



Positioning Primer: Logidex and HP SOA Systinet

I. Overall market position

"SOA necessitates new processes, ranging from governance, through development, to operations."

Gartner, Positions 2005: Service-Oriented Architecture Adds Flexibility to Business Processes

SOA governance isn't optional -- it's imperative. Without it, return on investment will be low and every SOA project out of pilot phase will be at risk.

-Gartner Jan 2006

In 2006, lack of working governance mechanisms in midsize-to-large (more than 50 services) post-pilot SOA projects will be the most-common reason for project failure.

-Gartner Aug 2006

- a. IT organizations must become more skilled at managing the entire lifecycle of SOA applications or face a dramatic increase in downtime due to application failures. Gartner projects that SOA-based applications will fail 50% more than traditional client server applications.¹

¹ Gartner Group Report - Use Full Life Cycle Management to Reduce SOA Downtime June 1 2007, Milind Govekar ID Number: G00144572

- b. Logidex is a best-of-breed development-time service lifecycle governance platform that, when combined with HP SOA Systinet, the leader in SOA Governance provides the premier service lifecycle governance solution that increases service adoption while lowering SOA implementation risks.

II. Market need

- a. SOA is not sequential; it is iterative and fluid, with information management and governance needs crossing the traditional lines of development and run-time environments that are now blurred and overlapping.
- b. For enterprises to successfully migrate to an SOA they require:
 - a firm understanding of and access to legacy assets and artifacts that span the Software Development Lifecycle (SDLC)
 - architectural governance that ties business priorities and portfolio level decisions to the decisions in specific projects of whether to build and consume services
 - trust and effective coordination between service producers and consumers, allowing services to be defined, implemented and managed using both automated governance integrations (e.g. Logidex with HP SOA Systinet Policy Manager and HP Quality Center) and role-based reviews and approvals, thereby ensuring service quality from producer to consumer.
- c. To be successful at SOA, enterprises need to take a broad perspective concerning the SOA service's lifecycle and associated stakeholders; managing the evolution of an SOA service from its inception into the portfolio, to its implementation, and finally to its consumption and management while in production.
 - i. Given the broad set of stakeholders involved, there is a need to recognize that no single product is able to carry out the overlapping functions of these stakeholders across the entirety of the service's lifecycle.
 - ii. Also, governance is acknowledged as the key ingredient to success for SOA. Governance is required throughout the service's lifecycle, including the project and portfolio management, and including the management of architectural and software development assets (SDA) during service consumption and management.
 - iii. Development organizations that do not take a governance perspective to SOA are simply "hoping" that the services they

- produce will be consumed and managed successfully by the organization.
- d. Only with processes and integrated products that span the entire service lifecycle can organizations be assured that they are obtaining the benefits of increased agility and reduced costs promised by SOA. Logidex provides Business Analysts, Architects, Developers and Project Managers the needed visibility and metrics when evaluating and assessing the effectiveness of their service development efforts. Logidex's integration with HP products allows development organizations the ability to extend their governance capabilities with HP's SOA governance and management solutions, thereby significantly increasing the ability to be successful with SOA.

III. Value of the Logidex Integration with HP SOA Systinet:

- a. Logidex, as a service development-lifecycle governance platform, addresses many of the core issues that are present at the start of an SOA project or reuse initiative:
 - What legacy assets are needed to facilitate a transformation to SOA?
 - How do we manage our SDLC (Software Development Lifecycle) as we migrate to SOA?
 - How do I leverage my open source, IBM and Microsoft based application tools as we create, use and manage our services?
- b. HP SOA Systinet, a SOA System of Record and SOA Governance platform helps Business Stakeholders, Enterprise Architects and Service Providers to:
 - promote visibility of the SOA service portfolio;
 - promote the creation of mutual trust between service consumers, providers and key operations stakeholders, and in so doing, drive SOA adoption and service use; and
 - Create and automate the enforcement of policies that govern the definition, implementation and runtime of services in accordance to customer and industry best practices.
- c. Logidex's core SDA governance and management capabilities ensure that service provider development and architecture teams produce services in accordance with the organization's business and technical architectures, best practices and SOA policies. By integrating with HP SOA Systinet Information Manager (for service document and metadata synchronization) and Policy Manager (for automated policy validation at designated SDLC checkpoints), SDLC activities are now

- visible to a broad set of prospective consumers. By leveraging HP's SOA service catalog, Logidex exposes these governed services to service consumers' application developers within their preferred toolset, the IDE. Customers benefit by having an integrated environment to implement, govern and manage services at the same time as fostering greater visibility and improved collaboration between stakeholders throughout the service's lifecycle.
- d. HP's own provides SOA management capabilities. These provide information to the development teams to validate actual production performance. It also provides information on the achievement of service level agreements. Combined, this increases the trust that services will behave in production as promised, which increases trust by potential service consumers, and this in turn leads to increased re-use and SOA adoption.

