



## SOA- What is still missing?

**Presented To:**

**OMG: SOA WG  
Kick Off Meeting**

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# SOA Defined

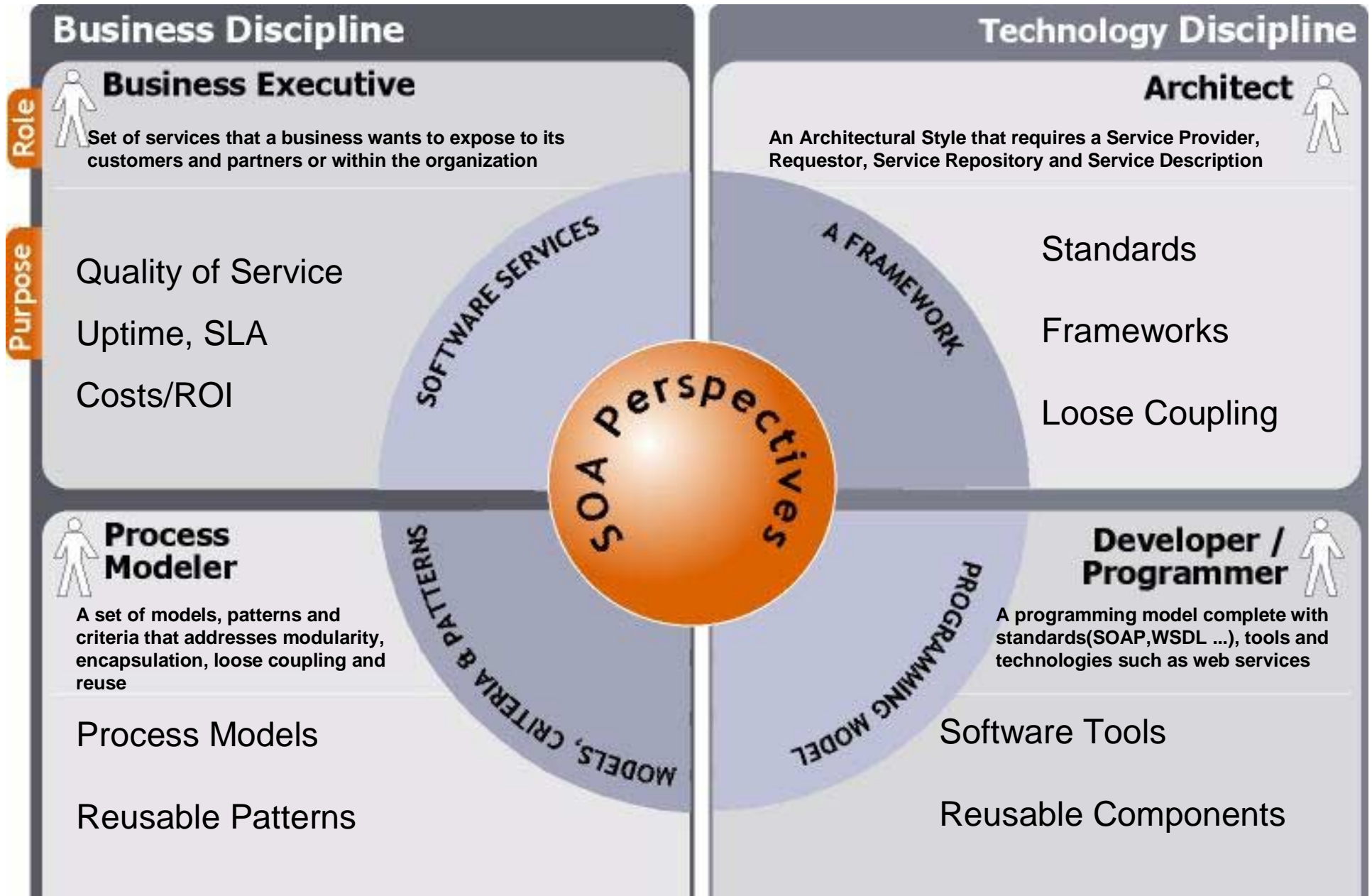
There's hardly a consensus on what is SOA. Some Quotes from a major Web Services Journal's readers...

- A Service-Oriented Architecture is a collection of services that communicate with each other
- SOA -- namely, the loose coupling of distributed, heterogeneous services that enable some type of business process
- SOA is a form of technology architecture that adheres to the principles of service orientation.

