Seven Steps to a Service Oriented Evolution

Enterprise Architecture Practitioners Conference, Mumbai, India

E.G.Nadhan
Chief Architect
Applications Modernization
EDS

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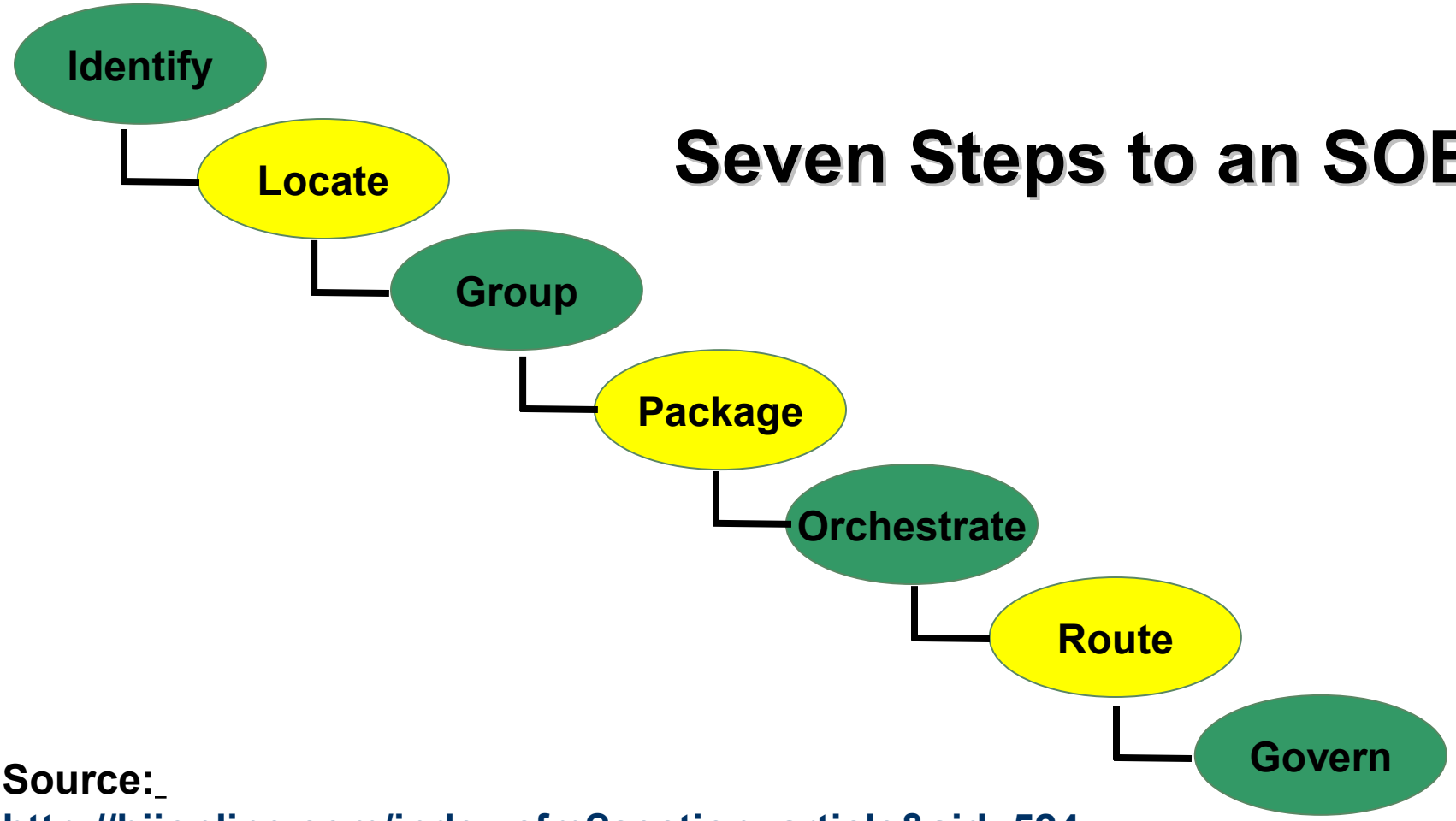
Service Oriented Evolution

