

# Determining SOA Success

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# Agenda

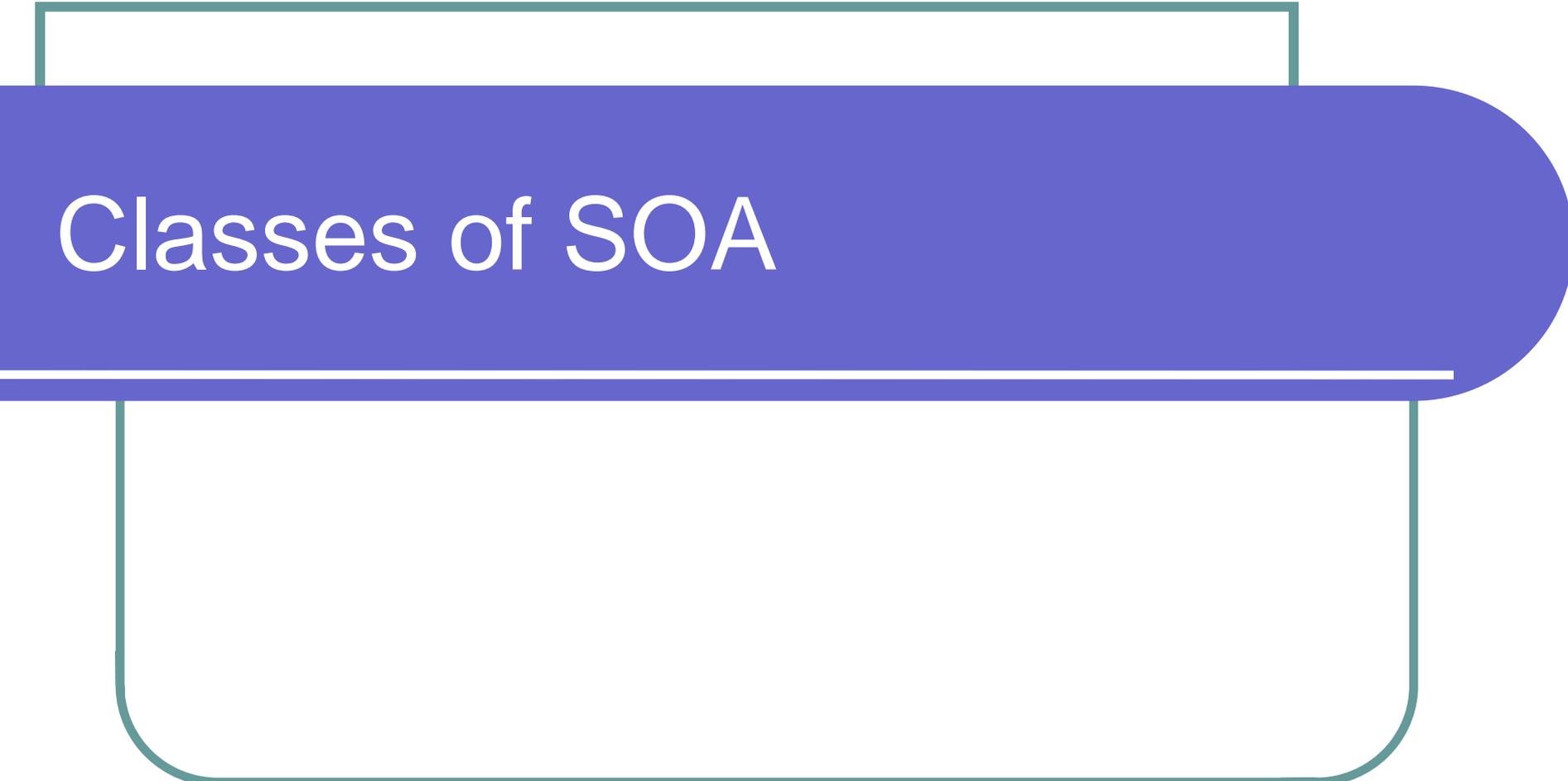
- Defining SOA
- Classes of SOA
- SOA Success Factors
- Wrapping It All Up

# Defining SOA

- SOA represents the archetype for delivery of anything as a service: Software, hardware, telecommunications, call center, marketing, etc.
- If something can be compartmentalized with a formalized input and result and can be measured then it can be delivered as a service.
- One or more of these services working together to provide a higher-level function is an SOA
  - One service does not an SOA make!

