



CBDI-SAE™ SOA KnowledgeBase



Version 3 Now Available

• Major Update Covering Application Modernization

CBDI Service Architecture & Engineering™

To assist organizations to accelerate and improve their practices for Application Modernization (AM) and Service Oriented Architecture (SOA) Everware-CBDI provides an SOA Process Toolkit – a knowledge base of Best Practices and Tools.

The knowledgebase is used by larger commercial and government end user organizations as well as consultancies and systems integrators worldwide as an accelerator for practice improvement. The practices are aligned with and provide the essential working level detail for important industry standards including SoaML, TOGAF and ITIL.

Many enterprises are engaged in application modernization activity and delivering SOA as an important modernizing architectural style. The Knowledgebase provides the essential formality of reference structure, policy and practice that is essential to govern inhouse or offshore deliveries. The Reference Framework, includes:

- A Reference Model and Reference Architecture for Model Driven Architecture and Delivery
- Detailed SOA deliverables with templates and worked examples based on the widely used CBDI Meta Model and UML Profile
- Extensive technique and practice guidance including detailed work breakdown structures
- eLearning modules

Benefits	<ul style="list-style-type: none"> • Consistent Enterprise-wide Blueprint. A common language and framework for describing and managing Services and Service-based solutions, and conducting AM projects. Eliminates confusion and facilitates cross enterprise collaboration and sharing. • Standards Based. Everware-CBDI is committed to working with the industry to deliver relevant standards, particularly those supporting automation and sharing. • Constantly Updated with best practice and the latest techniques. • Real World SOA and AM Experience. CBDI-SAE™ is based on real-world experience gained through consulting assignments and feedback from users.
Features	<ul style="list-style-type: none"> • Evolving. The Knowledgebase will continuously develop as practical experience is synthesized into best practice and new areas of guidance arise. • Open. The published reference model and meta-model enables integration of complimentary frameworks
Contents	<p>Learn: New to Service Oriented Architecture? Then this section lays out a path through Knowledgebase materials to learn the core concepts and principles of SOA and AM.</p> <p>Explore: Explore the Knowledgebase through the following content</p> <ul style="list-style-type: none"> • What: Understand the underlying frameworks and other components that provide the concepts and principles to ensure consistency in the delivery of SOA and AM • Why: Explore the motivations for applying SOA, and the triggers for specific SOA activities • When: Roadmap guidance ensures the right capabilities are in place at the right time for the successful adoption of SOA and AM • Who: Understand the roles and responsibilities of individuals and organizational structures that must perform SOA and AM activities <p>Execute: Perform SOA and AM Activities</p> <ul style="list-style-type: none"> • How: SAE provides a repeatable process for SOA and AM, including Process and Task decomposition, guidance and resources for Work Packages and Workshops • Resources: Tools and templates to help you perform key activities and produce key deliverables

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Application Modernization

Application Modernization Planning and Knowledge Discovery Context

AMP and KD Disciplines

Application Modernization Planning
Application Modernization Planning (AMP) produces the plan for the rationalization of one or more applications or a portfolio to improve business support, technology usage and life cycle and run-time delivery process.

Knowledge Discovery
Producing As-Is models and discovering detailed knowledge about the As-Is business, solutions and services through the inspection and analysis of current systems

AMP and KD Process Units

Title	Definition
Containing Discipline : Application Modernization Planning (5)	
Identify Candidate Components for Modernization	Produces an inventory and mapping of candidate components in current system that can participate in the To-Be Solution and Service Architecture – either reengineered, or As-Is
Prepare and evolve Application Modernization Plan	Develops the application modernization plan which will also evolve following subsequent iterations through units of scope, or increments of.
Prepare Current System Portfolio Assessment	Determine the current state of existing systems and their contribution to the business, and an outline assessment of their ability to meet new business requirements
Prepare System Agility Assessment	Prepare an assessment of the solution portfolio in terms of the agility of As-Is current systems and To-Be solutions and their potential for change. As well as the IT process that fosters agility
Produce Application Modernization Assessment and Strategy	Consolidates and cross references the deliverables produced in the Assess project life cycle phase, including assessments of business improvements, current systems portfolio, and application modernization capabilities, together with an outline strategy for the Application Modernization project
Containing Discipline : Knowledge Discovery (2)	
Analyze Current System	Analyze and extract the detailed knowledge encapsulated in candidate components of the current systems to be used in the To-Be
Produce Current System Model	Produces a model describing the

