



NaturalONE

DEVELOP, IMPROVE AND MANAGE—ALL IN ONE!

NaturalONE is a high-productivity Integrated Development Environment (IDE) based on open-source Eclipse that lets developers code and test applications (using the Natural language), expose Natural objects as Web services and create rich Web interfaces. In this way, NaturalONE lets the developer produce systems that not only support enterprise SOA and BPM but also appeal to business users.

NaturalONE delivers a powerful and easy-to-use set of application lifecycle capabilities to current users of Natural as well as Java or COBOL developers. It's well-suited for developing applications to run natively on major platforms, including the mainframe, UNIX, Linux and Windows.

Use NaturalONE to significantly lower the time and cost of application development, maintenance and staff training. You can develop and deploy Web services 30 percent faster and cut the time you spend on application maintenance in half!

Because NaturalONE supports the Eclipse-based development environment, you can standardize on a single platform across all programming languages. You can efficiently cross-train personnel and deploy resources where they're most needed—and at a moment's notice.

With NaturalONE, you'll have:

- ONE Eclipse-based environment for high-productivity development
- ONE easy learning curve for the new Natural developer
- ONE stop for intuitive service development
- ONE tool for easy creation of rich Web interfaces
- ONE framework for application development, testing, versioning and management

WHY IT MATTERS

With NaturalONE, based on standard Eclipse development, you are no longer subject to the complaints of skills loss, hardware lock or inflexible applications. Systems built in Natural can be easily maintained and redeployed as Web services on any production platform. Users will only see a progressive system when they reach for the mouse to launch the user interface and enter or obtain information.

With NaturalONE, your enterprise will no longer need to:

- Abandon past investment in intellectual capital
- Suffer skills shortages
- Be restricted to a particular hardware system
- Deliver "green screen" based systems!

TRY IT FOR FREE!



Go to www.NaturalONE.com to try out NaturalONE. See for yourself how easy it is to use. All components of the NaturalONE development toolset (including a local runtime environment for application testing) are available as a single free download.

GET THERE FASTER WITH YOUR APPLICATIONS

Build on your intellectual capital with NaturalONE

With NaturalONE, there is no need to abandon your existing business systems. The future is not about the language in which your systems were built with nor about the hardware it uses. The future is about maintaining and growing the intellectual capital that has been built up over years of research, investment and understanding of your business or industry. With NaturalONE, you can tap into that knowledge and expand on it with new development, attractive user interfaces and easy communication with complementary applications through Web services.

Develop 30 percent faster

Even for experienced Natural developers, NaturalONE can help accelerate delivery of new Web-based applications by an estimated 30 percent. NaturalONE includes automatic, interactive testing and debugging tools and allows developers to write, test and execute programs locally. NaturalONE also provides a team-support capability; developers have all tools in a single local environment for working

independently while sharing the source code of the project in a team repository. At the same time, NaturalONE retains Natural's core strength of simplicity in coding and rapid development of applications.

Experience unprecedented ease-of-use

Within one week of training, NaturalONE lets skilled developers with no prior Natural experience modernize Natural applications in two ways.

First, they can use NaturalONE to intuitively expose existing Natural programs (or objects) as Web services for consumption in an SOA. Second, they can use NaturalONE to create attractive AJAX-based user interfaces for applications that currently are accessed through "green screens."

NaturalONE will appeal to Java programmers because its Eclipse tools and development concepts are very similar. NaturalONE's standards-based platform also makes it possible to efficiently cross-train personnel and deploy resources where most needed and at a moment's notice.

