Different Architectures for Different Business Models?

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Future Internet Architecture

A polymorphic infrastructure, where the boundaries between silo systems are changing and blending and where the emphasis is on the integration, interrelationships and interworking of the architectural elements through new service-based interfaces
Architecture Design Process

Reference Architecture

Requirements, needs, demands

Design Activity

(produces)

(Description of) System Architecture

(property of)

Service-Based Software System
Applicability

Research

- SRA
- Research Projects
  - Project 1
  - Project 2
  - Project 3
  - Project 4

Adoption

- Deployment
  - Guidance for System Architects

Gaps to Address
- Attractive Foundation
- Consolidate Innovation

Open, coherent, consistent and comprehensive set of concepts and specifications

Guide to facilitate the precise implementations of interoperable service environments meeting requirements
NEXOF Reference Architecture Structure

- Standards Catalog
- Component Catalog (aka Building Blocks)
- Concrete (refers to products)
- Abstract (class of products)
- Abstract Design Patterns
- Top-level Patterns (system families)
- Implementation Design Patterns
- Pattern Ensemble
- Reference Specification

Reference Architecture

Guidelines and Principles
- About:
  - construction principles
  - reference properties
  - instantiation guidelines

Glossary
- About:
  - actors
  - functionality
  - information

Conceptual Model

Reference Model

Pattern 1
Pattern 2
Pattern 3
Pattern 4
Pattern 5
Pattern 6
Pattern 7

XXX SOA
YYY SOA

About:
- construction principles
- reference properties
- instantiation guidelines

About:
- actors
- functionality
- information

Reference Model

Contributing to NEXOF

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Reference Architecture Structure

Reference Architecture

Specification

Standards

Software Components

Associations

Guidelines & Principles

Model