



Natural Business Services

DELIVER RICH RE-USABLE WEB SERVICES

GET MORE FROM YOUR NATURAL INVESTMENTS

Germany's largest specialized retailer uses Natural Business Services to turn existing Natural applications into Web services—fast! "Natural is strategic to our business. Compared to other development environments we've used, Natural is highly productive and users can learn it very quickly."

Thomas Reimann
Apollo Optik, Germany

Natural Business Services is a service-oriented development environment that lets you quickly create rich Internet applications and re-usable Web services on any platform using new or existing logic.

Why start over from scratch? Save time and money by building new Web services that can be re-used and easily integrated into a Service-Oriented Architecture (SOA).

Natural Business Services from Software AG can help. It's the only full life-cycle service development and runtime environment to operate natively on mainframe, UNIX and Linux platforms.

Highly flexible, Natural Business Services lets you integrate applications seamlessly into multiple development environments, such as Microsoft Visual Studio, Eclipse and Natural for Windows.

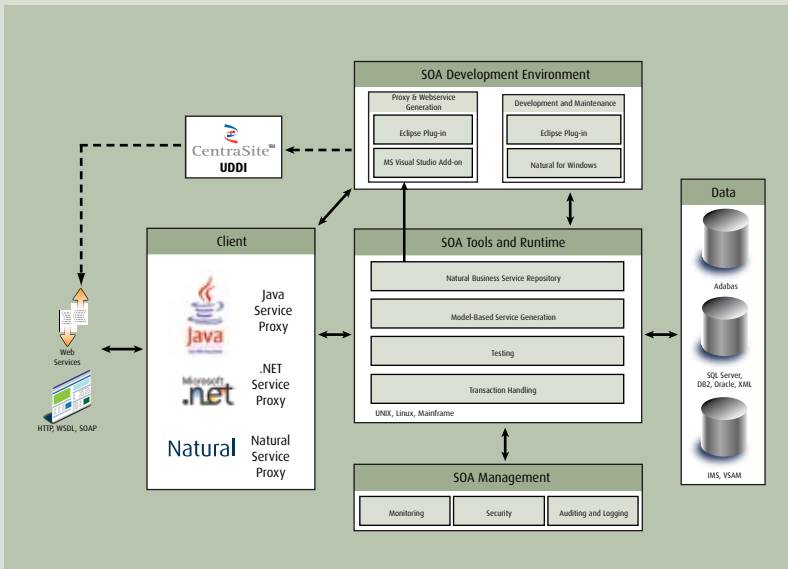
Using Natural Business Services, you can:

- Build new Web services that can be re-used for Java, .NET or SOA environments
- Deliver enterprise-scale services with all the proven capabilities of the mainframe and high-end open-system servers
- Create new Natural services up to 90% faster

How it works

Natural Business Services uses a powerful model-based generator to automatically create and integrate code as well as new services. That means little or no coding on your part! You can easily enhance and customize new services to your needs by storing them in a UDDI repository, such as CentraSite, the leading SOA registry and repository co-developed by Software AG and Fujitsu.

NATURAL BUSINESS SERVICES ARCHITECTURE



Key features

- Increased productivity

Java programmers do not need Natural skills to use Natural Business Services. Because Natural services are exposed as Web services, your developers need only minimal training to get up to speed. They can work in their own familiar environment (Visual Studio, .NET or Eclipse), generating service proxies in .NET or Java. New Natural developers can quickly identify and access business services based on Natural applications.

- Improved customer service

One enterprise in the U.S. uses Natural Business Services to rapidly create new custom Web sites. Using Natural Business Services, you can create re-usable services that are then delivered in a single self-service online application.

- Worry-free development

Moves service interfaces and implementations to other environments and platforms without worrying about consistency between the service and the service repository entries. You'll be able to focus on the resources of a service and not the whole application, making it easier to quickly deploy

service interfaces between development, test and production environments.

- High security

Using the provided Natural plug-in, you can define security roles and set permissions for individual services and across groupings of services. Grouping services into domains with common security settings allows you to easily secure them—and quickly change permissions if necessary. Use the monitoring tool to control operation as well as communication.

Your benefits

- Model-based generator

Automatically creates and integrates code.

- Service repository

Helps you understand and re-use services. You'll know the methods each service supports and its configuration parameters, helping you develop quickly and consistently again and again.

- Service repository browser

Simplifies analysis, linking technical and business metadata so you can identify services available, re-use existing services and improve communication between business analysts and IT.

- Service creation wizard

Allows you to browse existing subprograms and quickly map interfaces and functionality into business services. The wizard simplifies change management by decoupling service interfaces and implementation.

- Built-in testing tools

- Tests generated services using JUnit (for Java) or NUnit (for .NET)
- Generates a test client form displaying input and output parameters
- Tests service implementation based on Natural code
- Develops test cases and data
- Assigns the testing process to business services

- Security features

Makes it easy to safeguard your services from a security breach.

- Platform support

Includes z/OS, z/VSE, BS2000/OSD, UNIX and Linux.

Prerequisites

- Natural Productivity Package Standard or Professional Edition or Natural for Windows and the Natural Development Server
- EntireX Communicator or the Natural Communicator for communication from the Eclipse plug-in and during runtime

Software AG has offices in over 70 countries. To find the office nearest you, please visit:

www.softwareag.com

© 2007 Copyright Software AG
All rights reserved. Software AG and all Software AG products are either trademarks or registered trademarks of Software AG. Other product and company names mentioned herein may be the trademarks of their respective owners.