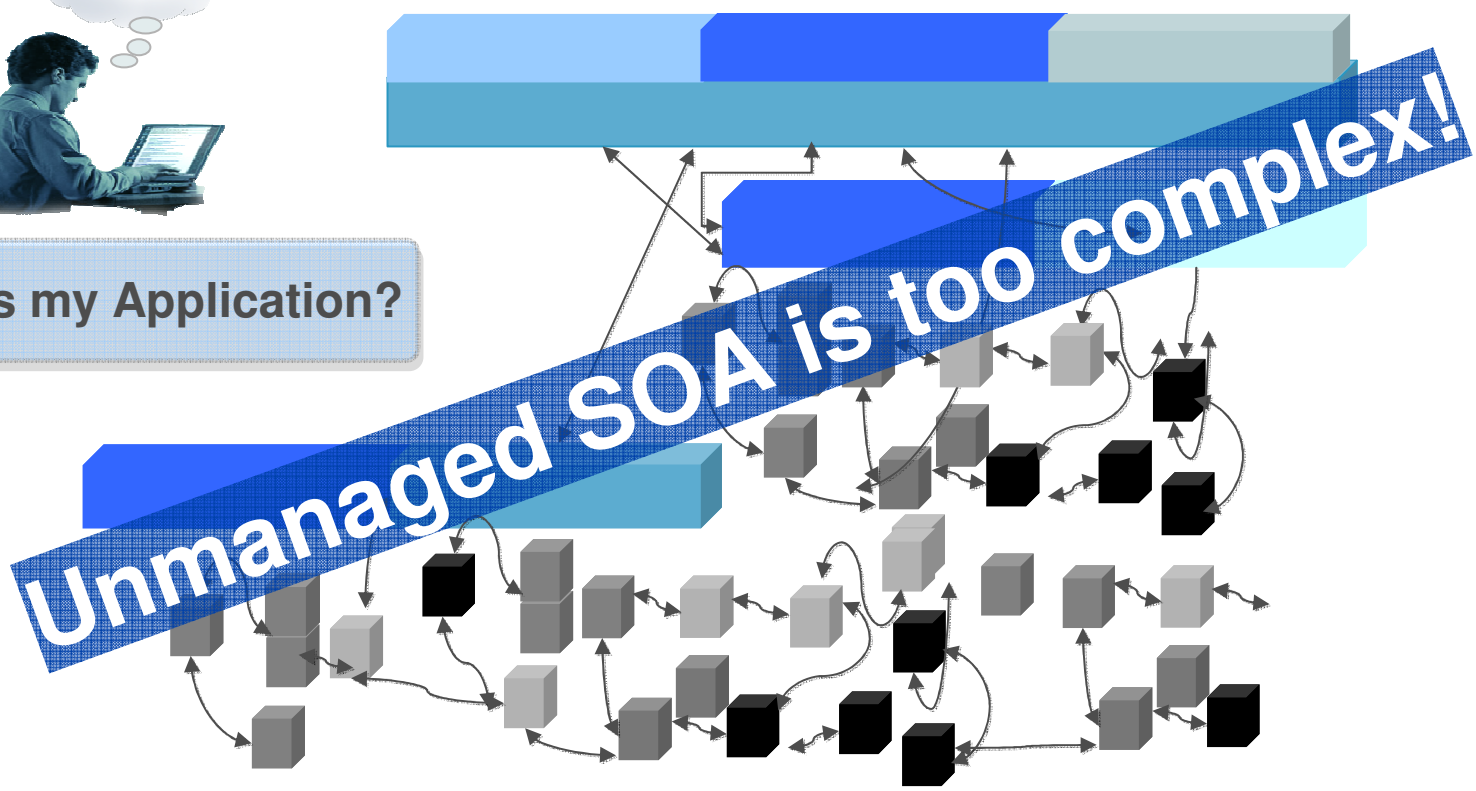


- Packaged Applications are componentized
- Complex systems are broken into service pieces
- Modules are being connected according to business needs

BUT ... There exists Problems



Where is my Application?



SOA Management and Governance

SOA Management and Governance

- Describe SOA components
- Define Service Level Agreements
- Run reports on the usage of services
- Analyse the impact of change
- Find and retrieve all SOA assets
- Reuse existing functionality
- Create new business processes and composite application

Looking at Yellow Pages as a Services Registry ?

Looking for a Service ?

Find it in here ?

People often don't use Yellow Pages unless

They don't have any friends

They are desperate

SOA Management and Governance – is more …

SOA Management and Governance

- Trust
- Transparency
- Control
- Analysis
- Statistics

Service Management in a Registry / Repository

What services exist ?

Provisioning and billing ?

Who is using them ?

Most used services ?

How do I access them ?

Unused services ?

Who owns them ?

What about quality ?

Service Management

What services exist ?

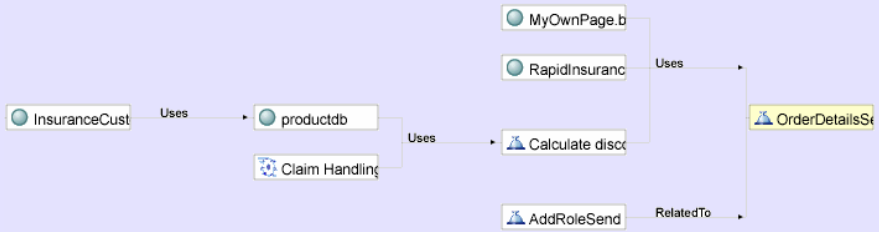
- Who is using them ?
- How do I access them ?
- Who owns them ?
- What about quality ?
- Unused services ?
- Most used services ?
- Provisioning and billing ?