Simplify service development for SOA and BPM

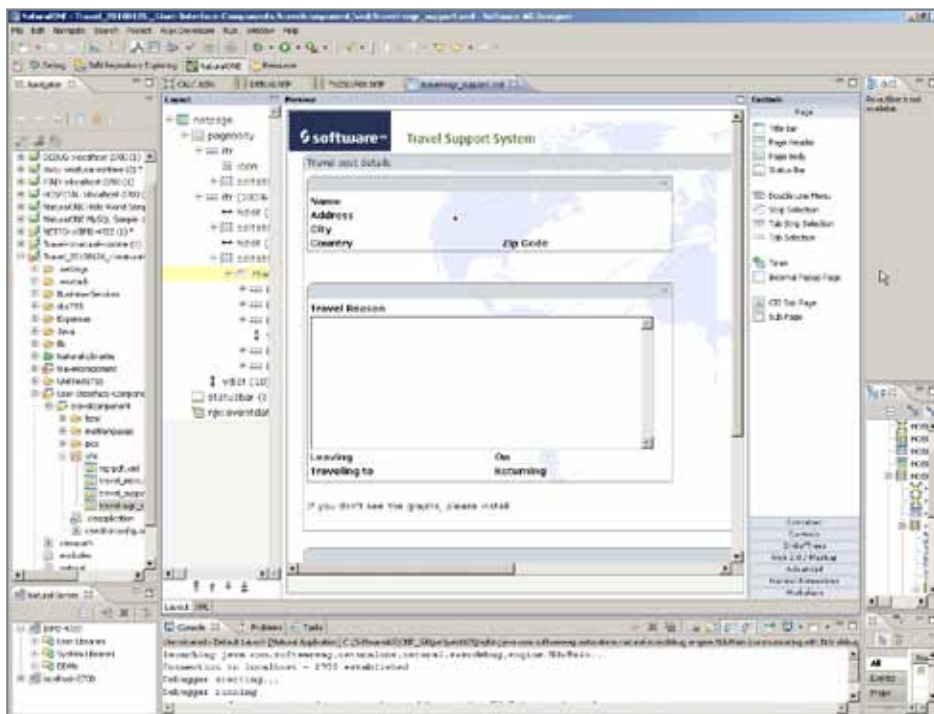
These days, many companies have mandated that all new development must support SOA and/or BPM. Businesses must become more agile, minimize costs and increase IT asset effectiveness through speed and re-use. With NaturalONE, you'll achieve these aims with one-stop Web service development and a direct interface to an SOA governance tool—CentraSite™—for ease of control.

NaturalONE is also integrated with Software AG's webMethods suite for easy development, support and deployment in a comprehensive SOA or BPM environment. You can easily leverage existing Natural business logic to create Web services. Additionally, any service available inside or outside your organization can be consumed as a NaturalONE object.

Easily deploy rich Web interfaces

Organizations still using "green screen" applications are looking to quickly convert and deploy Web applications. That's because today's users demand browser-based interfaces and Internet access from applications. NaturalONE makes it easy to convert existing Natural screens into rich Web interfaces using AJAX-based technology.

Wizard-driven Web-interface creation tools are integrated in Eclipse just like a Natural Editor to help you quickly deliver new Web-based applications. Additionally, a single development team/developer can write user interface and back-end business logic. Count on NaturalONE for a straightforward approach to transforming existing map-based Natural applications into rich Internet applications with the benefit of increased end-user acceptance and productivity. Best of all, there are no changes to Natural applications required!



Creating AJAX-based application UIs with NaturalONE helps to satisfy end-users.

Standardize on a single platform

Looking to streamline application development? With NaturalONE, you can enhance existing Natural applications—faster—to meet changing business requirements and reduce application costs. NaturalONE offers the advantage of an IDE based on Eclipse. This facilitates collaboration between Natural and Java developers and expands the base of in-house Natural skills. New developers can learn Natural easily using Eclipse.