# Success in SOA is...

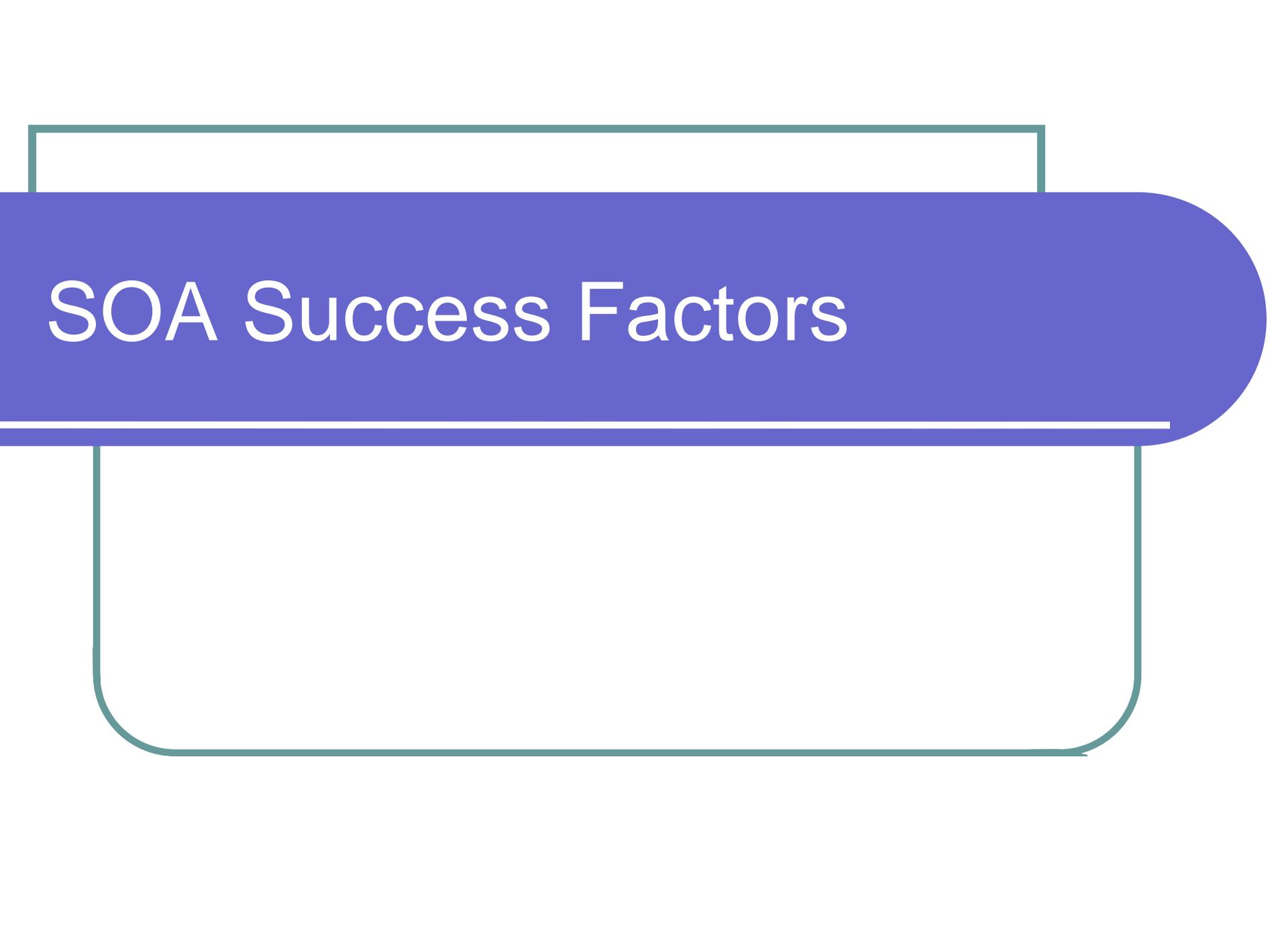
- Contextual
- Based on intention
- Non-deterministic



# Classes of SOA

# Classes of SOA

- Enterprise SOA Design
- System Design
  - Infrastructure Design
  - Application Design
- Service Design
- Semantic Design

A graphic featuring a blue rounded rectangle with the text "SOA Success Factors" in white. The rectangle is framed by a dark teal border that has a notch at the top and a protrusion at the bottom, resembling a book spine or a folder tab.

