Technical Specifications

Deployment Compatibility

Operating Systems

* Linux (CentOS, RHEL, SUSE, Ubuntu, and others)
* Unix (AIX, HP-UX, Solaris, and others)
* Windows Server
* Mac OS X

Public & Private Clouds

* Liferay DXP is deployable to the cloud and virtualized environments.

Application Servers

* JBoss EAP
* Resin
* tcServer
* Tomcat
* WebLogic
* WebSphere
* Wildfly

Databases

* DB2
* MariaDB
* MySQL
* Oracle
* PostgreSQL
* SQL Server
* Sybase

Platform Details

Performance & Scalability

* Clustering at any combination of tiers (presentation, service, business logic, and database)
* Advanced caching (i.e., Ehcache)
* Elasticsearch platform support
* Performance monitoring support (JMX, Java profiling, etc.)

Security

* Government-grade encryption such as: DES, MD5, SHA and RSA.
* Pluggable authentication
* Email verification
* Granular permissioning
* LDAP authentication
* Session management

Developer Languages

* Java
* Groovy
* Ruby
* Python
* Scala

Web Services

* SOAP
* JSON
* RMI
* Spring Remoting
* WebDAV

Identity Management Support

* LDAP authentication
* SAML producer / consumer OAuth
* Oracle Access Manager
* Novell Identity Manager
* Sun Identity Manager
* OpenSSO / OpenAM
* SiteMinder
* Tivoli Access Manager
* Facebook standards

JavaScript Frameworks

* AlloyUI
* GWT
* JQuery
* JSF
* Metal.js
* Vaadin
* ...and others

Frontend Frameworks

* AlloyUI
* Application Display Templates
* Device detection
* TagLibs
* Twitter Bootstrap

Backend Frameworks

* Asset
* Cache
* Comments
* Data handlers
* File storage
* Membership policies
* Message bus
* Permissions
* Ratings
* Recycle bin
* Scheduler
* Scripting
* ServiceContext
* Upgrade
* Workflow

Theme Developer Languages

* Freemarker
* Velocity

Other Standards/Technologies

* AJAX
* iCalendar & Microformat
* JSR-168 (Portlet)
* JSR-286 (Portlet 2.0)
* WSRP 1 & 2
* JSR-127 (JSF)
* JSR-314 (JSF 2.0,2.1), JSR-344 (JSF 2.2)
* JSR-170 (Content Repository)
* Spring 3.0 & AOP
* CMIS 1.0/2.0
* OpenSearch 1.1
* OpenSocial 2.5
* Hibernate collection of projects
* OSGi Core 6.0
* SAML 2.0
* OAuth 1.1

Content Management Features

Content Repository

* Multi-repository support
* Customizable document types
* Metadata per document type
* Microsoft Office© integration
* CMIS support
* Check in/check out
* Content previews
* Content versioning
* Define workflows per document type
* Mobile/desktop file synchronization using Liferay Sync

Site Publishing

* Dynamic and static site templates
* Drag and drop site maps
* Sitemap protocol support
* Friendly page URLs
* Remote server staging and scheduling
* Multiple site variations/versions
* Faceted search
* Recycle bin
* User customizable pages

Content Creation

* AlloyEditor
* Templating: FreeMarker or Velocity
* Global content sharing between sites
* Content sharing in site hierarchy

Themes & Layout

* JavaScript framework: AlloyUI 3.0
* CSS framework: Twitter Bootstrap
* HTML 5.0 compliant
* Responsive mobile theme
* Multiple page layout templates

Mobile

* Mobile previews within browser
* Mobile responsive theme
* Mobile device recognition
* Eclipse-based Mobile SDK

Collaboration & Social Features

Wikis, Blogs, Message Boards

* AlloyEditor
* Ratings / Comments
* RSS feeds
* Categories / Tags
* Related assets
* Reader subscriptions

Wikis

* AlloyEditor
* Versioning & reversion
* Creole, HTML or MediaWiki syntax
* Attach files
* Threaded comments

Blogs

* AlloyEditor
* Recent blogs lists
* Badge icon for social activity
* Social bookmarks
* Inappropriate content flagging

Message Boards

* Recent Posts list, My Posts list
* Reader subscriptions
* Anonymous posting
* Attach files
* Support for categories/threads reorganization
* Inappropriate content flagging

Online Presence & Social

* Friends list
* Activity wall
* Activity tracker

Calendar

* AJAX-based interface
* iCal and microformats support
* Personal and group
* Task lists
* Resource scheduling
* Email, IM, or SMS event reminders

Alerts/Announcements

* Broadcast news or status
* Scheduled start/stop
* Site or role based targeting

Top of Form

Bottom of Form