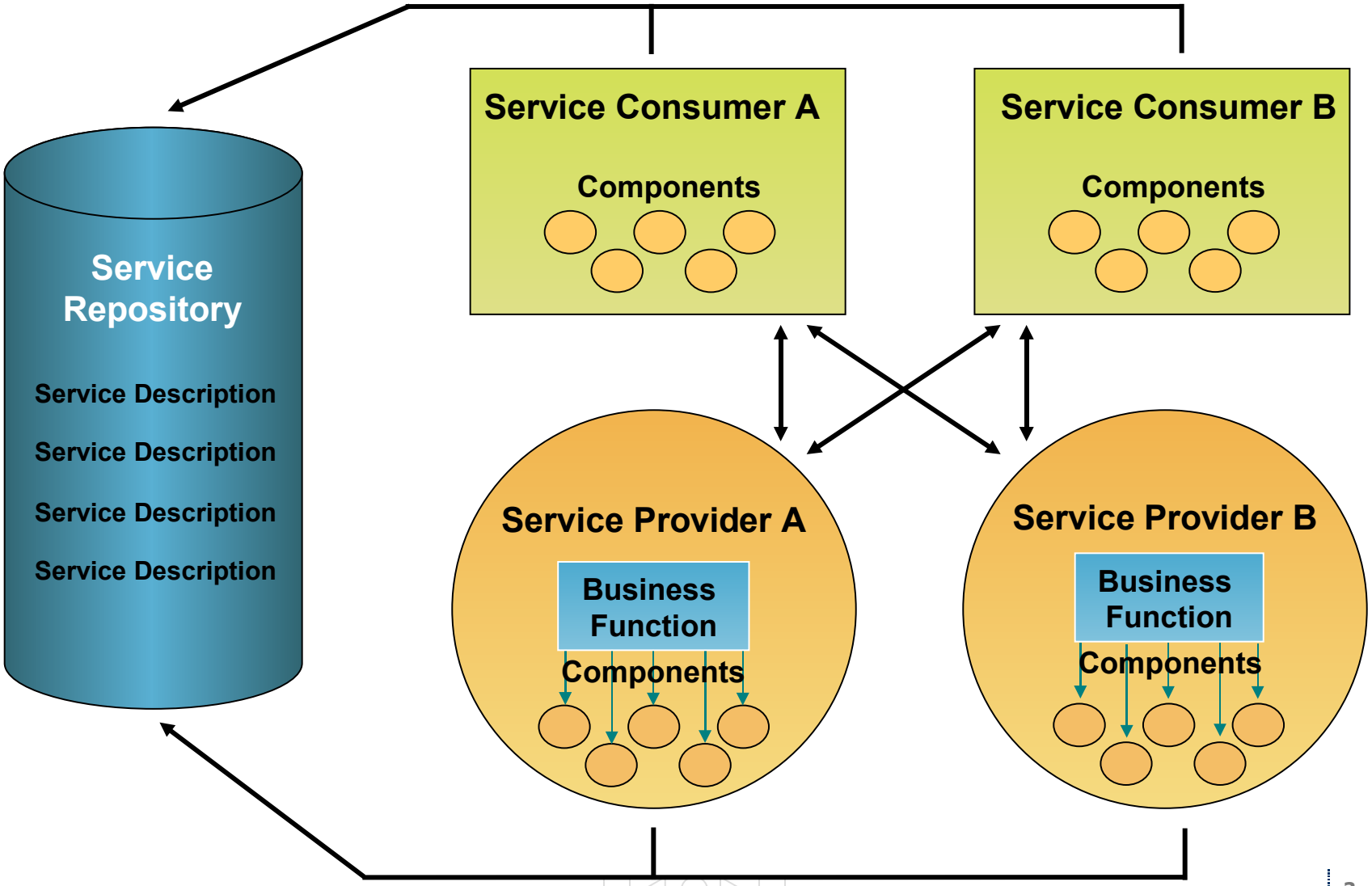


Seven Steps to an SOE

Source:
http://bijonline.com/index.cfm?section=article&aid=524

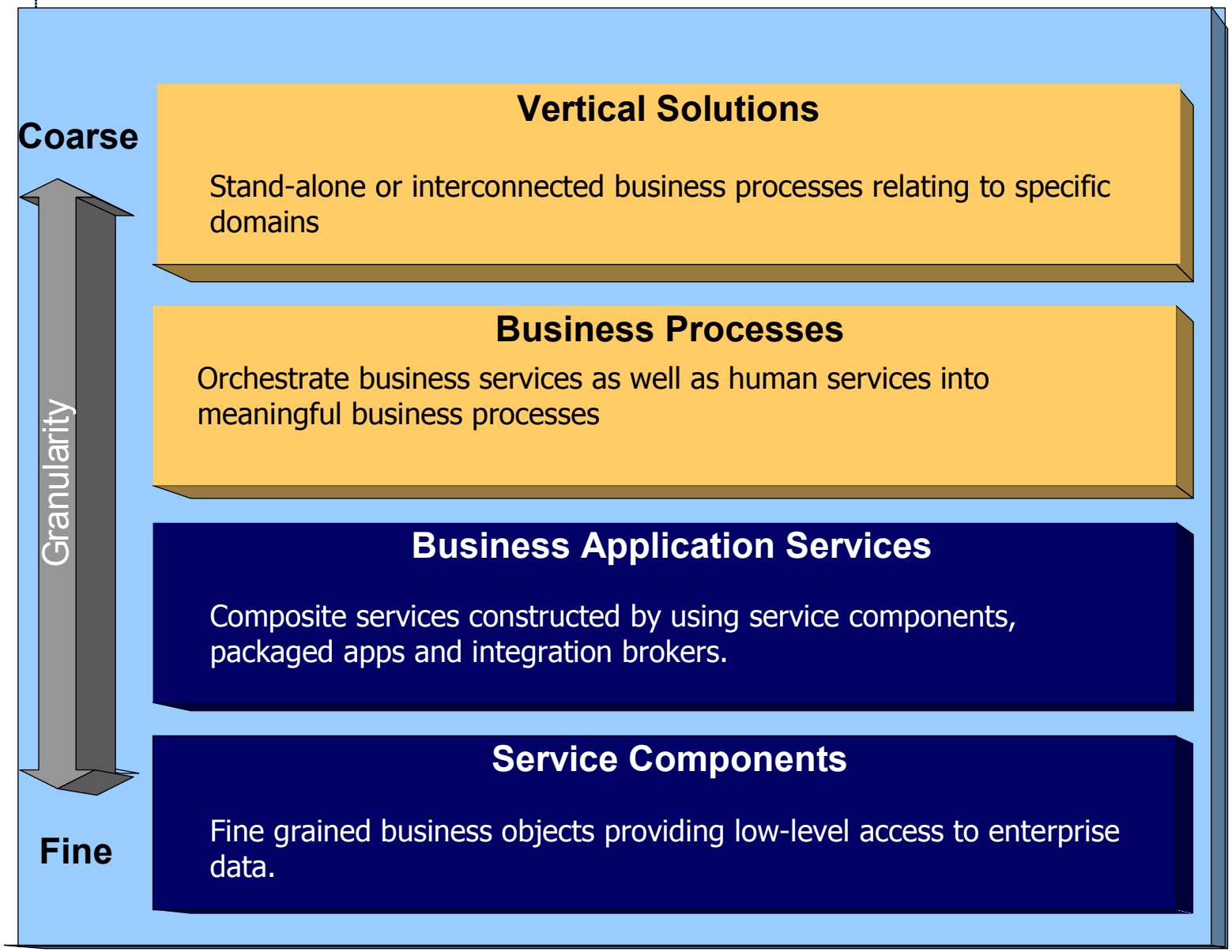
Service Oriented Architecture

Identify



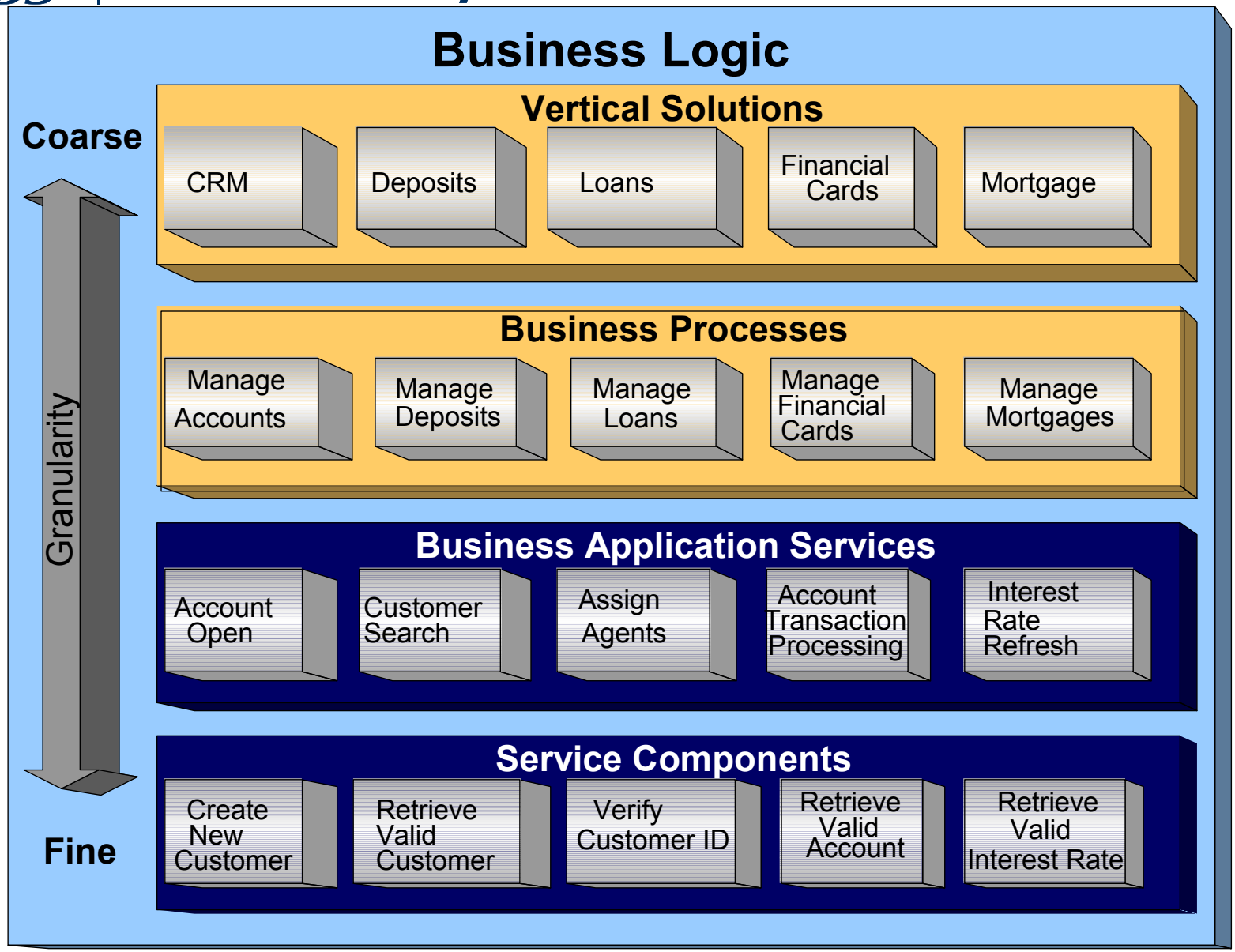
Solutions define services …. Services make solutions

