

Interwoven® Composite Application Provisioning Solution & BEA® AquaLogic™ Accelerating SOA Applications

The SOA Challenge

Companies today are under immense competitive pressure to increase agility and respond to customer demand with timely innovation, while improving operational efficiency and lowering costs. As businesses strive to bring new solutions to their customers more quickly, they depend on the IT organization's ability to deliver new services, reuse existing services and streamline the provisioning and deployment of SOA or composite applications.

Also referred to as custom applications or Web applications, composite applications depart from traditional packaged and mainframe applications in several ways. Assembled by linking together existing application functions which are exposed as standards-based services in the right way, they can be developed more quickly than an application built entirely from scratch.

Business agility depends on the free flow of information, services, and business processes across the organization. This flow may be stymied by the heterogeneous nature of the typical large enterprise's IT environment. Diverse platforms (such as IBM, BEA, Microsoft, SAP, and Oracle) and technologies (J2EE, .NET, SCM tools, CMS tools, legacy, etc.) require IT to hard-code the point-to-point connections, hampering information flow and slowing the delivery of new business services.

Service-Oriented Architecture (SOA) has emerged as the leading IT strategy for streamlining service delivery. An SOA takes the discrete business functions contained in enterprise applications and organizes them into interoperable, standards-based services that can quickly be combined and reused in composite or Web applications and processes. Unfortunately, existing infrastructure solutions were not designed to manage composite applications or SOAs in environments that have such divergent technology portfolios. Achieving the full benefits of an SOA requires a new category of enterprise software—one built specifically to manage the SOA life cycle in heterogeneous environments.

Composite Application Challenges

- Overwhelming change requests creating an IT bottleneck
- Manual error-prone deployment processes
- Data and application integrity
- High costs associated with bringing new applications to market
- IT compliance and governance regulations

A New Approach

In order to meet these requirements, IT requires a solution to streamline the SOA process from development through to production. Development teams require a way to manage SOAs and IT operation groups need a way to streamline the services to production.

The Interwoven Composite Application Provisioning (CAP) Solution provides an ideal solution for provisioning composite or Web applications. By streamlining the application lifecycle, this solution provides a way to standardize the aggregation, synchronization and deployment of all the code, content and configurations to testing, staging and production, while tracking change activity and ensuring application integrity and compliance.

The CAP Solution gives IT Operations the ability to automate the provisioning of composite applications through a standard process while providing efficiency through scheduling, version control and rollback capabilities, and features configurable workflows to streamline the release process. By automating a typical error-prone manual process of provisioning composite applications, organizations can accelerate the availability of critical business applications to the organization and slash release management costs by an average of 40%.

The CAP Solution also meets key IT compliance requirements by delivering a repeatable process for aggregating, synchronizing and deploying composite applications while offering an auditable trail, full reporting and retention, guaranteeing data integrity of all composite applications.

BEA AquaLogic is the first family of service infrastructure products built from the ground up to manage SOAs. This new service-infrastructure software adheres to the SOA principles of coarse grained, loosely coupled, and standards-based services that isolate the complexities of underlying technologies, creating a "neutral container" in which business functions may thrive regardless of underlying infrastructure.

BEA AquaLogic lets services built on virtually any platform—J2EE, .NET, SAP, Oracle, IBM, and others—be discovered, secured, managed, and assembled into composite applications and processes. BEA AquaLogic is the most comprehensive product suite available for enterprises that want to successfully deploy an SOA across their organization and achieve the prime benefits of SOAs: better business agility and efficiency.

Accelerating SOA Applications

This joint solution delivers a seamless and accelerated integration between the management and reuse of SOAs and the provisioning of SOA application components. Developers can easily reuse and build SOA applications and IT operations can quickly and easily provision change sets from development to production.

Joint Solution Benefits

- Increase business responsiveness, efficiency, and agility
- Accelerate application time-to-market from days to minutes
- Eliminate manual error-prone processes
- Reduce complexity, increase reuse, and lower application life-cycle costs by an average of 40%
- Leverage code and content built within any system and services built on any platform
- Meet key IT compliance and governance regulations (SOX, SEC, ITIL, COSO, etc.)

For example, if a developer needs to create a new online order application, it could be created by tying together services that provide functionality needed for this type of service. Let's say that this particular application requires the following steps—obtain and store a customer record, look up an account balance, check the credit of a user, calculate tax and shipping costs, and initiate a work order. Each one of these steps could be represented as a service to the composite application. The service is the interface to an underlying application (such as a J2EE application) that actually performs the task. The developer can reuse these services by abstracting the functional details, eliminating the need to implementing these functions from scratch.

The CAP Solution would then aggregate the components (such as the underlying J2EE or .NET applications) used for the composite application and provisioning them to production. The CAP Solution provides workflow, versioning, and reporting around the deployment of the composite application components.

BEA AquaLogic efficiently manages the SOA development and the CAP Solution provisions the underlying granular applications that are needed by the composite application.

About Interwoven

Interwoven, Inc., provider of Enterprise Content Management (ECM) solutions for business, enables organizations to unify people, content and processes to minimize business risk, accelerate time-to-value and sustain lower total cost of ownership. Interwoven delivers deep industry-specific solutions which reduce business process cycle time from initial collaboration through design, production, sales, marketing, legal review, IT and service. Interwoven leads the industry with a service-oriented architecture today and easy-to-use, best-in-class components and solutions. Today, 3,600 enterprises, law firms and professional services organizations worldwide are Interwoven customers, including BT, Ford, Freshfields Bruckhaus Deringer, General Motors, Jones Day, Motorola and Yamaha. For more information visit www.interwoven.com/cap.

About BEA

BEA Systems, Inc. is a world leader in enterprise infrastructure software. BEA delivers the unified SOA platform for business transformation and optimization in order to improve cost structures and grow new revenue streams. Information about how BEA is enabling customers to achieve Business LiquidITy™ can be found www.bea.com.

Interwoven, Inc.
803 11th Avenue
Sunnyvale, CA 94089 USA
(408) 774-2000

Interwoven, TeamSite, Content Networks, ControlHub, OpenDeploy, MetaTagger, DataDeploy, DeskSite, iManage, FileSite, MediaBin, MetaCode, MetaFinder, MetaSource, OpenTransform, Primavera, TeamPortal, TeamXML, TeamXpress, VisualAnnotate, WorkKnowledge, WorkSite, WorkDocs, WorkPortal, WorkRoute, WorkTeam, Microsoft Outlook is the registered trademark of Microsoft, Corp., the respective taglines, logos and service marks are trademarks of Interwoven, Inc., which may be registered in certain jurisdictions. All other trademarks are owned by their respective owners. Copyright 1996-2006 Interwoven, Inc. All rights reserved. sbcbea_1 September 2006.