Agile Application Modernization Project Phases

In context with Application Modernization, the phases cover:

- Assess:** Obtain initial business requirements and assess current system status, structure, issues and opportunities, functional backlog and agility potential.
- Plan:** Produce plans and architectures including the Business improvement plan, Service and Solution architectures (at an outline level), the Application modernization plan, and any Reference Architecture that will underpin the work.
- Analyze:** Produce detailed To-Be models and architectures as well as models of current systems, fit the scope of the modernization project.
- Deliver:** Realize the plan by provisioning new or reengineering existing assets, and assembling and deploying the solution.
- Evolve:** Transition (go live) to the new business and solution, then measure/monitor and produce refinements (to the assessment, plans or realizations)

Agile AM Project Phase Guidance

Name

- The Agile Application Modernization Project - Introduction
- The Agile Application Modernization Project - Assess Phase
- The Agile Application Modernization Project - Plan Phase
- The Agile Application Modernization Project - Analyze Phase
- The Agile Application Modernization Project - Deliver Phase
- The Agile Application Modernization Project - Evolve Phase

Application Modernization Deliverables

Deliverables (Produced Artifact)

Containing Discipline : Application Modernization Planning (5)

Additional eLearning modules and syllabus, now supporting Certification

100 Basic SOA Concepts (06/07 / 12:18)

Lawrence Wilkes

Outline Thumbnails Notes Search

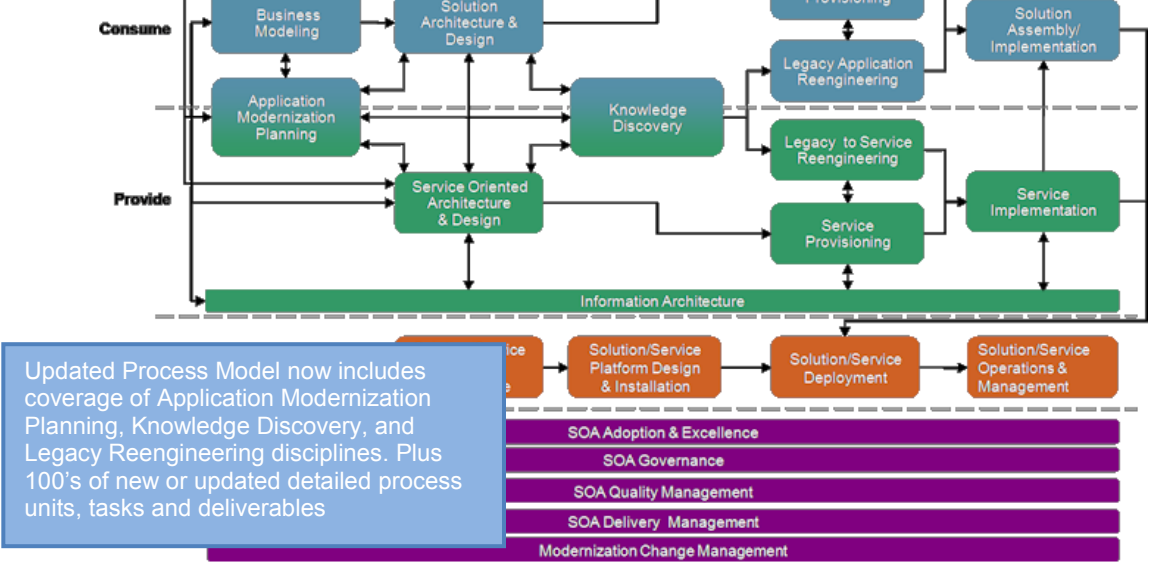
1. Basic SOA Concepts
2. Agencies
3. The Simple Concept of Service
4. Providing Flexibility and Agility

Where or by V Both Business (SOA)

11. Service Oriented Architecture (SOA)
12. Service Architecture & Engineering (SAE)
13. SAE Process Framework
14. Recap
15. End

What is a Software Service?

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Updated Process Model now includes coverage of Application Modernization Planning, Knowledge Discovery, and Legacy Reengineering disciplines. Plus 100's of new or updated detailed process units, tasks and deliverables