# SOA Success Factors

# Enterprise SOA Design Success Factors

- Organizational alignment
- Architectural plan
- Business/Technology Mapping

# System Design Success Factors

- Infrastructure Design Success Factors
- Application Design Success Factors

# Infrastructure Design Success Factors

- Cost reductions
- Greater accessibility
- Infrastructure-as-a-Service
  - Rapid provisioning
  - Bandwidth optimization
  - CPU Utilization
  - Elasticity
  - Metering / Monitoring

# Application Design Success Factors

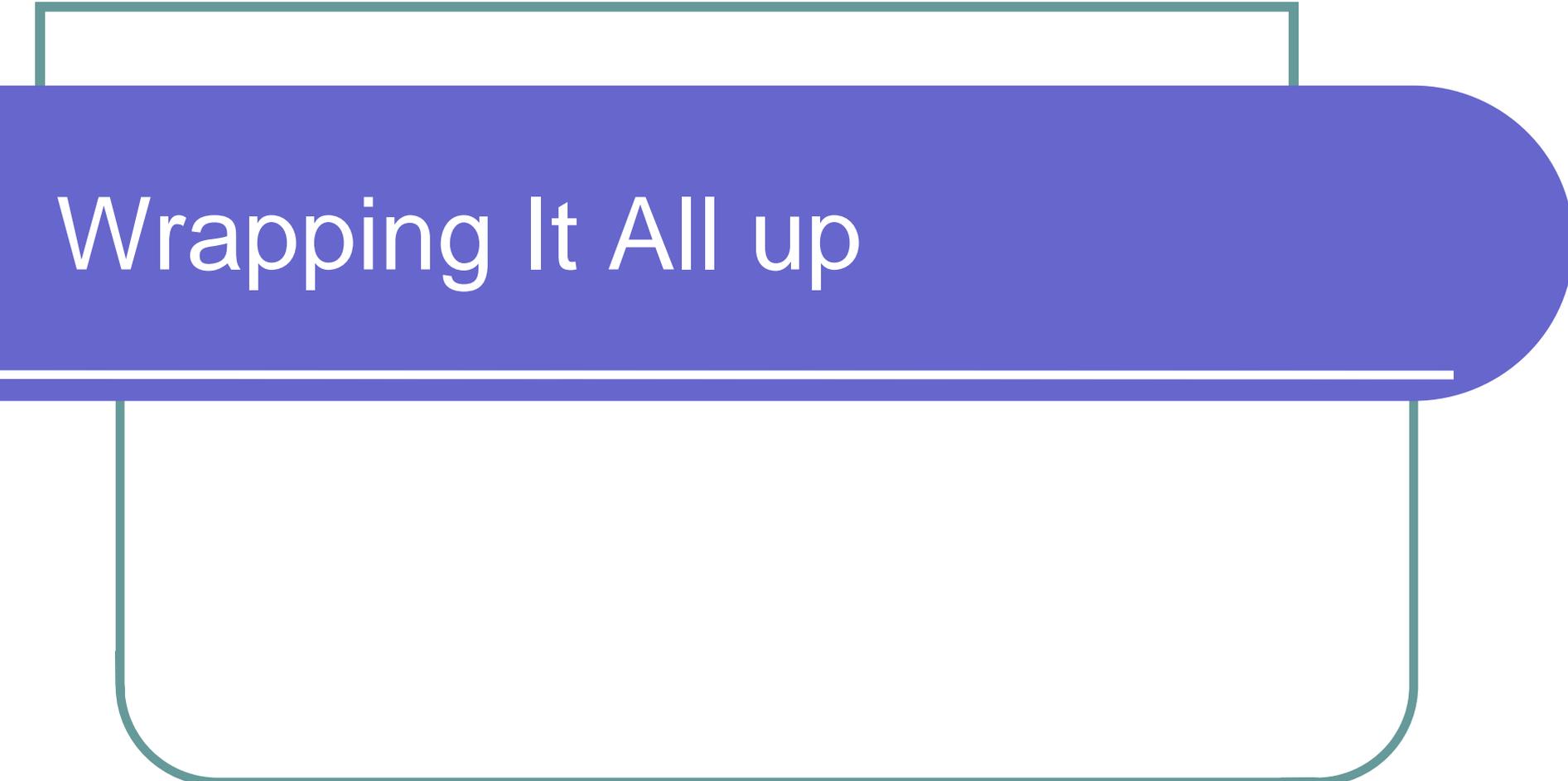
- Higher quality output
- Reduced development costs
- Well-defined contracts
- Loose-Coupling
- Reuse
- Version management

# Service Design Success Factors

- Satisfied community of consumers
- Repeatable success
- Easily recognized value proposition

# Semantic Design Success Factors

- Appropriate levels of granularity in service
  - Need for change is minimal as consumer base grows
- Services model business activity



# Wrapping It All up

# Success Is Contextual

- What is your goal?
  - Long-term agility?
  - Reducing costs?
  - Smoother IT/Business collaboration?

# Success Is Based On Intention

- What are you setting out to accomplish?
  - Proof-of-Concept
  - Complete re-engineering
  - Semantic mapping

# Success Is Non-deterministic

- Non-determinism
  - An outcome with one or more choice points where multiple different continuations are possible, without any specification of which one will be taken.
- What you think is successful, may only be a successful step in a much larger solution domain

Q&A

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