

Integration

Create unified digital experiences on any channel by connecting all your systems, applications, and data on one platform.

Deliver better digital experiences, manage remote applications more efficiently, and integrate disparate systems to create more productive online experiences. Headless APIs, Client Extensions, and strong integration frameworks enable you to deliver unified digital experiences across a wide range of devices and channels.

Benefits



Create a seamless digital experience for your users so they can easily accomplish their goals no matter what device or channel they use.



Integrate external backend or legacy applications faster, and simplify complexity by connecting disparate systems, tools, and data into one unified view.

Leverage Liferay's Integration Capabilities to:

Integrate Back-End Systems

Liferay provides a platform for integrating content and services from back-end or legacy applications. It supports integration with SOAP, REST, GraphQL, RSS, and proprietary APIs, making it easy to unite third-party software, legacy systems, and data, so you can create more productive and efficient user experiences.

Remove Data Silos

Liferay provides a suite of APIs that perform the same kinds of actions available in the web interface. This is essential to get data in a machine-readable format. There are three different approaches to connect to Liferay DXP via web API: Headless REST APIs, GraphQL API, and Plain Web/REST Services.

Import and export data between Liferay and external systems, like MySQL, SAP, Salesforce, etc., using:

- **Liferay Objects API.** End users could create data input into backend systems without writing code. An admin can create the forms needed via Form Containers, store all data into an Object and leverage an ETL to extract the data via Objects API, to map to a set of backend APIs.
- **Liferay Data Engine API.** End users could create data input into backend systems without writing code. An admin can create the forms needed via Liferay forms, store all form submission into Liferay's data engine store, and leverage an ETL to extract the data via the data engine API, to map to a set of backend APIs.
- **An ETL tool** can extract data from one system, transform that dataset to conform to a standard and format, and load this transformed data to another system.

Retrieve Data from Outside of Liferay

Using Proxy Objects, you can configure your object to function as a proxy, using it to store and retrieve data from an external source, like Salesforce. Rather than duplicating and syncing data between systems, the proxy storage type uses a single data source outside Liferay. This can help reduce data inconsistencies and conflicts between systems. By using Proxy Objects, you can leverage Liferay's low-code features to more easily provide consistent user experiences while streamlining touch points and simplifying data management.

In Proxy Objects, fields are mapped to existing columns in an external system's database, so data operations directly create or update the asset in the external system. For example, when users create an Object entry, Liferay performs a POST request to the external system API endpoints and adds the data to that system's database.

Connect to Existing Systems

Liferay comes with a library of pre-build connectors to quickly create integrations between common systems. Some of these connectors include:

- **Salesforce.** Import account, user, and order data from Salesforce to Liferay.
- **Google Drive and Office 365.** Create and edit files within those systems and any updates can be populated within Liferay.

- **Camunda.** Deliver automation without fragmentation. Liferay provides the intuitive, personalized digital touchpoints, while Camunda orchestrates the underlying workflows, ensuring smooth, efficient bi-directional interactions across your entire ecosystem.
- **SugarCRM.** Manage data from SugarCRM directly leveraging Proxy Objects.
- **Mulesoft.** Design Mule Flows to batch import, update, and delete records.
- **DocuSign.** Support the use of electronic signature processes. A subscription to Docusign is required to use this feature.
- **Click-to-Chat.** Liferay includes out-of-the-box integration to 10 popular Click-to-Chat providers. Administrators just need to configure by providing the appropriate Provider ID or API key details.
- **TradeCentric (Formerly PunchOut2Go).** Integrate with existing TradeCentric infrastructure to enable seamless B2B purchasing for buyers and suppliers.
- **Stripe.** Liferay provides a client extension that integrates with Stripe. It uses the payment integration client extension as a base.

Leverage Existing Integrations in Liferay

Liferay offers many natively integrated features to enhance agility including:

- Generative AI for web content, images, and product descriptions using OpenAI APIs like ChatGPT, with more providers coming soon.
- Automatic translation of pages and web content with DeepL, Amazon, Google or Microsoft Translation.
- Auto-tagging of text and images using several different providers.

In addition to these integrations, Liferay also integrates with other technologies to allow users to scan uploaded files for viruses, optimize gifs, preview media files, and more. Learn more at learn.liferay.com.

Delivering Multiple Front-End Experiences

Headless APIs empower front-end developers to deliver richer, faster, and more responsive user experiences. Front-end developers can use their native tools and frameworks to build digital experiences that go well beyond simple websites and mobile apps. These digital experiences include virtual assistants, kiosks, IoT/smart devices, and a number of different social media channels.

Our set of APIs, available as REST and GraphQL, provide access to structured content, DM, categories, keywords, commerce features, and other components.

For APIs that Liferay DXP doesn't natively provide, you can build your own custom APIs using Liferay's REST API Builder.

Customize Liferay without Modifying the Platform

Client Extensions are a new class of Liferay extensions that make it easier to customize Liferay solutions without directly modifying the Liferay platform. This allows customers to modify the portal's functions and behaviors through code without needing to touch the Liferay core or compromising upgrades and maintainability.

This also allows developers to use whatever browser language or framework to build custom solutions that can connect to the platform. These improvements make it easier for users to create custom solutions and for Liferay to release new updates faster and streamline delivery.

To learn more about Client Extensions, visit our [Low-Code page](#).

Access Solutions and Apps through Liferay Marketplace

With Liferay Marketplace, partners and citizen developers can showcase the apps and solutions they have developed on Liferay. Other users can use them to accelerate the creation of their own solutions. Visit marketplace.liferay.com to learn more.

Next Steps

Integration is just one of the out-of-the-box features that Liferay DXP provides. On a single platform, you can leverage integration alongside many other native capabilities to build current solutions and future ones, as your business needs expand. To view all of Liferay's capabilities, visit: liferay.com/capabilities.

Ready to see how Liferay can work with your existing systems?
Request a demo at liferay.com/request-a-demo.

Liferay helps organizations build for the future by enabling them to create, manage, and scale powerful solutions on the world's most flexible Digital Experience Platform (DXP). Trusted globally by over a thousand companies spanning multiple industries, Liferay's open-source DXP facilitates the development of marketing and commerce websites, customer portals, intranets, and more. Learn how we can use technology to change the world together at liferay.com.