



Natural for AJAX

DELIVER RICH INTERNET APPLICATIONS – FASTER!

Build new Web applications quickly – and modernize existing Natural applications without restructuring source code. Natural for AJAX makes it easy to deliver today's Rich Internet Applications – so you meet your goals faster!

Now you can use one of the world's most productive development environments – Natural – to create new Web applications with Web 2.0 capabilities. You can also transform Natural applications into Rich Internet Applications (RIAs) that are in sync with today's business. It's all possible with Natural for AJAX, the low-risk approach to modernization that makes the most of your existing business logic and IT assets.

Using Natural for AJAX, you can:

- Empower Natural developers to build RIAs – on time and within budget
- Create Web applications that look and perform like robust desktop applications
- Improve end-user satisfaction by turning 'green-screen' applications into intuitive RIAs

HOW IT WORKS

Natural for AJAX has a code-free design tool and more than 50 out-of-the-box GUI controls for fast development of RIAs based on AJAX technology. Using new Natural syntax, you can quickly develop AJAX-based applications that access Adabas, DB2, IMS, DL/I, VSAM or an RDBMS. Applications can be deployed on standard J2EE servers, such as JBoss or the Sun Java System.

Modernize applications – fast!

Quickly transform Natural applications into Web-based applications without restructuring source code. The same developers can create both the front-end user interfaces and back-end business rules from within the same integrated development environment when they also use Natural for Eclipse.

Improve workplace efficiency

Shield employees, partners and customers from the complexities of existing applications by modernizing them into RIAs. You'll be able to deliver a more responsive end-user experience than "old style" HTML/HTTP-mediated Web pages. Using Natural for AJAX, you also can extend access to Adabas, DB2, IMS, DL/I, VSAM and RDBMS data across your enterprise and with partners to improve and accelerate decision-making.

"Our pilot program has shown that we can quickly and flexibly develop Rich Internet Applications with Natural for AJAX that satisfy both our users' requirements for a modern Web interface and also their need for correspondingly good response time. This applies not only to new development but also migration of existing applications to AJAX Web technology."

- Walter Lassnig, City of Salzburg Information and Communications Centre

FEATURE What it is...	ADVANTAGE Why it's better...	BENEFIT What's in it for me...
Application Designer	<ul style="list-style-type: none"> • Layout painter for code-free Web-page design • WYSIWYG preview lets you test applications • More than 50 out-of-the-box UI controls • Supports *LANGUAGE system variable and DTFORM (Date Format) 	<ul style="list-style-type: none"> • Increase productivity by making design fast and intuitive • Simplify how Natural developers create rich, interactive UIs • Write multilingual applications more easily • Improve end-user acceptance since user always sees the format of the local date representation
New Natural syntax	<ul style="list-style-type: none"> • To display a Web page: PROCESS PAGE USING <Adapter> • To capture user interaction: DECIDE ON FIRST *PAGE-EVENT • To update data on Web page: PROCESS PAGE UPDATE • To display a pop-up window: PROCESS PAGE MODAL • Both 'green-screen' and browser-based interfaces can be accessed from within a single application 	<ul style="list-style-type: none"> • No need to learn or have experience in JavaScript, HTML or CSS • Straightforward approach to building RIAs • Users can select the UI they prefer
Map2Page conversion utility	<ul style="list-style-type: none"> • Allows you to convert Natural maps to AJAX pages for RIAs 	<ul style="list-style-type: none"> • No need to learn or have experience in JavaScript, HTML or CSS • Preserve and extend valuable core applications • Increase value of Natural development team • Reduce costs and increase productivity
WebIO rendering	<ul style="list-style-type: none"> • Improved look and feel for Web output of INPUT and INPUT USING MAP statements, including: style sheets at log-on or through a configuration file; dynamic style sheets; PF keys and background color; customizable fonts; and ability to use %W commands to do Natural "windowing" in an AJAX page • Allows fast transition from screen-based apps to Web apps without the need to define full AJAX rich pages 	<ul style="list-style-type: none"> • Maximize productivity of Natural development team • Speed up GUI application development • Preserve and extend valuable core applications • Leverage existing development skills
Single sign-on to multiple sessions running on the same Natural server	<ul style="list-style-type: none"> • Uses the same user id and password to log onto multiple sessions 	<ul style="list-style-type: none"> • Enhance developer efficiency • Simplify use for Natural administrators
Administration page to maintain AJAX session profiles	<ul style="list-style-type: none"> • Administration now accomplished with an administration utility 	<ul style="list-style-type: none"> • Simplify and speed up administration
Multi-language management system	<ul style="list-style-type: none"> • All literals in GUI layout definitions and application code can be replaced by language-specific strings • User can select language at sign-on 	<ul style="list-style-type: none"> • Supports global users with a single application • Ideal for multinational businesses
Standard deployment platforms	<ul style="list-style-type: none"> • Works on J2EE application servers, including JBoss and Sun Java System 	<ul style="list-style-type: none"> • Fits within your enterprise architecture
Start-up options	<ul style="list-style-type: none"> • Start application with a log-on page or URL 	<ul style="list-style-type: none"> • Meets individual user needs easily

GET THERE FASTER WITH NATURAL FOR AJAX

Natural developers can create RIAs using the Natural-style syntax they know. No training or experience needed in JavaScript, HTML or Cascading Style Sheets (CSS)! Building Web pages is as easy as 'drag and drop.' A WYSIWYG editor lets you preview UIs as you build them. Sample code offers a starting point for developing applications. By simply saving a page layout, you automatically generate

code to link the front-end Web page to its back-end business logic.

TECHNICAL SPECIFICATIONS

Prerequisites: Natural for Mainframe v4.2.3, Natural for Open Systems v6.3.1 or Natural for Windows v6.3.3. The application can run on any of the platforms supported by Natural: Mainframe, UNIX, Linux and Windows. Supported Applications Servers include: JBoss and Sun Java System.

SOFTWARE AG COMMUNITIES

Software AG's Developer Communities include a Natural Community to keep you connected to Natural users and experts around the world. By registering for the Natural Community, you can participate in discussion forums that enable you to exchange best practices, enhance productivity and improve your technical skills. Registered members can also subscribe to the TECHniques newsletter, which offers technical tips and tricks. Membership to the Developer Community is FREE. For more information, please visit: <http://developer.softwareag.com>

WORLDWIDE USER GROUPS

Our strong network of worldwide user groups also helps build Adabas and Natural skills. Through a local user group, you can exchange ideas and discuss technology issues, experiences and concerns. Many groups offer classes that provide product hints and tips. Through ServLine24, regional meetings and annual International Conferences, user group members have access to a broad product knowledge base. To learn more, please visit: www.softwareag.com/corporate/community/usergroup

To find the Software AG office nearest you, please visit: www.softwareag.com

ABOUT SOFTWARE AG

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Our leading product portfolio includes solutions for high performance data management, developing and modernizing applications, enabling service oriented architecture, and improving business processes. By combining our technology with industry expertise and best practices experience, our customers improve and differentiate their businesses – faster.

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