Service-Oriented Enterprise Architecture

Reference Architecture for Establishment / Sustainment of a Service-Oriented Architecture Lifecycle

'Services' must be envisioned in a context – the 'Architecture'

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Fractal-EA Foundation for Fractal Enterprise Architecture

Enterprise SOA Lifecycle Management and Policy Governance View

- Service Level Agreement (SLA)
- Strategy and Prioritization
- Configuration Management
- Quality Assurance
- SOA Governance
- Change Management
- Requirements Guidelines
- Design Guidelines
- Operational EA Activity Monitoring Dashboard
- Executable EA Activity Monitoring Dashboard
- Implementation Guidelines
- Business Activity Monitoring Dashboard
- Security Activity Monitoring Dashboard
- SABSA® Contextual Security Architecture
- SABSA® Conceptual Security Architecture
- SABSA® Operational Security Architecture

Govern | Inform

SABSA® Logical Security Architecture (Govern)

SABSA® Logical Security Architecture (Govern)

SABSA® Logical Security Architecture (Govern)

Enterprise ISDE Requirements View

- Technical Requirements
- Functional Requirements

Continuous Innovation

Define, Constrain

Enterprise ISDE Design View

- Technology Profiles
- *Domain Model*
  - Services (Interfaces)
  - Messages (Data Structures)

Continuous Innovation

Map To

Influence

Enterprise ISDE Implementation View

- Service Definitions (WSDL Contract)
- Message Definitions (XML Schemas)
- XML Vocabularies

Define, Constrain

Store, Organize, Search, Display

Store, Organize, Search, Display

Execute Within

Enterprise Architecture Management (EAM) & Development Environment - Artifact Registry View

- Requirements Repository
- Design Elements Repository
- Implementation Artifact Repository

Business Model Lifecycle

Accurate "current state" definitions

Design Time | Runtime

As-Is Model

LOB1 / LOB2 / Innovate, Adapt & Optimize

As-Required Model

Composite Solution Delivery

Tools

Registry & Repository

Composite Application Platform

As-Assembled Model

As-Deployed Model

- Tasks
- Decisions
- Processes
- Services

Instant operational feedback

As-Operating Model

Business Activity Monitoring & Business Intelligence

'Component Software Construction', by Jean-Jacques Dubray

Enterprise SOA Foundation - Deployment View

- Networks
- Hardware / Systems Software
- Message Infrastructure

SABSA® Physical Security Architecture

Composite Application Model

'Component Software Construction', by Jean-Jacques Dubray

B2B Gateway

Business Services

Technical Services

Delivery Services

Business Process Engine

Enterprise Services

Registry

Metadata Repository

Security

Management & Monitoring

SABSA® Component Security Architecture

SABSA® Operational Security Architecture

Service Definition Framework (SDF) for Understanding and Discovery of Reusable Service Components

SABSA®

Sherwood Applied Business (Enterprise) Security Architecture