Identify



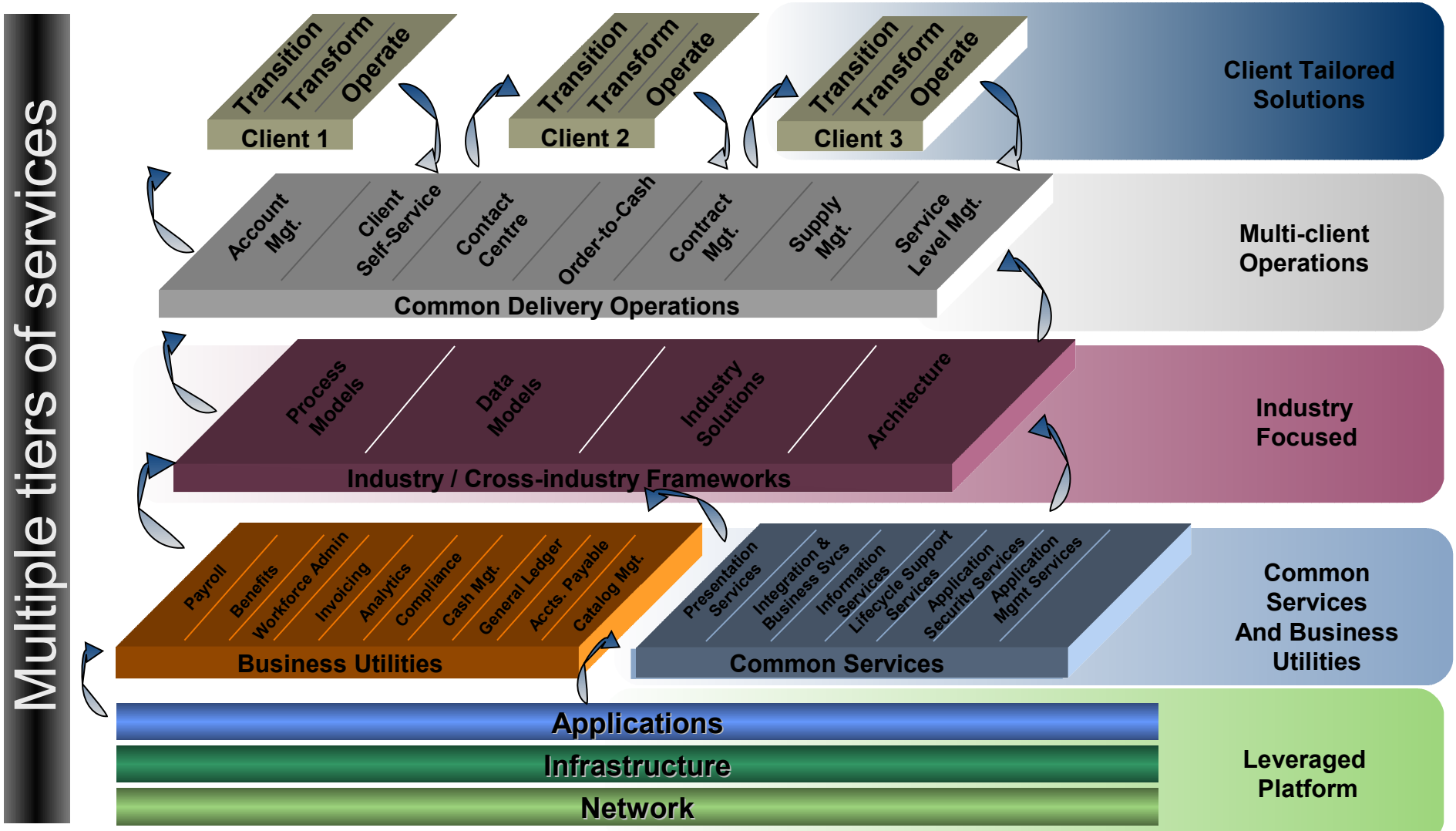
SOA Granularity

Identify



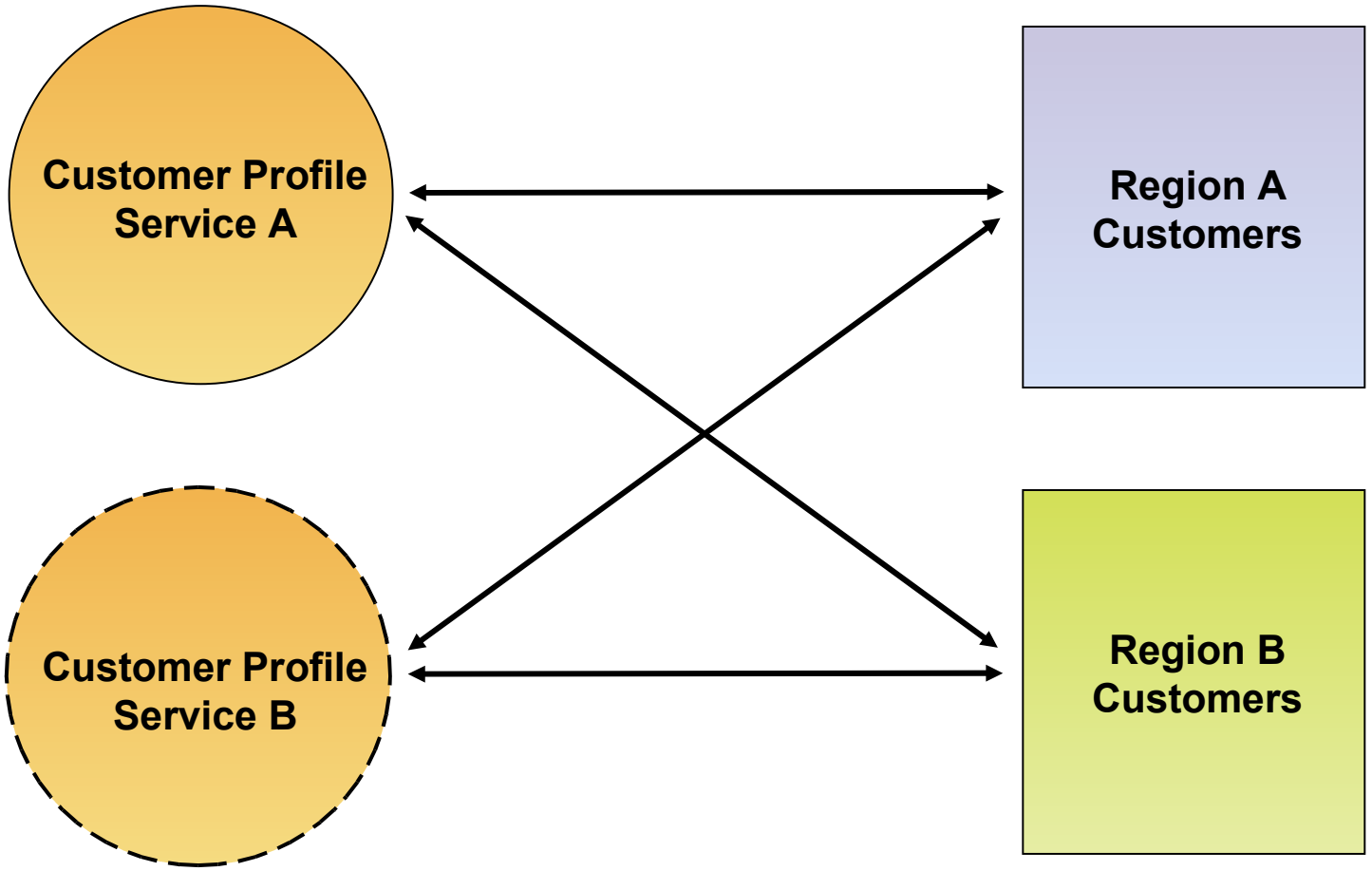
SOA tiers

Identify



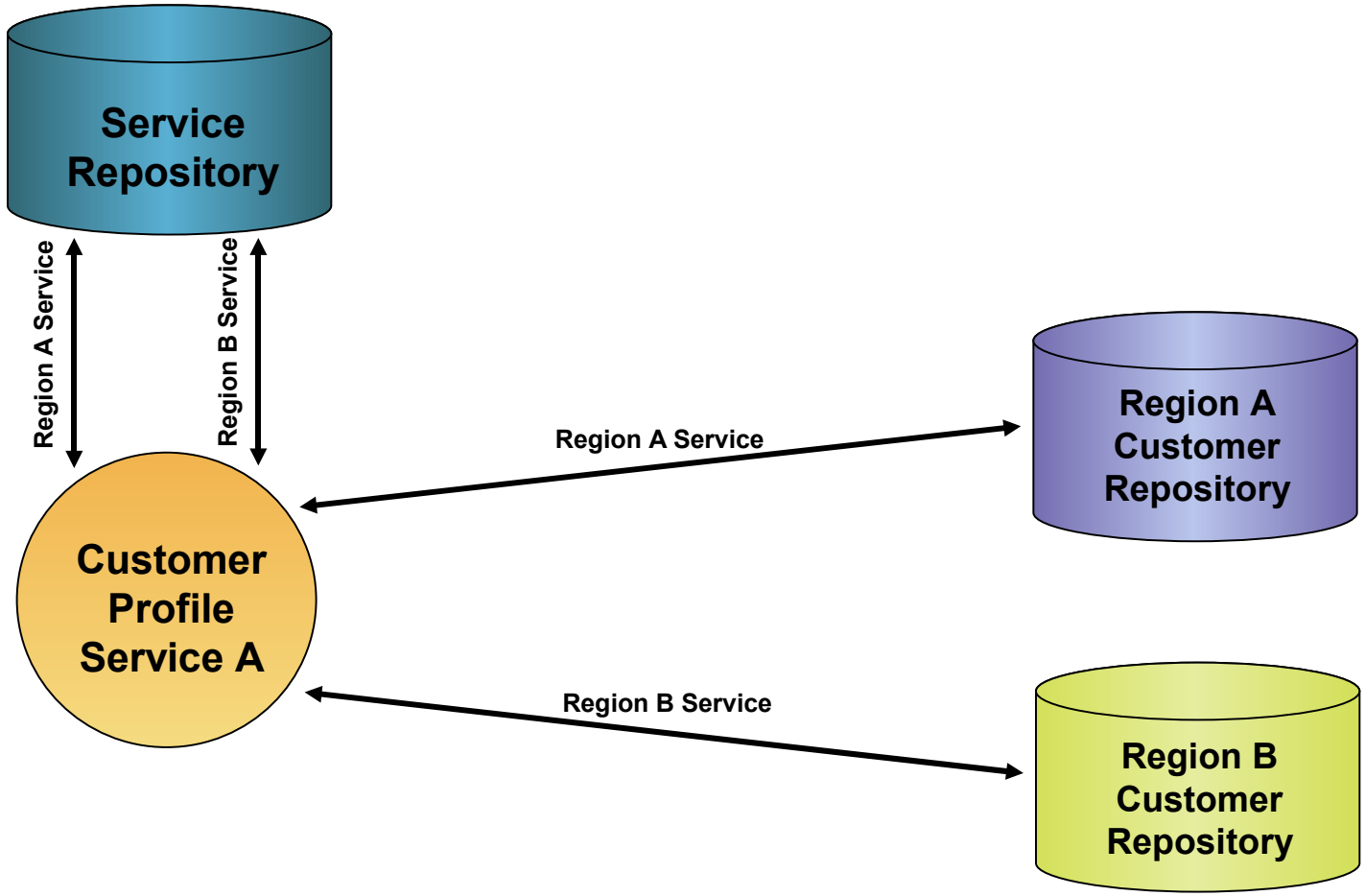
Content-Based Routing

Locate



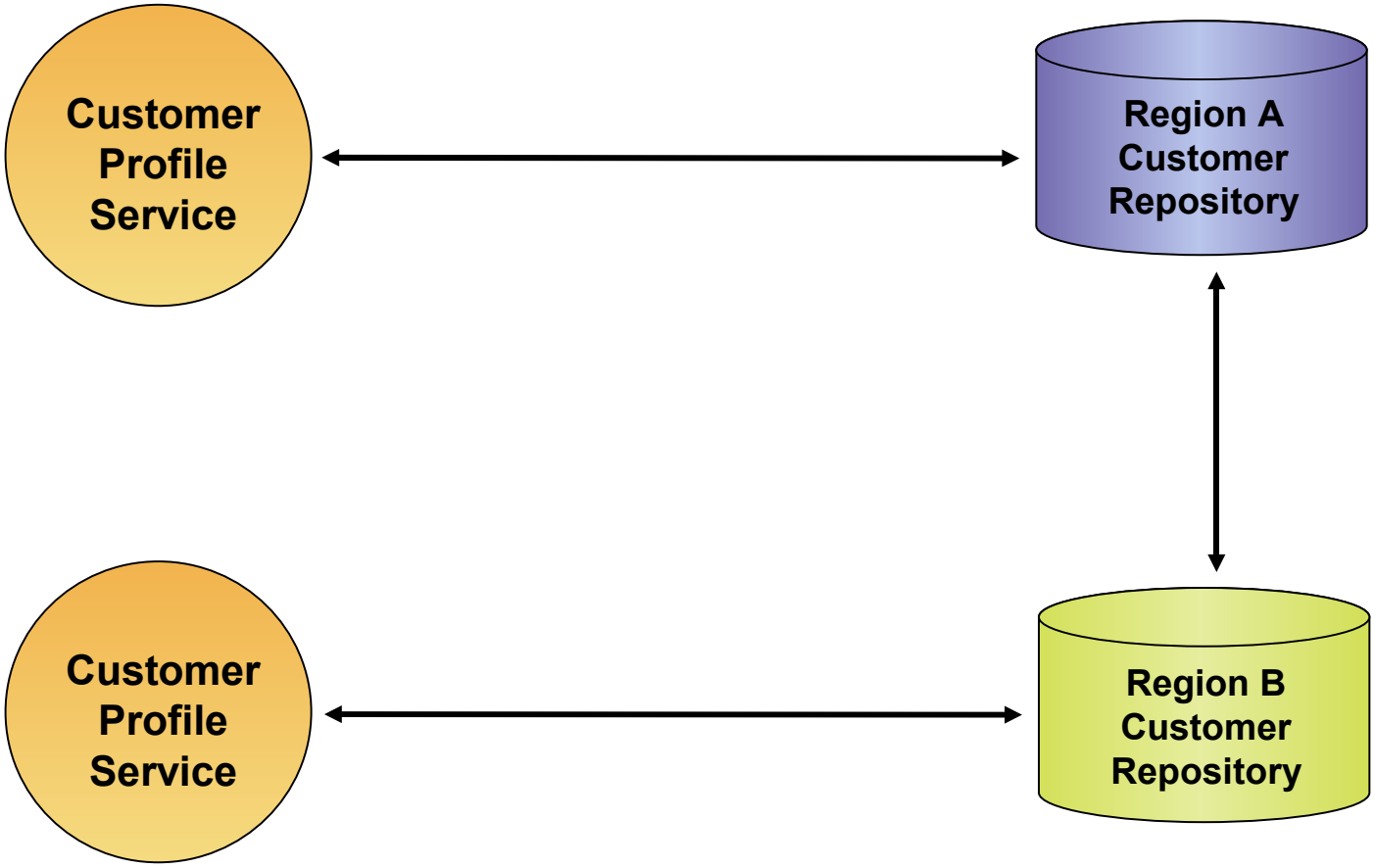
Service Repository-Based Routing

Locate



Back-End Replication

Locate



Sample Application Portfolio Model

Group

Business Unit	Middle Tier Platform	Application
Home Loans	UNIX	SAP
Online Banking	Windows	Siebel
Banking Centers	UNIX	Peoplesoft
Insurance Services	Windows	SAP
Consumer Loans	Linux	ORACLE
Corporate Loans	UNIX	IBM DB2

Service Domains

Group

- **Functional Domains**
  - Loans Service Domain
  - Banking Service Domain
  - Insurance Service Domain
- **Application Domains**
  - SAP Services
  - PeopleSoft Services
  - ORACLE Services
- **Technology Domains**
  - UNIX Services
  - Windows Services
  - Linux Services