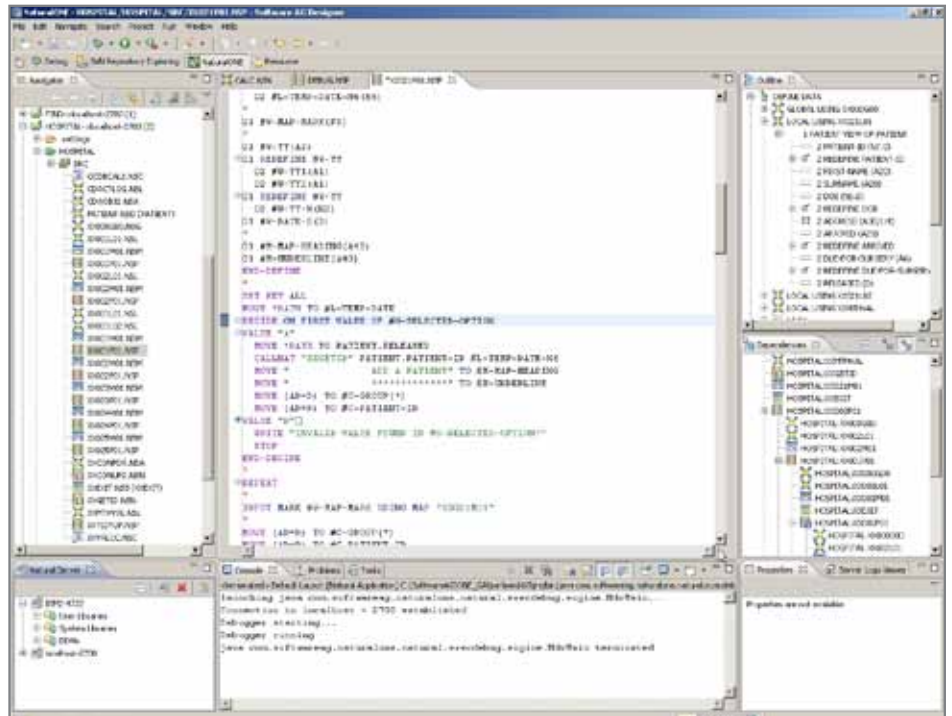
Speed up Natural application maintenance

If you have very large Natural applications to maintain, your development staff likely spends a lot of time on maintenance and not enough on new development. With NaturalONE, a Java developer familiar with Eclipse can easily learn Natural and step in to fill the gap. NaturalONE provides all maintenance and development tools in a single environment including automatic, interactive testing, debugging and restructuring. You can reduce the time you spend on maintaining and enhancing Natural applications by up to 50 percent and spend 70 percent less time managing the application lifecycle.

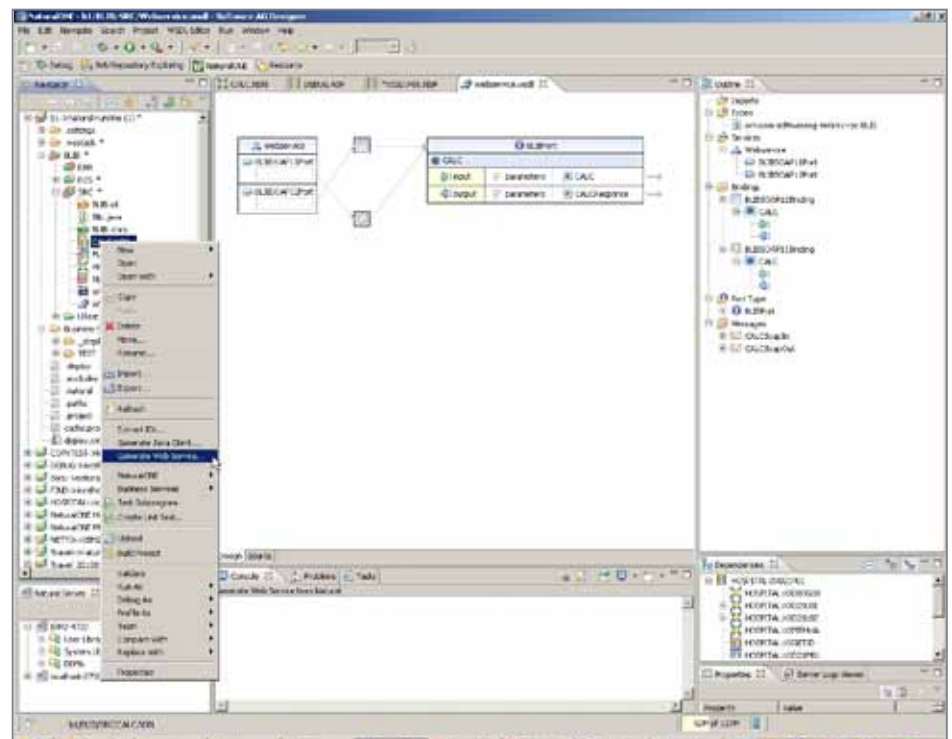
NaturalONE includes:

- Natural for Eclipse
- Natural for AJAX (development module)
- Natural Business Services (development module)
- Natural (local run-time copy)

Add production server run-time environments as you need them.



