Liferay Digital Experience Platform 7.1

Datasheet

Liferay

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Liferay Digital Experience Platform (DXP) 7.1 is software to create and manage digital experiences across web, mobile and connected devices. Built on a highly flexible architecture with portal, CMS and collaboration capabilities, Liferay DXP can be customized to deliver personalized digital experiences for customers, employees and partners.

For a full feature list, please read the Liferay DXP 7.1 Features Overview.

Key Benefits

Flexible Development Solutions for Your Business

Liferay DXP's suite of business tools and features allows you to leverage core technologies like portal servers and content management systems within one cohesive platform that is secure, scalable and extensible. Liferay DXP includes a broad set of out-of-the-box features so you can set up the majority of what you need right away, then customize for your unique needs.

Organic Innovation

Liferay DXP is developed completely in-house, rather than through acquiring third-party solutions. Discover the benefits of a full suite of features that work well together because that's what they were designed to do. Our cutting-edge tools make it faster for you to launch experimental ideas of your own and deliver true innovation to your customers.

Unified Customer Experiences

Achieve consistent customer experiences at every touchpoint with reusable content and components. Liferay DXP ties together mobile, conventional web, legacy and all other content in a single repository so that it can be distributed consistently and intelligently across all touchpoints. Liferay DXP also includes a robust library of mobile components so that experiences designed for the desktop can easily be turned into native or hybrid mobile apps.

Bridge Silos Across Systems

Working from shared data across systems, employees can implement initiatives to improve services and give other departments the insight they need to make operations run better. In addition, Liferay DXP makes collaboration easier across departments through a built-in workflow, content management, social features such as wikis and blogs, and other digital tools employees enjoy using.

Integrates With Everything

Integrate the systems that power the core of your business. Liferay DXP builds on our portal heritage with a set of comprehensive business components that can connect all of your systems and processes. Our platform is compatible with most things out there, even closed-source software. With Liferay DXP, you aren't limited to buying software from one massive vendor. APIs, web services and messaging services make it easy to unite third-party software and legacy systems on Liferay DXP.

Feature Highlights

Horizontal Portal

Liferay DXP evolved from a best-in-breed horizontal portal platform, with robust support for user management and simplified UI development for beautiful presentation layers that bring your existing systems together.

User Management: Create and manage users, organizations, user groups, roles and password policies. Apply granular permissions for flexible control over your sites and content.

Role Based Content Delivery: Show each user a customized page view depending on his or her role, group, organization or personal preferences.

Identity Management Support: Enable single-sign-on for consolidated access to all your systems. Liferay DXP is compatible with LDAP, SAML, OAuth and much more.

Content Management

Leverage content management tuned for enterprise teams, with tools to facilitate collaboration between technical and business users. Quickly create personalized experiences on a foundation that supports any project.

Content Creation: Business users can easily create both structured and unstructured content with WYSIWYG or inline editing. Define custom types of web content and control how they display across the site.

Themes and Templates: Liferay DXP leverages a maturing theming and templating system designed for large-scale, enterprise sites. Create customized themes and templates that can be shared across child sites.

Search Engine Optimization: Liferay DXP is built to be search engine friendly, with customizable URLs, optimized site map updates and easy access to metadata.

Collaboration and Social

Connect people and systems through a modern interface focused on getting work done.

Blogs, Forums and Message Boards: Open up ways for your employees or users to communicate with one another through full-featured blogs, forums and message boards.

Social Networking: Add social networking features to intranets or community sites such as an activity wall, friends list, @ mentions and more.

Search and Tagging: Tag web content, documents, message board threads and more to facilitate faceted search across your site, powered by Elasticsearch 6.

Digital Asset Management and EFSS

Efficiently organize, store and share enterprise assets on one central system.

Single Digital Asset Repository: House documents, video, audio, images and other media types in a unified repository, with support for tagging and searching for assets.

Versioning: Keep track of content updates with versioning and reversioning features.

File Sync and Sharing: Open up offline access to files with Liferay Sync, which can pull the most recent versions through its own desktop or mobile app.

Mobile Experience Platform

Deliver responsive, native or hybrid mobile experiences with one development platform.

Responsive Design: Sites created on Liferay DXP are mobile responsive out of the box.

Native and Hybrid Mobile Apps: Rapidly develop native apps with a collection of fully native mobile components. Developers can also use Apache Cordova or Xamarin to build cross-platform applications from one codebase.

Adaptive Media: Liferay DXP dynamically adjusts images to best fit the screen size and network speed of each device, addressing experience and performance issues.

Forms and Workflows

Automate common business processes with robust features for creating forms and workflows.

Form Creation: Design forms for everything from business process automation to replacing complex paper applications.

Conditional Rules: Introduce dynamic behavior in forms so you can personalize which questions and fields show based on user responses.

Workflow: Define any number of simple to complex business processes or workflows, leveraging users, groups and roles defined in Liferay DXP.