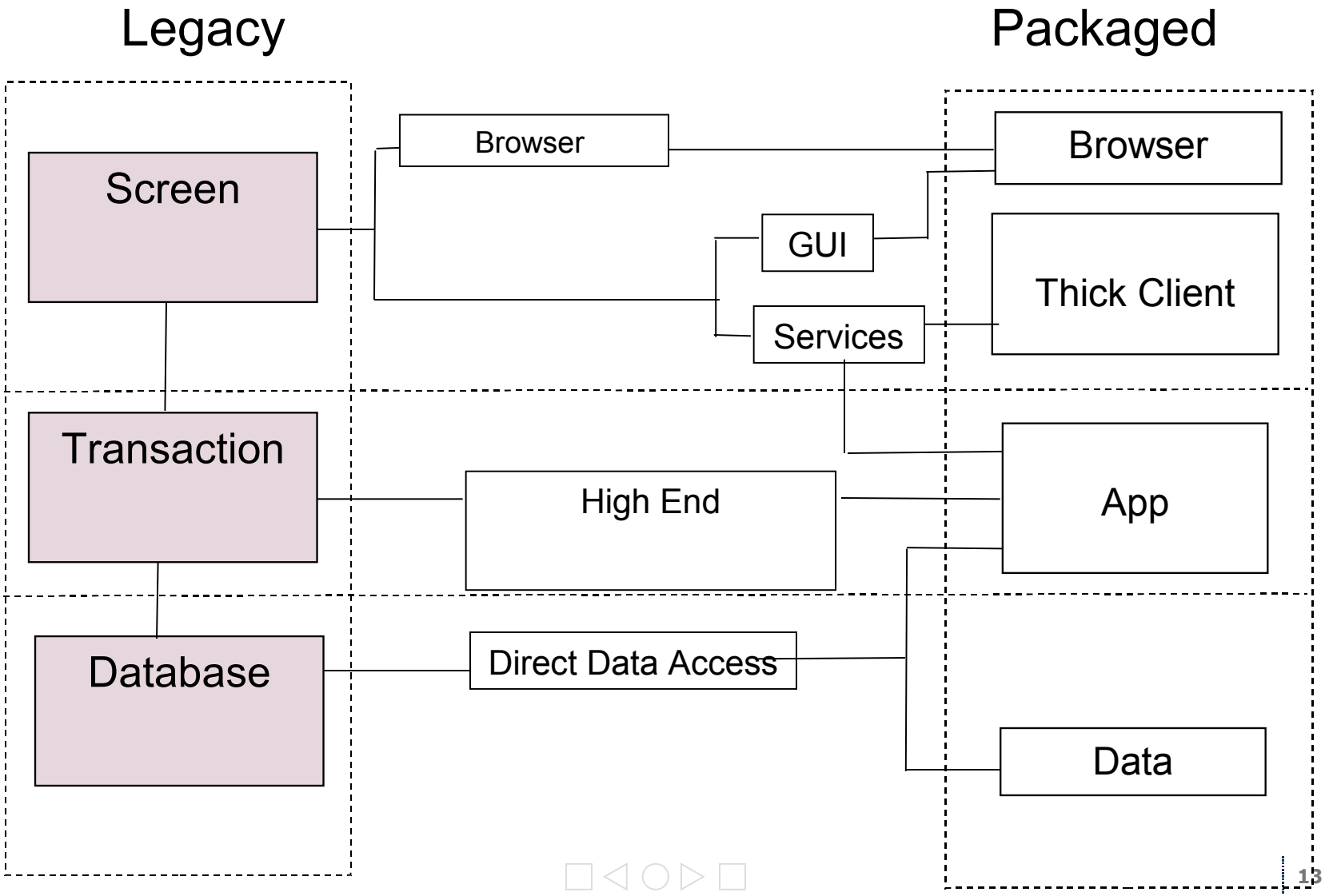
Service Packaging Challenge

Package

- Challenge
  - Packaging existing code into a service oriented representation
- Three step approach
  - Business Area Definition
  - Program Assignment
  - Loosely Coupled Integration
- One of the key aspects of Legacy modernization