NaturalONE offers an IDE Eclipse Editor so Natural and Java developers can collaborate on a single platform.



NaturalONE offers service-oriented development and generation of Web services for SOA and BPM.

FEATURE	WHAT IT IS ...	WHY YOU CARE ...
Service-oriented development and generation of Web services	<ul style="list-style-type: none"> • Provides all the tools you need to develop new or enhance existing services • Enables easy generation of Web service cross-reference information to CentraSite • Allows immediate service testing 	<ul style="list-style-type: none"> • Quickly expose enterprise business functions as Web services • Support your company's SOA initiatives • Save time—all services are generated automatically • Re-use assets easily, thanks to clear service documentation
Development/ generation of Web applications	<ul style="list-style-type: none"> • Integrates all the tools you need to create rich Web interfaces as well as develop and test AJAX applications • Includes conversion tools to modernize existing applications • Web applications can be instantly tested through a built-in browser 	<ul style="list-style-type: none"> • Save development time • See results very quickly • Modernize application user interfaces • Increase end-user satisfaction
Automated debugging	<ul style="list-style-type: none"> • Interactive facility walks through application code, step by step • Enables you to debug AJAX (Web pages) • Local and remote debugging: server programs (mainframe, UNIX, Linux, Windows) can be debugged in an Eclipse-like look-and-feel 	<ul style="list-style-type: none"> • Save testing time • Lower maintenance costs due to fewer errors in application code • Reduce application failures in production
Automated testing	<ul style="list-style-type: none"> • Unit testing possible directly from the Natural project • Works with subprograms • Test values can be specified and kept for further tests • Validation rules for expected test results can be specified 	<ul style="list-style-type: none"> • Save time in testing • Improve quality of services
All-in-ONE development environment	<ul style="list-style-type: none"> • Provides all features you need to develop Web applications and services • IDE can be extended by leveraging Eclipse open source plug-ins and combined with other Software AG Eclipse plug-ins 	<ul style="list-style-type: none"> • Save development time and costs • Meet business needs—faster • Enjoy more platform choices
Code creation: create code locally that runs natively on major production platforms	<ul style="list-style-type: none"> • Developers needn't change the library nor application structure • Companies can continue to use existing production environment while developing using Eclipse 	<ul style="list-style-type: none"> • Keep existing investments • Increase development productivity • Transition quickly to Eclipse-based IDEs

New! NaturalONE v8.2 Release

The latest release of NaturalONE, v8.2, includes new feature/functionality to make NaturalONE based applications even easier to create and maintain:

- Support for Binary Large Object (BLOB) data and ability to present it on an AJAX page
- Natural Construct editors for Construct-related development
- Time stamp feature to help determine if Natural source on the server is younger than the being source uploaded, to ensure consistency where developers are working both on mainframe and with NaturalONE
- Support for the Predict data dictionary; Predict information, redefines and array boundaries while including data fields from a DDM

- Support for Natural dialogs
- Natural Debugger now supports Natural Stack data
- Improved Natural documentation with the NATdoc View. With the NATdoc View, the developer can see the documentation of the program opened together with the source code
- Code Snippets from the Natural Community. Developers can now directly access this code from NaturalONE. He can then select a snippet and copy and paste it in the NaturalONE editor for reuse

In all, these new features make NaturalONE development easier and faster and result in higher-quality applications.

ABOUT SOFTWARE AG

Software AG is the global leader in Business Process Excellence. Our 40 years of innovation include the invention of the first high-performance transactional database, Adabas; the first business process analysis platform, ARIS; and the first B2B server and SOA-based integration platform, webMethods.

We offer our customers end-to-end Business Process Management (BPM) solutions delivering low Total-Cost-of-Ownership and high ease of use. Our industry-leading brands, ARIS, webMethods, Adabas, Natural, CentraSite and IDS Scheer Consulting, represent a unique portfolio encompassing: process strategy, design, integration and control; SOA-based integration and data management; process-driven SAP implementation; and strategic process consulting and services.

Software AG – Get There Faster

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