Liferay DXP's Modular Core

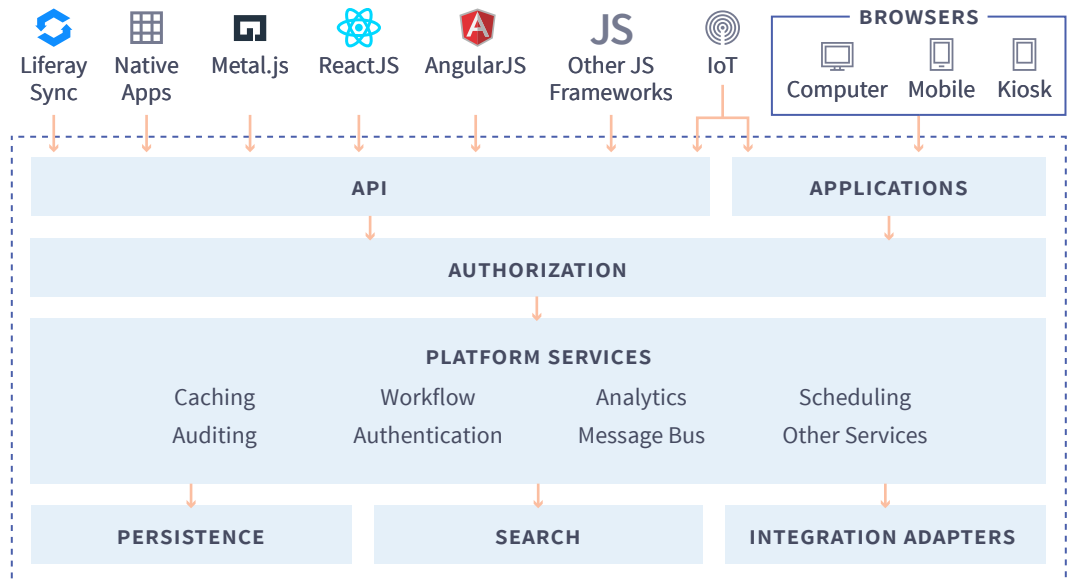Liferay DXP leverages a modular core, with benefits that include:

Standards Based Customization: Less reliance on underlying app server technology makes it easier to create applications and extensions that now follow an OSGi based approach.

Incremental Release Cycles: New features and bug fixes can be released on an as-needed basis, eliminating the need to wait for major version releases.

Reliable Deployment: Deploying modules is now independent of underlying app server technology, leading to fewer deployment issues and fewer server restarts.

Modern Development: Leverage modules that are smaller and more concise than legacy portlet plugins.

Dynamic Dependency Resolution: Modules have built-in dependency resolution, which makes it easier to determine what dependencies the application needs to run and minimizes severe consequences from conflicts during deployment.

Liferay Sync	Native Apps	Metal.js	ReactJS	AngularJS	Other JS Frameworks	IoT	BROWSERS
							Computer Mobile Kiosk

API	APPLICATIONS

AUTHORIZATION

PLATFORM SERVICES

Caching	Workflow	Analytics	Scheduling
Auditing	Authentication	Message Bus	Other Services

PERSISTENCE	SEARCH	INTEGRATION ADAPTERS

Deployment Compatibility

Operating Systems

CentOS

Debian

IBM AIX

Oracle Linux

Oracle Solaris

Red Hat Enterprise Linux

SUSE

Ubuntu

Windows Server

Public & Private Clouds

Liferay DXP is deployable to the cloud and virtualized environments.

Application Servers

JBoss EAP

tcServer

Tomcat

WebLogic

WebSphere

Wildfly

Databases

Amazon Aurora

DB2

MariaDB

MySQL

Oracle

PostgreSQL

SQL Server

Sybase ASE

Contact sales@liferay.com for the latest list of supported configurations and versions.

Key Components

Horizontal Portal

Performance & Scalability

Clustering at any combination of tiers (presentation, service, business logic and database)

Advanced caching (e.g. Ehcache)

Elasticsearch integration

Performance monitoring support (JMX, Java profiling and more)