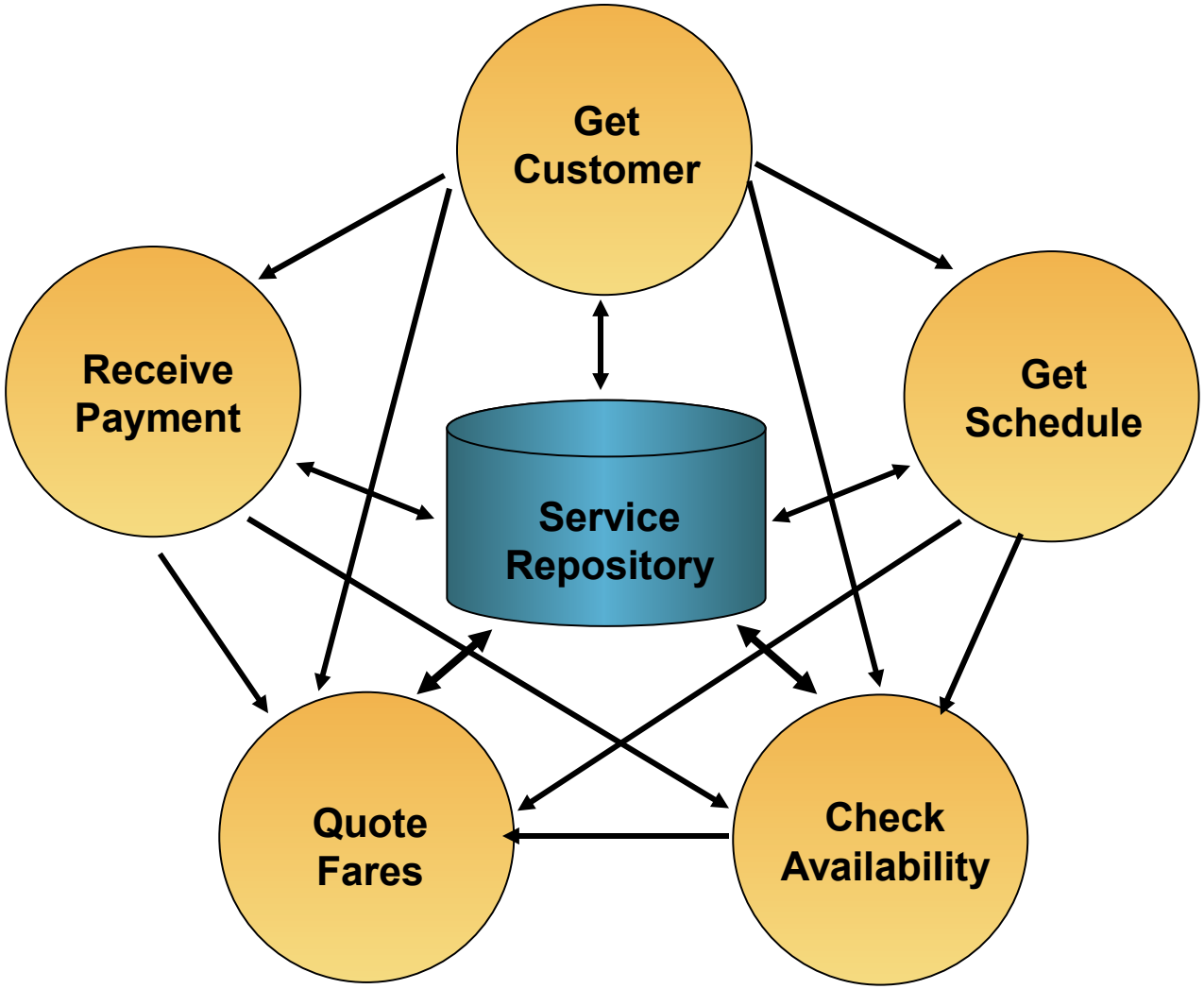
Service Packaging Legacy Applications

Package



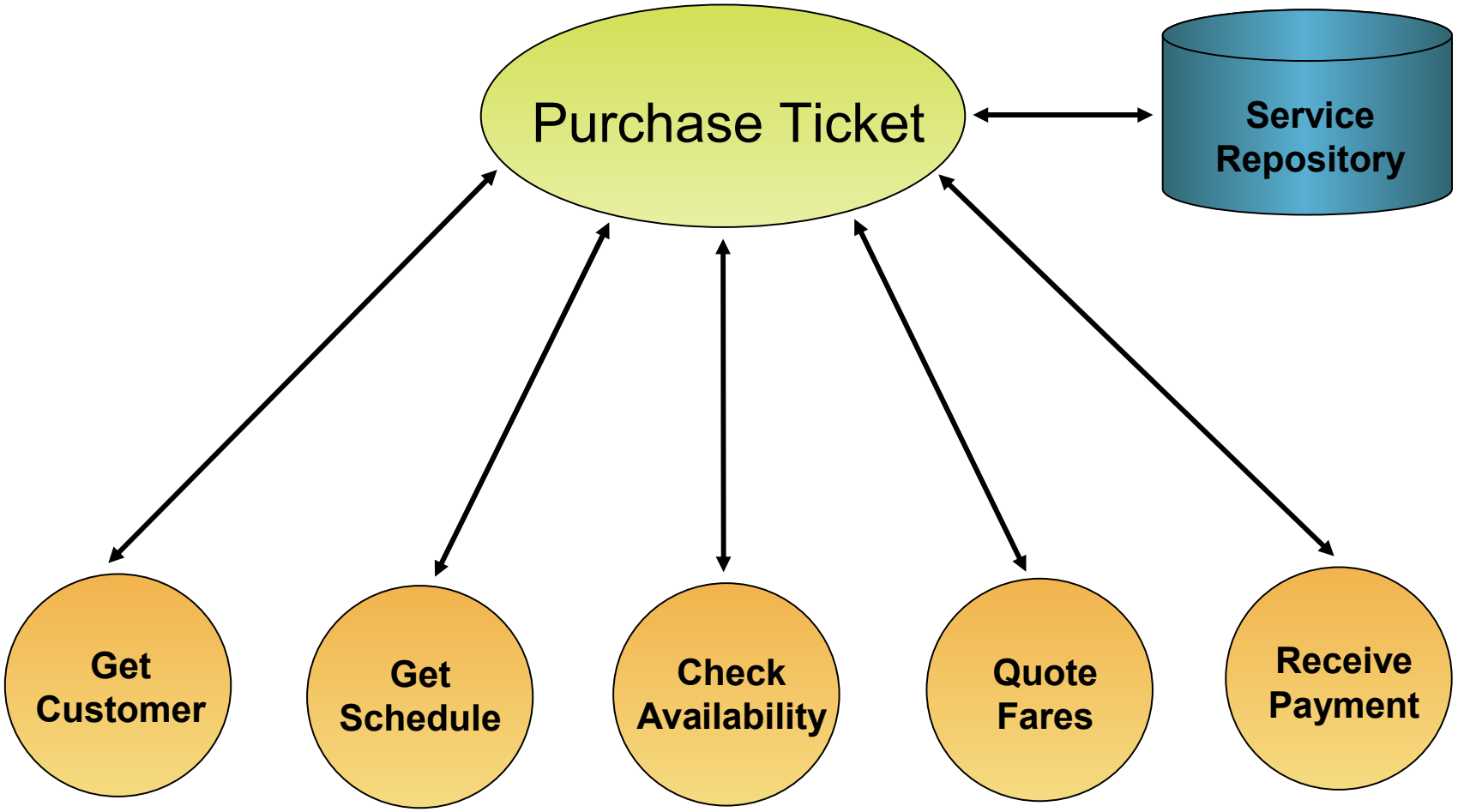
Service Orchestration .....