*"I definitely disagree with ..... on the necessity of having a repository cataloging services and their metadata, as well as on the option of using industry standards."*

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# SOA PERSPECTIVES



# SOA - Current State

- Point-to-point, fine grained services
- Poor (if any) traceability to business
  - Business Motivation, Function, Processes ...
- Mostly Request/Reply based Services
- Standards to describe complete Life Cycle of Services (design/runtime/management) being developed
  - W3C Architecture group working on conceptual models for services, messages, policy, security...
  - W3C's XML Encryption specification addresses the issue of data confidentiality using encryption techniques
  - OASIS developing SOA Reference Model

# SOA – Wish List

## *The 4M's of Services*

- **Modeling**
  - End to end modeling the structure and behavior of a service
  - Mapping payload (data) to domain standards
    - ACORD, HR-XML, XBRL, RIXML...
- **Manufacturing**
  - Execution of a service
- **Monitoring**
  - Performance and Availability metrics
- **Management**
  - Policy and Governance process and metrics

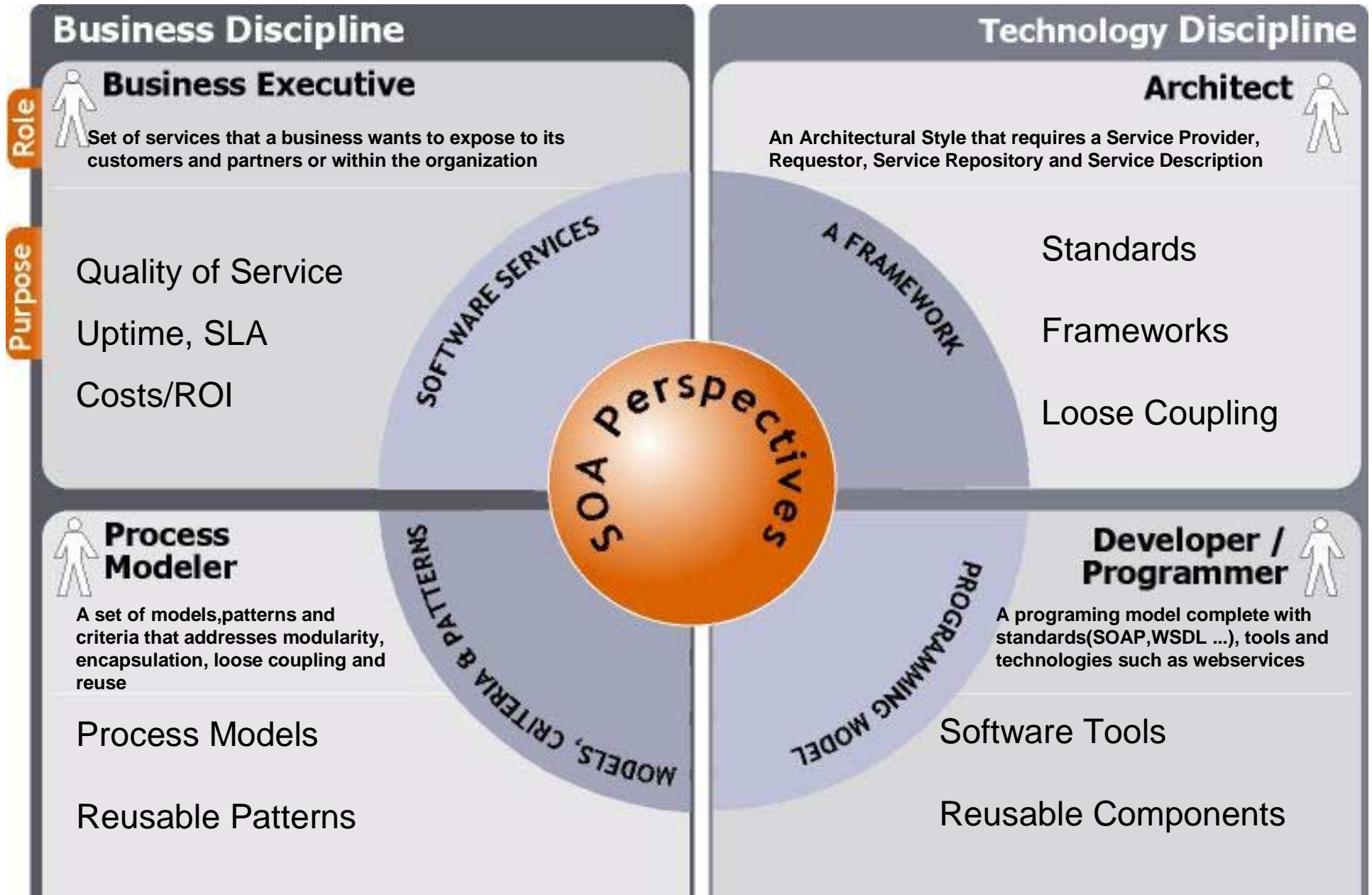
## SOA Wish-List

*A SOA Nervous System (SNS) that drives the 4M's*

- SNS will contain multiple interoperable MDA –compliant metamodels that will cover different perspectives of an enterprise grade SOA implementation
  - Also include metamodels (as they are developed) for correlation of services with Events (Event Driven Architecture-EDA)
  - Leverage work being done by W3C, OASIS, OMG...
  - SNS will serve as an integrated repository+registry

*Survivability of a enterprise SOA initiative cannot be realized without an integrated repository that contains a registry as well-*  
*Gartner*

# SOA PERSPECTIVES



## Potential Next Steps

- Establish a SOA SIG within OMG
- Define Scope & authorize a draft charter
- Identify deliverables/work items

*XAware is looking forward to Learn and Contribute*