Module 9
SOA Design & Architecture Lab

Service Composition

- patterns*
  - Messaging Metadata (538)
  - Service Agent (543)
    - functions
      - routing
      - logging
      - validation
      - security-related processing

Service-Orientation

- principles **
  - Standardized Service Contract (751)
  - Service Loose Coupling (753)
  - Service Abstraction (755)
  - Service Reusability (756)
  - Service Autonomy (758)
  - Service Statelessness (760)
  - Service Discoverability (762)
  - Service Composability (764)

Orchestration

- patterns*
  - base
    - Process Abstraction (182)
    - Process Centralization (193)
    - State Repository (242)
    - Compensating Service Transaction (631)
  - expanded
    - Atomic Service Transaction (623)
    - Rules Centralization (216)
    - Data Model Transformation (671)

Service Inventory

- patterns*
  - Domain Inventory (123)
  - Service Normalization (131)
  - Logic Centralization (136)
  - Schema Centralization (200)

Service-Oriented Architecture Types

- service
- service composition
- service inventory
- service-oriented enterprise

Enterprise Service Bus

- patterns*
  - base
    - Service Broker (707)
      - Data Format Transformation (681)
      - Data Model Transformation (671)
      - Protocol Bridging (687)
    - Intermediate Routing (549)
    - Asynchronous Queuing (582)
  - expanded
    - Reliable Messaging (592)
    - Policy Centralization (207)
    - Rules Centralization (216)
    - Event-Driven Messaging (599)

Service Design

- patterns*
  - Decoupled Contract (401)
  - Contract Centralization (409)
  - Official Endpoint (711)
  - Service Facade (333)
  - Concurrent Contracts (421)
  - Redundant Implementation (345)
  - Service Data Replication (350)
  - Legacy Wrapper (441)

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* Numbers in parenthesis are page references from “SOA Design Patterns”.
** Numbers in parenthesis are page references from “SOA Principles of Service Design”.

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