Orchestrate

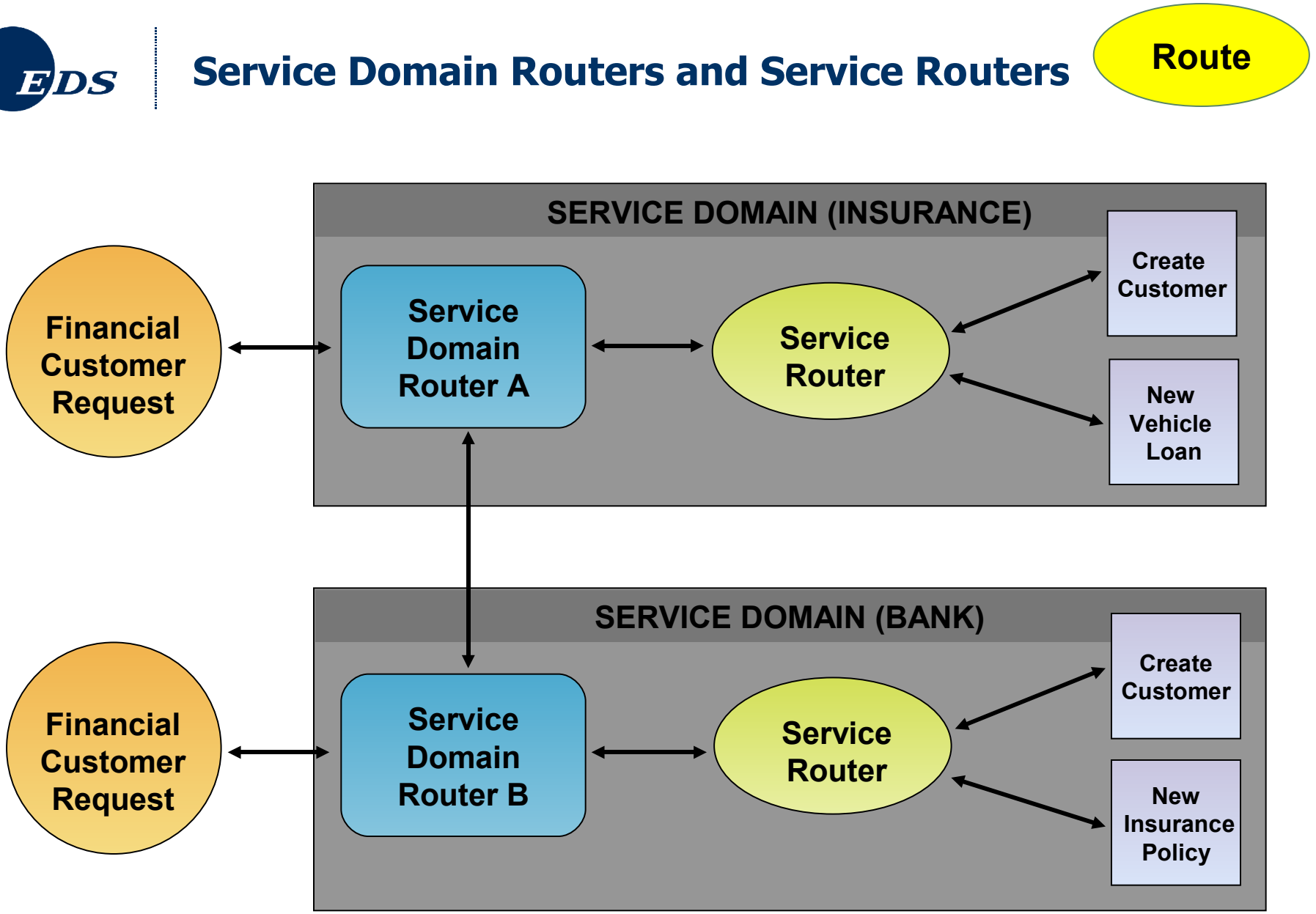


. . . . is best performed using BPM

Orchestrate

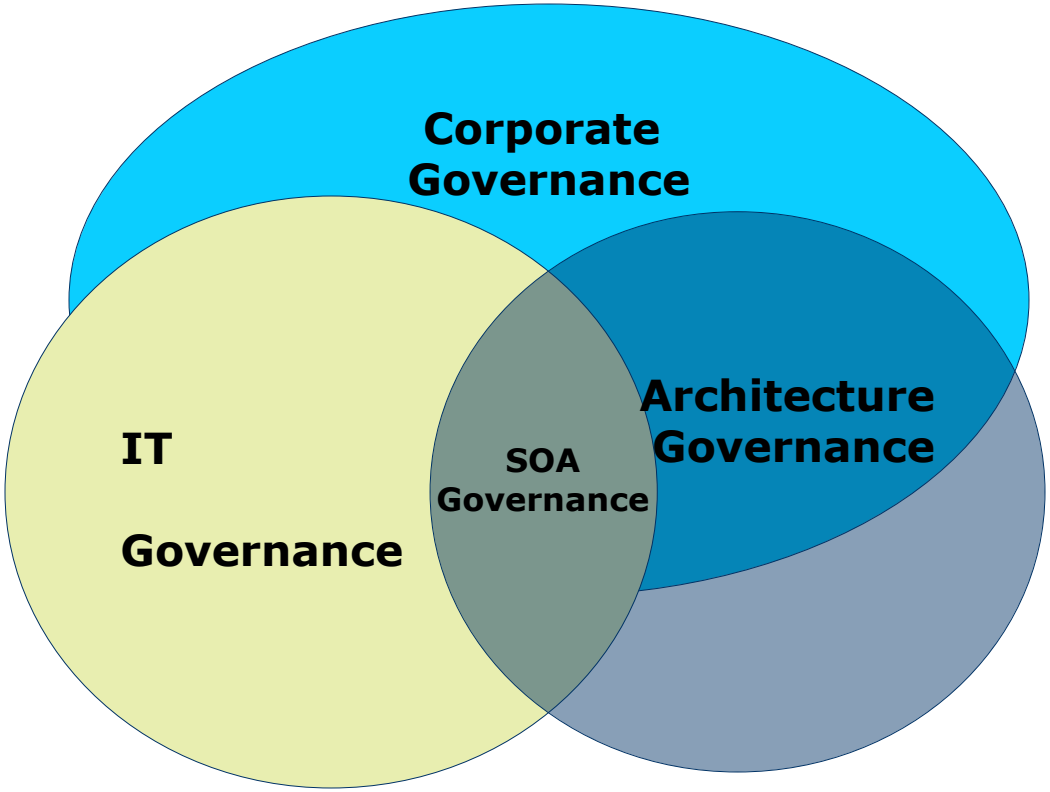


Service Domain Routers and Service Routers



SOA Governance is across the Enterprise

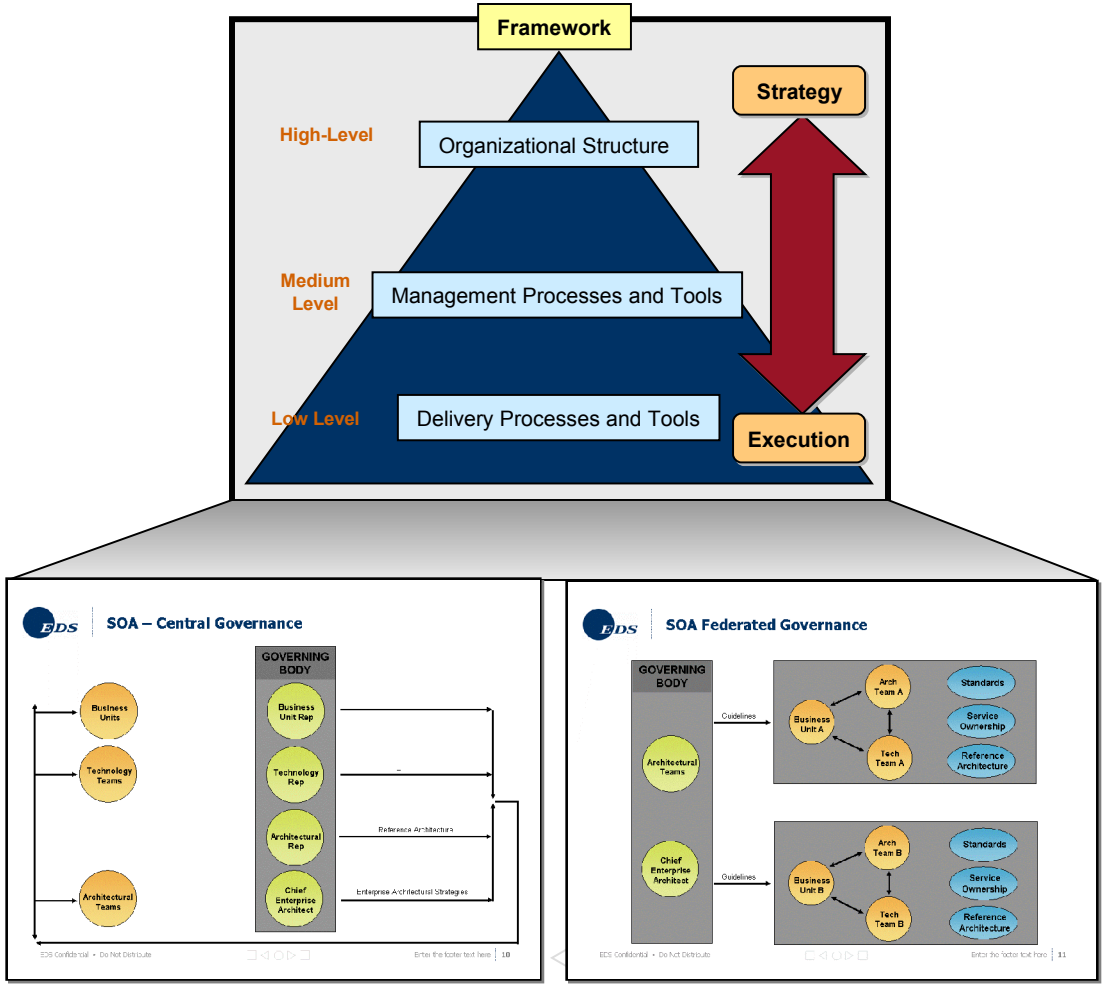
Govern



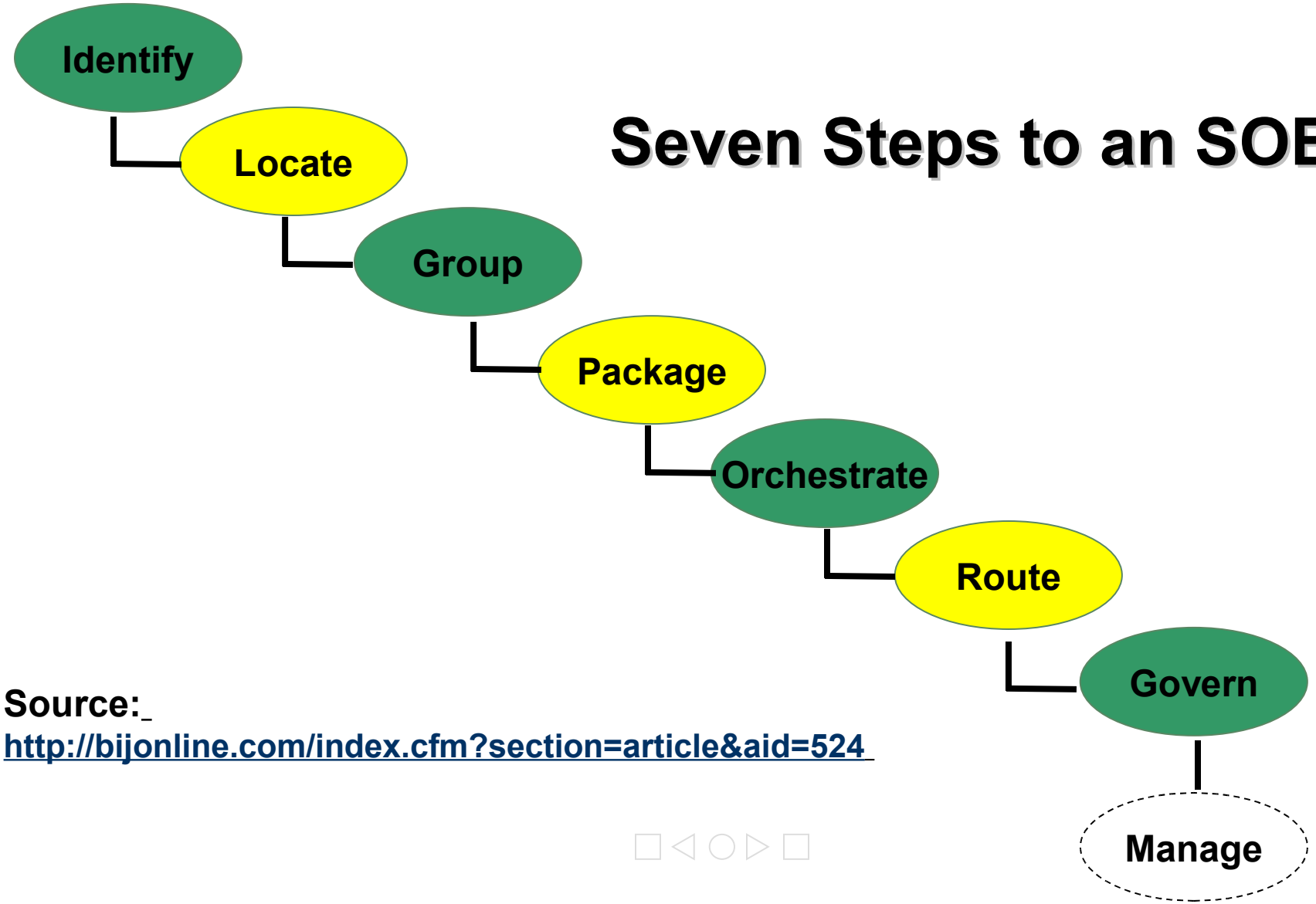
SOA Governance Models

Govern

A SOA governance model must be developed within the context of the overall Enterprise Governance Framework. There are multiple model types to choose from, but the final model must be consistent with other organizational structures, processes and tools.