Security

Government-grade encryption

Pluggable authentication

Email verification

Granular permissioning

LDAP authentication

Session management

Erase/export personal data

Identity Management Support

LDAP

SAML

OAuth

OpenSSO/OpenAM

SiteMinder

Tivoli Access Manager

Facebook Login

CAS

OpenID

NTLM

Google

Web Services

SOAP

JSON

REST

Content Management

Content Creation

AlloyEditor

Templating: FreeMarker

Global content sharing
between sites

Content sharing
in site hierarchy

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

Page Fragments

HTML/CSS/Javascript
editor

Export/import

Drafts

Thumbnails

Embed widgets

Themes & Layout

JavaScript framework:
Metal.js

CSS framework:
Twitter Bootstrap

HTML 5.0 compliant

Responsive mobile theme

Multiple page
layout templates

Audience Targeting

User segmentation

Time bound campaigns

Campaign prioritization

Personalized and
targeted content

Custom reporting and
data export

Segmentation Rules

BEHAVIOR

Content visited

Page visited

Score based on content
and pages visited

FACEBOOK PROFILE

Age

City

Education

Friends

Gender

Page likes

USER ATTRIBUTES

Age

Gender

Regular role

Site membership

Site role

Organization membership

Organization role

User group membership

Currently signed in

User created date

User last login date

Language

IP

Custom fields

SESSION ATTRIBUTES

Browser

Device

Location

Operating system

Collaboration & Social

Wikis, Blogs and Message boards all contain

AlloyEditor

Ratings/Comments

RSS feeds

Categories/Tags

Related assets

Reader subscriptions

Wikis

Versioning & reversion

Creole, HTML or
MediaWiki syntax

Attach files

Threaded comments

Blogs

Recent blogs lists

Badge icon for
social activity

Social bookmarks

Inappropriate
content flagging

Friendly URLs

Estimated reading time

Embedded videos

Message Boards

Recent Posts list, My
Posts list

Reader subscriptions

Anonymous posting

File Attachments

Support for categories/
threads reorganization

Inappropriate content
flagging

Online Presence & Social

Friends list

Activity wall

Activity tracker

Social Activity

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

Digital Asset Management and EFSS

Content Repository

Multi-repository support

Customizable document types

Metadata per document type

CMIS support

Check in/check out

Content previews

Content versioning

Enterprise File Sync and Sharing

Mobile/desktop file synchronization using Liferay Sync

WebDAV

Integration

Google docs integration

Microsoft Office© integration

Mobile Experience Platform

Mobile

Previews within browser

Responsive theme

Device recognition

Eclipse-based Mobile SDK

Service Builder

Push notifications

Platform Support

iOS

Android

Cordova

Xamarin.iOS

Xamarin.Android

Adaptive Media

Control image resolution and size per device

Enable/disable rules

Automatic optimization

Native App Screenlets

Log in

Sign up

Forgot Password

User portrait

DDL form

DDL list

Asset list

Web content display

Web content list

Image gallery

Rating

Comment List

Comment Display

Comment Add

Asset Display

Blogs entry display

Image display

Video display

Audio display

PDF display

File display

Web page display

Forms and Workflows

Form Creation

Autocomplete

Multipage forms

Configured success page

Duplicate fields

Clone forms

Autosave

Import/export data
provider definitions

Localization

CAPTCHA enablement

User authentication

Form Management

Shareable form URLs

Redirect after form submission

Workflow integration

Email notification

Versioning

Element sets

Form Fields

Paragraph

Text field

Select from list

Single selection

Date

Multiple selection

Grid

Numeric

Upload

Conditional Rules

Require

Enable

Autofill

Show/hide

Jump to page

Calculation

Belong to

API for customized rules

Dynamic Data Lists

Boolean

Color

Date

Decimal

Documents and Media

Geolocation

HTML

Integer

Link to page

Number

Radio

Select

Text

Text box

Web content

Localization

Workflow

Define workflows per
document type and folder

Versioning and reversion

Drafts

Localization

Duplicate workflows

Preview revisions

User notifications

Model workflows with a
graphical interface or by
writing XML definitions

Developer Tools

**Developer Languages
and UI Frameworks**

Java

JSF

Clay

Groovy

JQuery

Twitter Bootstrap

Metal.js

ReactJS

AngularJS

Senna.js

Vaadin

Ruby, Scala and others

**Other Standards/
Technologies**

AJAX

iCalendar & Microformat

JSR-168 (Portlet)

JSR-286 (Portlet 2.0)

JSR-127 (JSF),
JSR-314 (JSF 2.0,2.1),
JSR-344 (JSF 2.2)

Spring 3.0

CMIS 1.0/1.1

Hibernate collection
of projects

OSGi Core 6.0

SAML 2.0

OAuth 1.1/2

Theme Developer Languages

FreeMarker

Other Back-End APIs

Asset

Cache

Comments

Data handlers

File storage

Membership policies

Message bus

Permissions

Ratings

Recycle bin

Scheduler

Scripting

Search

Upgrade

Workflow

Developer Studio

Integrated development/test
environment

What's Next

Learn How to Use Liferay DXP

Liferay offers free online training lessons, including topics such as OSGi Basics, Mobile Development, Building Engaging Websites and more. Liferay also offers in-depth, paid courses for Liferay DXP subscribers.

Learn more at university.liferay.com

Put Liferay DXP to the Test

Explore the possibilities of Liferay DXP free for 30 days. Our trial includes access to professional documentation, exclusive Liferay Marketplace apps and more. Get started at liferay.com/dxp-trial

Liferay

Liferay makes software that helps companies create digital experiences on web, mobile and connected devices. Our platform is open source, which makes it more reliable, innovative and secure. We try to leave a positive mark on the world through business and technology. Hundreds of organizations in financial services, healthcare, government, insurance, retail, manufacturing and multiple other industries use Liferay. Visit us at liferay.com.