

Open Source Innovation -- Enterprise Reliability

Liferay is leading innovation, performance and value in the portal market with Version 4.0 of Liferay Portal. An enterprise service oriented architecture (SOA), liberal open source license, full suite of support and services, and integration with today's proven technologies add up to the best combination of performance and value in the portal industry today. Liferay portal increases your organization's competitive advantage and business agility by integrating applications and information, enabling re-usable services, and standardizing processes — maximizing productivity, increasing return on your IT investment, and accelerating the flow of business.

Enterprise Architecture

- **Service Oriented Architecture** – Accelerated development cycles, re-usable services, and composite application development multiply the return on your portal investment with Liferay's flexible SOA. Choose among SOAP / WSRP / WebServices, Spring Remoting, Hessian, Burlap, or EJB methodologies.
- **High Availability** – Achieve zero down time for business critical applications with Hardware/Software Load Balancing, HTTP Failover, Session Replication, and Distributed Cache (using Lightweight Multicast Protocol).
- **Multi-Tier, Limitless Clustering** – Cluster Liferay Portal Enterprise at any combination of multiple tiers – presentation, service, business logic, and database – to meet your specific load requirements. Scale your deployment one processor at a time to grow with your needs.
- **EJB Flexibility** – Liferay Portal is the only portal that allows you to choose an EJB or servlet-only environment.
- **Page Caching** – Liferay Portal provides full-page caching for static content to increase web performance.
- **Security** – Customize single sign-on with Yale CAS, JAAS, LDAP, Netegrity, Microsoft Exchange, and more. Liferay was benchmarked as among the most secure portal platforms using LogicLibrary's Logiscan suite.
- **Fine-Grained Permissioning System** – Reusable, extensible authorization architecture is used throughout the portal and is applicable to individual portlet elements.

Business-Friendly Open Source License

Liferay is made available under the MIT license, similar in essence to the Apache and BSD licenses. Unlike the GPL or LGPL licenses, the MIT/Apache/BSD licenses are business friendly and contain **zero license fees** and no reciprocity clauses.

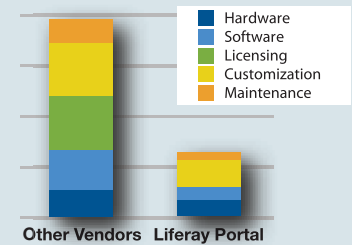
Business-Critical Support

Liferay complements its product offering with a wide range of support contracts, professional services and training opportunities to meet the varying needs of organizations. Our highest level of support includes 24/7 business critical phone support where your call is answered directly by an engineer.

Lowest Total Cost of Ownership (TCO)

Reduce the up-front investment required for your portal initiative:

- **Zero License Fees** – Liferay Portal's liberal MIT license requires zero license fees and no reciprocity clauses
- **Open Source** – access to the source code guarantees your portal investment can be developed independently from a third party vendor or integrator.
- **Standards Support** – Support for standards ensures that Liferay Portal remains vendor-neutral and maximizes existing technologies and infrastructure. Liferay supports the following standards: J2EE, JSR-168, SOAP / WSRP / Web Services, JSR-170, MyFaces
- **High Compatibility** – Liferay Portal's compatibility with numerous application servers, database servers, and operating systems drastically reduces the initial hardware and software investment required by your portal initiative.
- **Pre-Bundled Portlets** – Over 50 functional portlets are included with Liferay Portal, reducing the customization costs required by your portal. Many Liferay users can deploy straight out of the box.
- **High-Value Support Contracts** – Liferay's support contracts do not penalize based on number of CPUs. Any single application deployment is covered by a support contract at the same price point.



Integrated Web Publishing & Content Management System

Streamline your organization's Internet applications and reduce maintenance and software licensing costs using Liferay's integrated web publishing CMS. Driven by XSLT and Velocity technologies, Liferay Portal CMS can be used to quickly create web pages using re-usable content, flexible layout templates, and dynamically generated site taxonomy.

Roles-based workflow divides presentation from content creation and allows for editorial approval and versioning processes.

Content Management

Liferay also includes a document repository with versioning and library services (check in/check out) backed by a JSR-170 compliant Java Content Repository (Jackrabbit).

AJAX-Driven "Web 2.0" Interface For Easy-To-Use Personalization

Liferay Portal features a rich "Web 2.0" user interface that includes drag-and-drop portlet re-positioning, a dynamic portlet loader, and a portlet stylizer that allows end users to customize colors, fonts, and links without editing stylesheets or HTML.

Liferay Portal also provides a hot-deployable theme architecture that allows portal administrators to deploy new portal GUIs without modifying core code. All Liferay Portal pages are coded to CSS standards to simplify new theme development for designers.



Internationalization

Rely on Liferay Portal to deal with the complexities of your global application. Display and receive input in multiple languages — language resources for Chinese, Dutch, English, French, German, Greek, Italian, Japanese, Korean, Portuguese, Spanish, Turkish, and Vietnamese are already included.

Portlets, CMS content, and page layouts can be easily localized to any number of languages you want to support. Use the Language Portlet to allow end-users to switch localizations on the fly.

ASP Model

Liferay was designed from the ground up to be used by application service providers. Users can host multiple instances of the portal (distinguished by unique URLs) on one application server and database.

Administration & Groups

Delegable administration rights and a rich GUI interface make it easy for users throughout the organization to manage users, groups, roles, and permissions for any sub-group. Administrators can restrict community pages to community users. Many bundled portlets are community aware.

FOR MORE INFORMATION

Visit Liferay's Website:

<http://www.liferay.com>

Professional Technical Support:

support@liferay.com

Community Support:

<http://forums.liferay.com>

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CONFIGURATION OPTIONS

Closed Source Application Servers

- IBM Websphere Application Server Version 5.1 (Liferay Professional)Version 6.1 (June 2006)
- BEA Weblogic Server 8.1
- Oracle Application Server 10.1.2
- Borland Enterprise Server 6.5
- Macromedia JRun 4 Updater 3
- Sun Java System App Server 8.1
- Pramati Server 4.1
- TradeCity RexIP AppServer 2.5Servlet Containers

Open Source Application Servers

- JBoss Application Server 4.0.2 / JBoss Enterprise Middleware Suite
- Apache Geronimo Server 1.0 (June 2006)
- Orion Application Server 2.0.6
- ObjectWeb JOnAS 4.4.3(Java Open Application Server)

Servlet Containers

- Mort Bay Jetty 5.1.4
- Caucho Resin 3.0.14
- Apache Tomcat 5.0.x/5.5.x

Closed Source Database Servers

- Oracle Database
- Microsoft SQL Server
- IBM DB2 Universal Database
- SAP DB
- Borland InterBase DB Server
- Borland JDataStore

Open Source Databases

- MySQL Database
- PostgreSQL Object Relational DBMS
- Firebird Database
- Hypersonic

Operating Systems

- Microsoft Windows (95/98/NT/2000/ME/XP/2003)
- Linux (Fedora, Novell)
- Apple Mac OS X (through 10.4.6)
- Sun Solaris 10
- BSD (FreeBSD, NetBSD, OpenBSD)