Service Oriented Evolution



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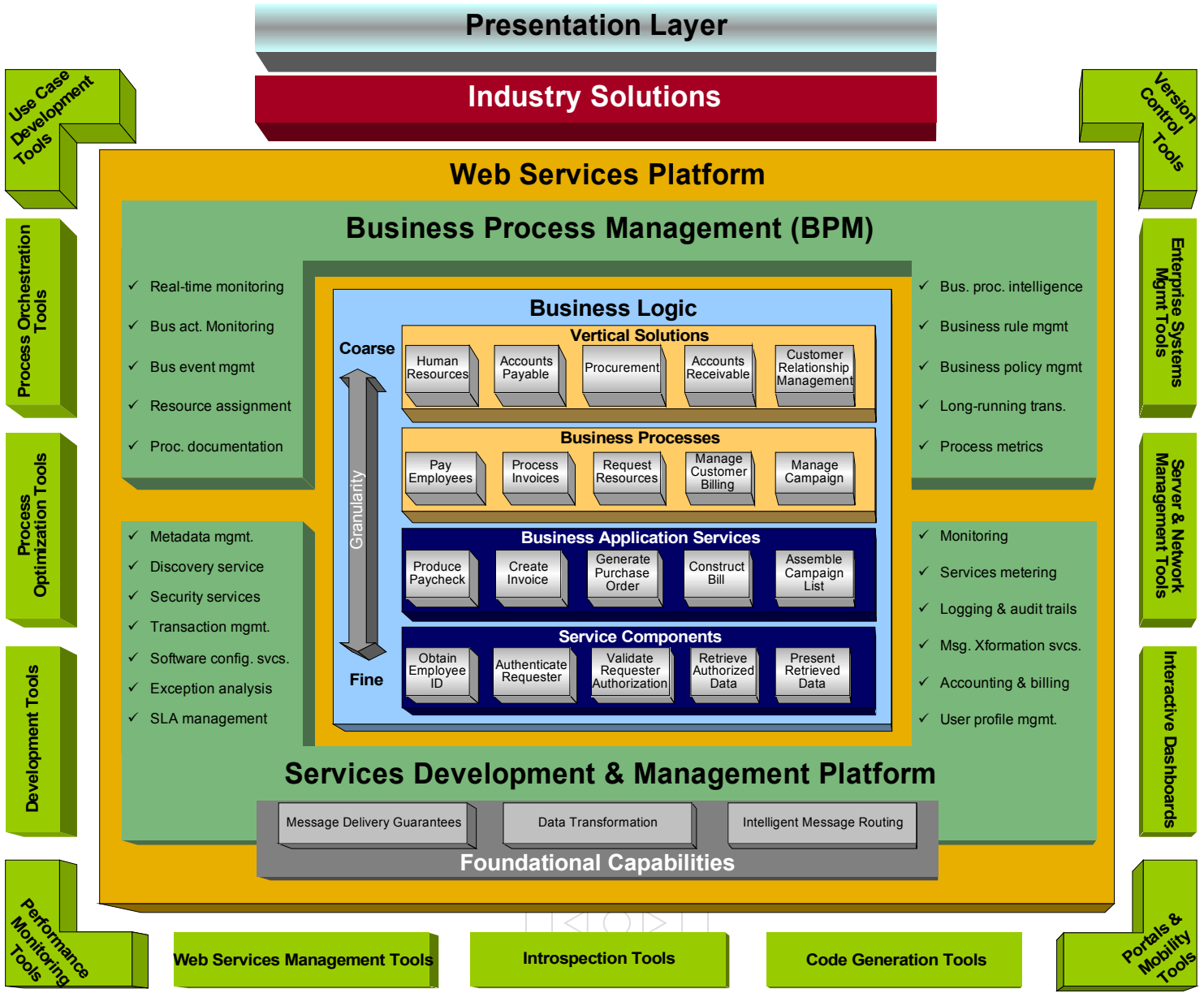
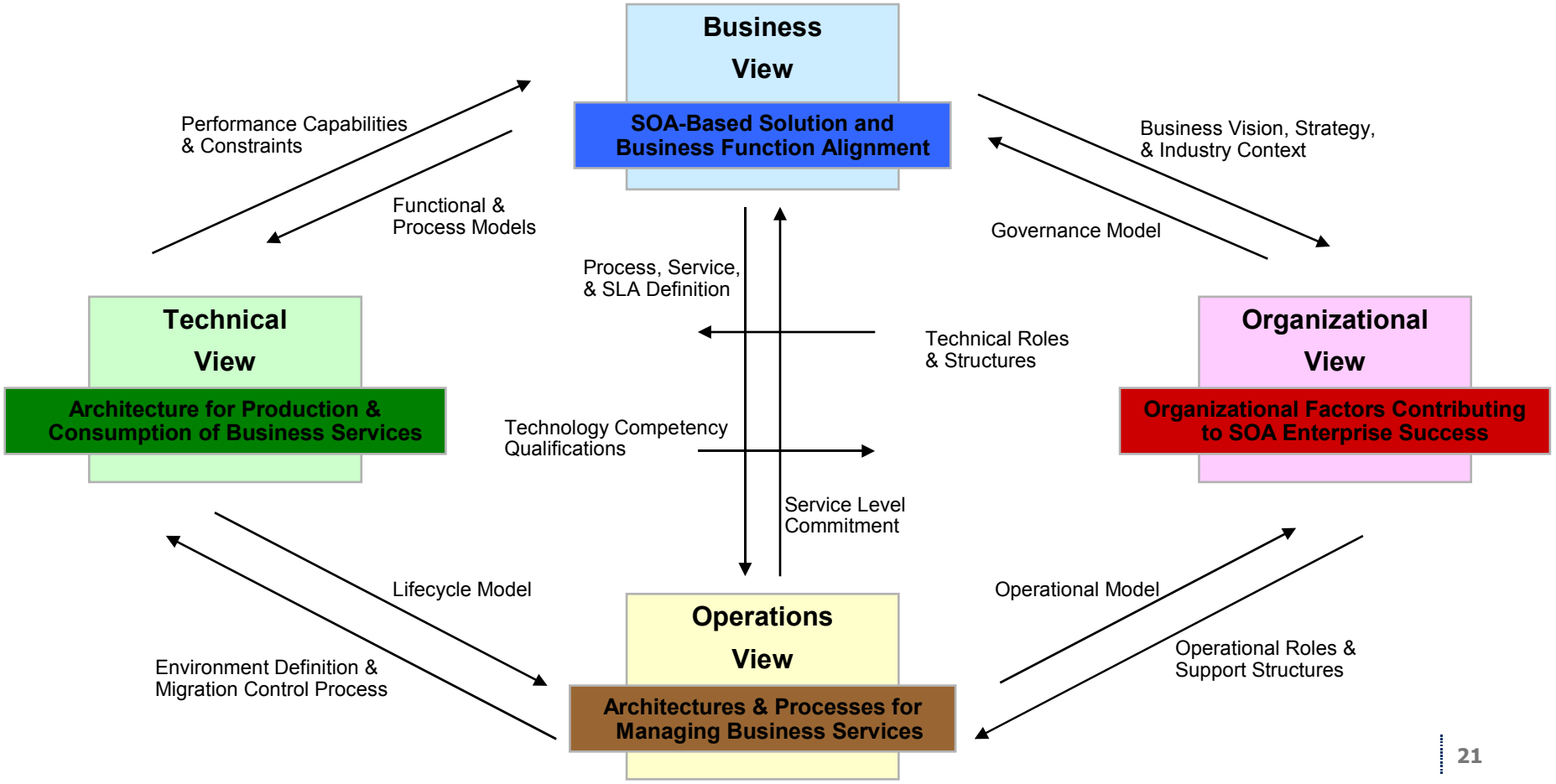
SOA – Operational View



Service Oriented Architecture

Business operations, systems, and technology work closely together to meet business needs. SOA is therefore described by 4 Views. To be successful, an enterprise SOA approach must address these views and their interrelationships.



Great Companies

Great Companies Think Alike !

Great Companies Define standards !

Great Companies work with Open Group !

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