

ZAPTHINK ZAPNOTE™

LOGICLIBRARY LOGIDEX PLATFORM FOR SOA GOVERNANCE

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Abstract

Logidex 4.0 is a collaborative software development asset management solution that gives organizations the ability to identify, manage and govern the design, development and consumption of Services as part of a Service-Oriented Architecture initiative. Through its support for the UDDI Web Services publication and discovery standard, coupled with its integration with Blue Titan's Network director product, Logidex provides a SOA governance platform that supports the entire SOA lifecycle.

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Software Asset Development Library for SOA

Pittsburgh-based LogicLibrary provides software and services for managing and reusing all kinds of software development assets. In particular, LogicLibrary provides a collaborative approach for creating, migrating and integrating enterprise applications for use in Service-Oriented Architecture (SOA) initiatives. Their flagship product, *Logidex*, offers enterprise architects, technical architects, developers and other IT professionals the ability to improve the software development process, reducing costs and enhancing application security.

Logidex is fundamentally a library of software development assets. Logidex offers a search and scoring engine that assists the members of the SOA team with finding and evaluating the right assets and associated artifacts. Logidex maps assets to a company's business and technical models, providing a context for those assets. Logidex then enables collaboration among SOA team members, both within the enterprise and with partner organizations. It also enables asset tracking and management, improving efficiency and reuse of assets across the organization.

Among the assets that Logidex can store and manage are the various metadata that an SOA can leverage, from Service contracts and policy documents to architectural artifacts. This combination of registry and repository capabilities facilitates the development and deployment of SOA implementations, and also addresses different elements of SOA governance once companies deploy their Services.

SOA governance is an overloaded term, with related but different meanings at design time and runtime. At design time the focus is on increasing the reuse of Services, while at runtime managing and enforcing policies are paramount. Logidex has long offered governance of the consumption of Services. Now, Logidex also offers the governance of the production of Services as well. As a result, Logidex is a SOA governance platform that spans the application development lifecycle from functional requirements through design and development to operations and deployment.

UDDI and the SOA Repository

Logidex is an asset repository, but works closely with SOA registries. Asset repository and SOA registry capabilities are, in fact, complementary. Asset repositories are applicable to a wide variety of artifacts and other resources, while registries help catalog and discover those assets, both at design time and at runtime.

Central to the operation of a SOA registry is The Universal Description, Discovery and Integration (UDDI) protocol, which is the core Web Service publication and discovery standard. Registries that support UDDI can enable a standards-based, interoperable platform that helps companies dynamically find and use Web Services. Logidex offers a repository that supports UDDI, and also extends SOA governance to UDDI registry capabilities. In essence, LogicLibrary included capabilities in Logidex for governing the UDDI publication process.

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Earn rewards for reading ZapThink research! Visit www.zapthink.com/credit and enter the code **LOGUDDI**. We'll reward you with ZapCredits that you can use to obtain free research, ZapGear, and more! For more information about ZapThink products and services, please call us at +1-781-207-0203, or drop us an email at info@zapthink.com.



Logidex is UDDI-compatible, and is complementary to registries that support UDDI. Logidex offers management, control, and visibility of Services registered in a UDDI-compatible registry. By enabling the management of operational UDDI registries, Logidex brings together the development and operational views of Services.

Furthermore, Logidex adds jUDDI support to its already broad range of automated UDDI governance capabilities, allowing organizations to greatly simplify the process of managing and promoting Web Services. jUDDI is an open source Java implementation of the UDDI specification for Web Services. Two Logidex customers are currently using Logidex's jUDDI open source UDDI support. jUDDI only supports UDDI version 2.0, but these customers find that support adequate for their needs. LogicLibrary has tested Logidex/jUDDI integration and interoperability, and it is sufficient for operational uses at runtime. The combination offers standard lookup and runtime binding capabilities.

jUDDI is complementary to Logidex at design time, and Logidex supports Blue Titan's Network Director, which links design and runtime implementation. The combination of Logidex and Network Director therefore provides both design time and runtime governance of Services across the SOA lifecycle.

The ZapThink Take

It is important for enterprise users to understand that comparing UDDI and repositories is an apples-to-oranges comparison, because UDDI is a standard and repositories are products. In fact, a well-designed repository with strong UDDI support enables organizations to most efficiently govern and utilize their software assets. The best SOA and Web Services products provide customers with multiple approaches, giving them the flexibility to choose what is most beneficial for their organization. Logidex's repository and registry support for the design and development of Services, combined with its ability to complement tools such as UDDI and Blue Titan, provides SOA governance for the operational and deployment aspects of each Service.

