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About the WOCCommunity

The WOCCommunity mission is to support, motivate, and enable WOCCommunity activities and projects. Our main project is Project Wonder, a collection of frameworks that sits on top of Apple's WebObjects Web application server and frameworks.

About Project Wonder

Project Wonder is the largest open source collection of reusable WebObjects frameworks, applications and extensions. Also included in Project Wonder are deployment software and web server adaptors. Project Wonder development is done within the Eclipse IDE with the WOLips plug-in tools.

WebObjects was initially created at NeXT. There was a framework called DBKit, which provided a way to abstract legacy databases to an object-relational graph. This framework later became the Enterprise Objects Framework (EOF). EOF was used to build nibware, runnable applications for NeXTStep/OpenStep that were built with Project Builder and which used interfaces that were designed in Interface Builder. If this sounds familiar, it is because the ideas from that time have only been refined, and not fundamentally changed, to become the Cocoa frameworks for applications running on Mac OS X and iOS today.

WebObjects was built on top of DBKit/EOF to provide a way to create dynamic applications for the web. The first versions of WebObjects were created at NeXT around the latter half of 1992.

Our sponsors



ENTERPRISE OBJECTS FRAMEWORK RELEASE 1.1

The screenshot shows a complex graphical user interface for the Enterprise Objects Framework. It features a central window with a table of data, a bar chart, and various control panels. The interface is designed for managing business objects and data. The Oracle logo is visible in the bottom right corner of the screenshot.

The Enterprise Objects Framework seamlessly extends the power of NEXSTEP's object-oriented paradigm to the development of client/server database applications.

The Enterprise Objects Framework builds on NeXT's leadership in object-oriented software development tools by dramatically reducing the costs of building and maintaining database applications. The Framework is unique in its ability to bring the benefits of object-oriented programming to relational database application development. The Enterprise Objects Framework enables developers to construct reusable business objects that combine business logic with persistent storage in industry-standard relational databases. Developers create business objects once and reuse those objects to manage enterprise-wide operations.

Applications developed with the Enterprise Objects Framework support a three-tier client/server architecture by maintaining a clear separation between the user interface, business objects, and the database. Business objects are conceptually insulated from the underlying data structures used for data storage. Any changes to the database schema are easily accommodated without recoding. The same business object can be reused even when data is stored differently throughout the organization. The Enterprise Objects Framework also allows business objects to be developed independently from actual data sources. The architecture allows arrangement of individual objects or entire applications to new data sources, including relational databases, hierarchical databases, and on-line news feeds, without recoding.

Portable Distributed Objects™ (PDO™) extends NEXSTEP's industry-leading object model across heterogeneous operating systems. With PDO, developers have an infinitely flexible choice of object deployment strategies. Business objects can be deployed in NEXSTEP clients and a variety of server class machines running HP-UX, SunOS, Solaris, and Digital VMS operating systems. The pairing of PDO with the Enterprise Objects Framework creates a distributed computing environment that enables applications to scale by leveraging all computing resources across the enterprise.

reason to that is that Project Wonder was made to build Web applications, not Web sites. If you only want to have a contact form or make a read-only Web site, Project Wonder is not a tool for that. But if you need to build a Web app that needs to fetch and update content, WebObjects is your friend. It's funny to see people go crazy over some Web frameworks to create Web apps, because WebObjects was doing that since day one.

I'm a Cocoa developer, why should I use Project Wonder?

Well, you use Cocoa because you like clean APIs, good tools, faster development process and turnaround, and KVC ? WebObjects, because of its NeXT foundation, shares a lot of concepts coming from Cocoa (especially Foundation). You don't use java.util.Vector, you use NSArray, which should be familiar to you. You can also use Project Wonder as a back-end for your Cocoa (and Cocoa touch) application.

I'm a J2EE developer, why should I use Project Wonder?

If you are a J2EE developer, forget what you learned about EJB and Struts, you will be glad to use EOF and components instead. But the fun part is that you don't need to learn a new language. You can reuse some of the code of your J2EE apps, and the official Project Wonder IDE is based on Eclipse. If you ever used Apache Cayenne or Tapestry, you will feel even more at home.

What Project Wonder and WebObjects are not

WebObjects is not a web page design tool. In fact, WebObjects does not have a WYSIWYG HTML editor (but the component editor is quite powerful). WebObjects uses your web pages (called templates) and adds dynamic content on the fly to make your application run. Also, WebObjects is not a framework for writing client side code. The objects you work with in WebObjects exist on the server only. If you are writing a complex client side JavaScript based application you can serialize your server objects via XML, JSON (by using [ERRest](#)) or SOAP and send them to a browser.

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Deployment Tools

WebObjects 5.4 was released with the source code for JavaMonitor and wotaskd as Example Source. If you have WO 5.4 installed, these should be on your file system at /Developer/Examples/JavaWebObjects. These projects were imported into Wonder, bug fixed and enhanced.

- [Deployment Overview](#)
- [Wonder JavaMonitor & wotaskd](#)
- [WOAdaptorInfo](#)
- [WOStats](#)

Wonder Frameworks and Components

Bug Reports and Enhancement Requests

- [Wonder Bug/Issue Tracker](#)

JavaDoc

Nightly build [JavaDoc API](#) on [WOCCommunity.org](#).

And there is [JavaDoc API](#) generated by doxygen.