IV. What does a Logidex and HP SOA Systinet Solution Deliver to Customers?

Service Production

- a. HP SOA Systinet provides visibility at the business and enterprise architecture level into the organization's existing and planned service portfolio. These SOA stakeholders use Systinet to identify and define candidate services in line with the organization's portfolio management decisions (e.g., via HP PPM).
- b. As candidate services are prioritized, their governance state is advanced within Systinet and this in turn triggers activity within Logidex related to the development of services.
- c. The planned services' production SDLC is governed by Logidex. As the service progresses through various stages/gates, Logidex leverages Systinet's policy validation capabilities to ensure service compliance and synchronizes both service lifecycle governance state and service artifacts back to Systinet. In turn, at the appropriate points during the service lifecycle, using the SDLC lifecycle information provided by Logidex, HP SOA Systinet's Information Manager deploys service definitions to test, pre-production and production environments as appropriate, thereby initiating the necessary service testing, certification and management respectively as defined by the service lifecycle. This combination of capabilities ensures that services are properly governed throughout their full lifecycle.

Service Consumption

- a. Business stakeholders and Enterprise Architects use HP SOA Systinet to define candidate applications and to survey the production and planned services available to support these candidate applications. Again, these decisions are made in concert with appropriate portfolio management processes and products.
- b. Planned applications are assigned to development teams and their development activities are governed by Logidex. As part of this governance process, developers select services for inclusion into the application and choose from available service level agreements for the selected services. Logidex initiates contract generation requests to Systinet, thereby establishing early in the development process mutual application-to-service dependencies within both Logidex and the HP SOA Systinet service catalog.
- c. HP SOA Systinet applies contractual terms to service usage, both through reporting and application-to-service service level management activities that are enforced by HP SOA management solutions once consumption of the service is initiated by the application.

V. Business Benefits of a Combined Logidex and HP SOA Systinet Solution

- a. SOA Service lifecycle governance done effectively requires coordination and communication across a wide ranging set of enterprise stakeholders and activities. HP SOA Systinet and LogicLibrary Logidex present a complementary set of governance capabilities across the lifecycle. Combining their capabilities gives IT organizations a comprehensive solution for building, deploying and managing SOA services and composite applications.
 - A flexible and agile way for service producers, consumers and operations to manage and govern their service and SOA initiatives throughout the lifecycle
 - An easy way to track and calculate your service ROI based on delivery and usage metrics
 - Achieving business and IT alignment by having clear definitions of service governance combined with advanced tracking and reporting, providing the optimum alignment of business and IT
- b. These combined capabilities greatly enhance the opportunities for a successful adoption of SOA by improving service usage and reducing the risks of SOA initiatives.



Summary Positioning:

Only with processes that span the entire service lifecycle can organizations be assured that they are obtaining the benefits of increased agility and reduced costs promised by SOA.

HP PPM is intended for the portfolio management portion of the lifecycle. It enables the PMO to make effective decisions regarding how to prioritize development projects and to make effective build vs. buy decisions.

Logidex is intended for the development portion of the service lifecycle. It enables Business Analysts, Architects, Developers and Project Managers to improve their ability to respond quickly reduce the cost of projects, and evaluate the effectiveness of their service development efforts.

HP SOA Systinet provides a SOA system of record to the entire organization, increasing service visibility and reducing service duplication. Additionally, it provides a governance platform that enables Service Providers and Service Consumers to increase trust, which leads to greater SOA adoption, and to manage and automate the enforcement of policies.

HP Quality Center provides QA Organizations the capability to ensure the performance, functional quality and security of the services and composite applications provided by development.

HP SOA Management products provide IT Operations the capability to monitor and manage SOA services and composite applications in production, reducing costly outages and improving time to resolution of any issues.