1. Establish a central services repository
2. Assess existing services
3. Categorize services
4. **Integrate usage of a service repository into IT practices**

Service Management

- What services exist ?
- **Who is using them ?**
- How do I access them ?
- Who owns them ?
- What about quality ?
- Unused services ?
- Most used services ?
- Provisioning and billing ?

1. Detect service consumers at run-time
2. Enforce contracts between consumers and providers
3. Define relationships in a repository
4. Integrate repository with the development tools
5. **Visualize service consumers, providers and relationships**



Service Management

- What services exist ?
- Who is using them ?
- **How do I access them ?**
- Who owns them ?
- What about quality ?
- Unused services ?
- Most used services ?
- Provisioning and billing ?

1. Define policies for security, QoS
2. Utilize addressing description to decouple transport
3. Establish a multi-protocol service bus
4. **Document the access patterns in a repository**

Service Management

- What services exist ?
- Who is using them ?
- How do I access them ?
- **Who owns them ?**
- What about quality ?
- Unused services ?
- Most used services ?
- Provisioning and billing ?

1. Define technical owner
2. Define business owner
3. Define relationships in a repository
4. **Enhance information of owners to increase trust**

Service Management

- What services exist ?
- Who is using them ?
- How do I access them ?
- Who owns them ?
- **What about quality ?**
- Unused services ?
- Most used services ?
- Provisioning and billing ?

1. Design course granular services using a domain model
2. Measure design time usage
3. Measure run time usage
4. **Combine metrics and visualize them**

Service Management

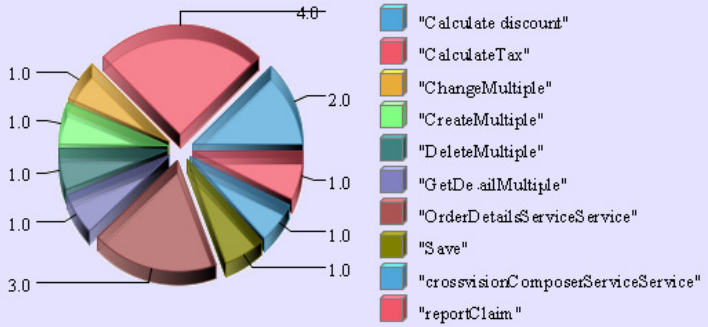
- What services exist ?
- Who is using them ?
- How do I access them ?
- Who owns them ?
- What about quality ?
- **Unused services ?**
- Most used services ?
- Provisioning and billing ?

1. Use design-time and run-time information to find unused services
2. Establish a life-cycle process to deprecate and delete services
3. Validate impact of deprecation and deletion
4. **Remove unused services**

Service Management

- What services exist ?
- Who is using them ?
- How do I access them ?
- Who owns them ?
- What about quality ?
- Unused services ?
- **Most used services ?**
- Provisioning and billing ?

1. Use design-time and run-time information to find most used services
2. Review the most used services
3. Establish best-practices learned from most used services
4. **Increase your visibility by promoting most used services**



Service Management

- What services exist ?
- Who is using them ?
- How do I access them ?
- Who owns them ?
- What about quality ?
- Unused services ?
- Most used services ?

1. Analyze the run-time usage of services
2. Establish contract based service billing
3. Optimize the service cost based on statistical data
4. **Promote the value of your services**

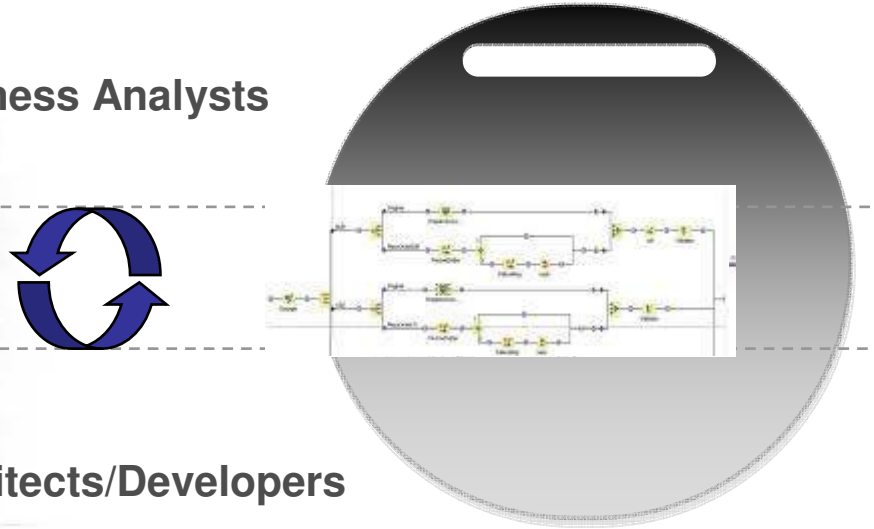
Provisioning and billing

Closing the gap between IT and business

Business Analysts and Developers work together on

- a common standards-based foundation
- models to share requirements
- artifacts of the right granularity to understand each other
- incremental development

Business Analysts



Architects/Developers

SOA with crossvision success integrated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