Product Features

LogicLibrary Logidex 4.0

Overview:

Logidex 4.0 is a collaborative software development asset management solution that enables the creation, integration and governance of enterprise applications throughout the application lifecycle. Its mapping and discovery engine gives organizations the ability to identify, manage and control the design, development and consumption of Services within an SOA implementation. Logidex offers asset visualization and collaboration capabilities, dynamic metrics, and integration with a wide range of development platforms.

Features:

- *SOA Governance* – through its UDDI support and integration with Blue Titan Network director, Logidex offers governance of the entire SOA lifecycle.
- *Dynamic Asset Metrics* – developers and architects can make informed decisions with quick access to key metrics.
- *Asset Relationship Visualization* – Logidex graphically



represents asset-to-asset relationships, enabling customers to determine the impact that relationships have on new and existing applicatio developments.

- *Really Simple Syndication (RSS) Support* – Logidex users can track asset forum updates and persistent searches via RSS.
- *Smart Controls* – an extensible software development asset governance framework that gives customers the ability to control how they produce and deploy their assets, by defining their own asset management validations, processes and roles, which Logidex then automates.

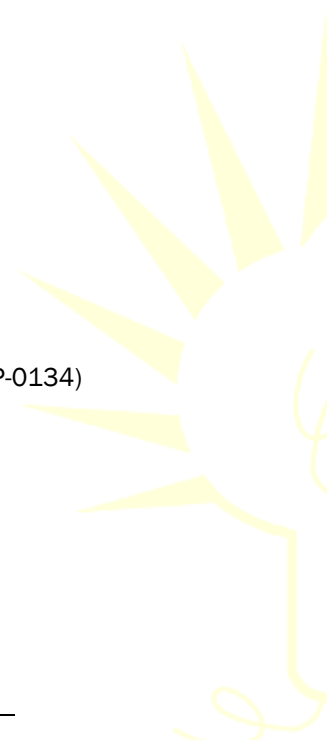
Value Proposition:

Logidex 4.0 makes it easier for organizations to actively govern software development assets and metadata assets associated with the SOA lifecycle. Logidex simplifies impact analysis, provides a deeper understanding and control of assets, and delivers automatic dissemination of asset information to users.

Profile: LogicLibrary	December 2005
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Related Research

- *SOA Tools and Best Practices Foundation Report* (ZTR-WS107)
- *SOA Governance: IT Governance in the Context of Service Orientation White Paper* (WP-0134)
- *LogicLibrary ZapNote* (ZTZN-1183)
- *WebLayers ZapNote* (ZTZN-1176)
- *Infravio ZapNote* (ZTZN-1187)
- *Systinet ZapNote* (ZTZN-1096)



About ZapThink, LLC

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ZapThink helps its customers in three ways: by helping companies understand IT products and services in the context of Service-Oriented Architecture (SOA) and the vision of Service Orientation, by providing guidance into emerging best practices for Web Services and SOA adoption, and by bringing together all our audiences into a network that provides business value and expertise to each member of the network.

ZapThink provides market intelligence to IT vendors and professional services firms that offer XML and Web Services-based products and services in order to help them understand their competitive landscape, plan their product roadmaps, and communicate their value proposition to their customers within the context of Service Orientation.

ZapThink provides guidance and expertise to professional services firms to help them grow and innovate their services as well as promote their capabilities to end-users and vendors looking to grow their businesses.

ZapThink also provides implementation intelligence to IT users who are seeking guidance and clarity into the best practices for planning and implementing SOA, including how to assemble the available products and services into a coherent plan.

ZapThink's senior analysts are widely regarded as the "go to analysts" for XML, Web Services, and SOA by vendors, end-users, and the press. Respected for their candid, insightful opinions, they are in great demand as speakers, and have presented at conferences and industry events around the world. They are among the most quoted industry analysts in the IT industry.

ZapThink was founded in November 2000 and is headquartered in Waltham, Massachusetts. Its customers include Global 1000 firms and government organizations, as well as many emerging businesses. Its analysts have worked at such firms as IDC, marchFIRST, and ChannelWave, and have sat on the working group committees for standards bodies such as RosettaNet, UDDI, and ebXML.

Call, email, or visit the ZapThink Web site to learn more about how ZapThink can help you to better understand how SOA will impact your business or organization.

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