Enhydra Open Source Java/XML Application Server

Enhydra is the industry's leading Open Source application server, offering rapid development and delivery of scalable Internet applications.

What you get with Enhydra:

High-performance, scalable server based on industry standards

- Pure Java server works on any platform with a compliant 1.1.5 or later Java VM.
- Seamless integration with the Web Server of your choice, with support for WAI, ISAPI, CGI, Apache JServ, and RMI.
- Browser-based graphical administration for remote application configuration and monitoring.
- Session management with sophisticated configuration of in-memory, file system, paged and databased backed persistence models.
- Standard HTTP user authentication.
- Support for standard Internet technologies, including HTTPS security.
- Complete data connectivity with industry-standard JDBC database access and an XML parser for access to XML data sources.
- Database connection pooling.
- Open Source licensing gives you access to the Enhydra source code, keeping you in complete control of your application platform.
- Object to relational mapping and persistence technology.

Productive development tools

- Enhydra's widely hailed XMLC provides an object oriented (DOM), Java-based user interface development kit and event-handling style of Web presentation logic programming.
- Data Object Design Studio (DODS) provides a graphical environment for creating and mapping the object-relational database layer of the application.
- Servlet Debugger monitors and times requests, calls to the servlet API, changes to the session, and responses, with no need to modify your servlet in any way. This can be used to debug a live application!

Flexible architecture for Internet development

- Enhydra's component-based approach makes it easy to create multi-tier applications containing presentation objects, business logic, and data objects.
- True separation of business and presentation layers, with no Java code or proprietary markers embedded in HTML pages.
- Work with the HTML design environment of your choice.

- Complete stand-alone environment for testing, including HTTP Server and Servlet runner.

- Small footprint means entire development and runtime environment can be installed on a notebook, and the completed application runs in a production server environment without code changes.

Support in your development efforts

- From documentation and tutorials, to newsgroups, to an actual consulting staff that you can bring on board to help with all or part of a project.
- Open Source means new features and quick fixes from developers worldwide.
- Lutris understands your needs and moves quickly to address them. To meet the time-to-market demands our customers place on us, we use Enhydra for most of our professional services engagements.

The Open Source Advantage:

By supporting world-wide independent peer review and rapid evolution of source code, the Open Source community promotes the reliability and quality of the Enhydra software.

Bug fixes and updates from developers worldwide, in addition to the development staff at Lutris, are immediately available. With Open Source licensing you always

have access to the Enhydra source code, giving you complete control of your application platform.

Architecture

Enhydra's loosely coupled components work in harmony to allow multi-tiered applications to execute in a high-performance environment. All components have a well-defined, public set of interfaces and standard implementations, making possible alternate implementations and extensions to the components without affecting existing applications. With this flexibility, developers can modify the behavior of the Enhydra Application Server to meet customer or product needs. The following figure illustrates the high-level architecture for Enhydra.

Technical Specifications

Platforms

Enhydra runs on all operating systems with a compliant 1.1.5 or later Java VM. Because the entire distribution is written in Java, the only platform-specific topics deal with installation issues. (Windows requires installation of Cygwin, a set of GNU development tools from Cygnus Solutions that emulate UNIX in Windows environments.)

Web Servers

Enhydra Multiserver, Apache, Netscape, IIS, Sun Web Server, other CGI.

Databases

Any JDBC compliant database, including Oracle, Sybase, Informix, MS SQL Server, IBM DB2, PostgreSQL; InstantDB; MySQL and Microsoft Access.

Enhydra Application Architecture