

Migrating to Moltin

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Learn how easy it is to jump platforms and join Moltin.

What you need to consider before migrating to Moltin

Before you proceed with migrating your data over to Moltin from platforms such as [Magento](#), you should take the opportunity to review your current architecture.

Consider the following aspects:

- **Hosting provider.** With Moltin, you'll need a hosting provider for your frontend, and in a situation where you're using webhooks and integrations. All your backend data is taken care of for you by Moltin. If you're moving from a monolith platform, your current hosting solution may be excessive, so you may want to revisit exactly what you require.
- **Storefront.** Moltin unchains the frontend from the backend, so there is no real need to change your storefront. However, this may be a great opportunity to review it in terms of accessibility and [performance](#).
- **Antiquated technology.** If your store runs on a heavy, customized code base to cater for common commerce functionality requirements (like tax calculation, customer notifications, shipping, etc.) which can be easily substituted with a third-party integration, consider plugging in a third-party service instead.

SEO consideration

SEO is important when designing a new page, but it is equally important when migrating to a new solution. You need to make sure your page is not affected negatively by your re-platforming efforts. With Moltin, you can make sure your [URLs are human-readable and optimized](#), if not already, and your metadata is migrated.

Migrating to Moltin: Process overview

Moltin takes an active part in the process of migration, by helping find you the best solution for your store. However, you'll still need a developer to do all the heavy lifting. Below, you'll find a list of all necessary steps needed for migration together with a list of personas that should be involved in the process. We'll explain each step in greater detail in the next section.

Step	Persona(s) involved
Create a Moltin account	Customer or migration specialist
Model a catalog inside Moltin	Moltin solution specialist with a customer or migration specialist
Orchestrate store integrations	Migration specialist
Rewire the frontend to use Moltin API	Migration specialist
Migrate customer accounts	Migration specialist
Test and launch	Migration specialist

Sample migration objectives

Typically, our customers come to us with a list of features and business requirements they need to meet. Below, you'll find a sample checklist provided by one of our customers. The checklist might set your expectations on what Moltin can do for you and how your current solution gets adapted to the Moltin API.

PROJECT OBJECTIVES		
Problem areas to resolve	Is Moltin a solution?	If yes, how?
Improve scalability to \$50 million sales	YES	Enabled open commerce architecture
Improve backend flexibility	YES	Decoupled backend logic
Improve frontend development flexibility	YES	Decoupled frontend logic
Improve inventory integrity with high-frequency updates	YES	Product Information Management API
Develop custom workflows and processes for order management and data analytics	YES	Third party integrations
Extend core data model with custom data	YES	Flows API
Improve incident response and management	YES	Moltin 24h support
Improve data store integrity	YES	Moltin hosts your store data; for webhooks and integrations we recommend separate hosting

PROJECT REQUIREMENTS	
Data/Feature Required	Moltin solution
Administration / configuration dashboard	Stores managed through Moltin dashboard
Catalog	
Products	Created through Products API / Moltin dashboard Products API (image, description, price, SKU, slug, commodity type, status, manage stock). Additional data accommodated through Flows API (custom data)
Product attributes	
Product editor	Editable through Moltin dashboard
Grouped products	Product Relationships (managed through Moltin dashboard or the API)
Categories	Created through Categories API or Moltin dashboard
Inventory management	Managed through Inventory API or Moltin dashboard
Store functionality	
Cart and checkout	Carts API , Checkout API
Wishlists	New resource added through Flows API
Customer rewards / points	Extended customers resource through Flows API
Coupons and promotions	Promotions API
Product rating and reviews	Extended products resource through Flows API
Transactional email	Events API
Payment gateway management (Paypal, Braintree)	Native Braintree integration , PayPal integration through manual payment gateway
CMS for blog, pages and block management (category pages, landing pages)	New resource added through Flows API
Data import/export	Import scripts
Carrier shipping integration	Third-party integration (e.g. Shipppo)
Customer dashboard for order history, re-orders, tracking, address management, etc.	Moltin dashboard
Site search	Third-party integration (e.g. Algolia)

Step-by-step migration process

Moltin APIs accept any data format. And so, migrating into Moltin is quite straightforward, as we don't ask you to reformat or change the data you've exported from your previous platform.

Get a Moltin account

Head over to our Moltin website and [sign up](#). Once your account is active, you'll have access to the Moltin dashboard with tutorials and additional reference to help you with your ongoing project. You'll also get your hands on your store-specific credentials (**Client ID** and **Client Secret**) that you and your migration specialist will need for the ID and

Model a Catalog inside Moltin

Modeling a Catalog inside Moltin will make sure [your data is organized](#) the way you want. This process involves the following aspects:

- Products
- Brands
- Collections
- Categories
- Images
- Currency

If your catalog includes fields that are not natively supported by Moltin, we will recreate this data through [Flows](#) (our signature data customization feature).

The actual migration process is really straightforward. We use your data in whichever format you provided it to us (typically, this would be a CSV file, but Moltin doesn't impose any format on you). We will then use our importer tool to migrate your data into the Moltin API.

Next, you'll need to make sure your catalog and the entire checkout flow is plugged into your storefront and working as expected.

At minimum, your storefront should include the following:

- Product listing page
- Product detail page
- Login and signup
- Cart
- Checkout
- Order confirmation

Orchestrate store integrations

Once you identify which store integrations you need to plug into your Moltin project to have the complete checkout experience, you or your migration specialist can proceed with integrating them with the Moltin API, following integration patterns and/or examples.

At minimum, consider the following:

- Customer communication
- Paying provider
- Shipping and warehousing
- Tax calculator
- CMS
- CRM
- Search engine
- Hosting provider - need for webhooks, integrations, and the frontend

Below, you'll find an example of a system architecture that uses Moltin as the core API that orchestrates various third party integrations. Mind that this is just an example, and you can use any integration that you find suitable for you.

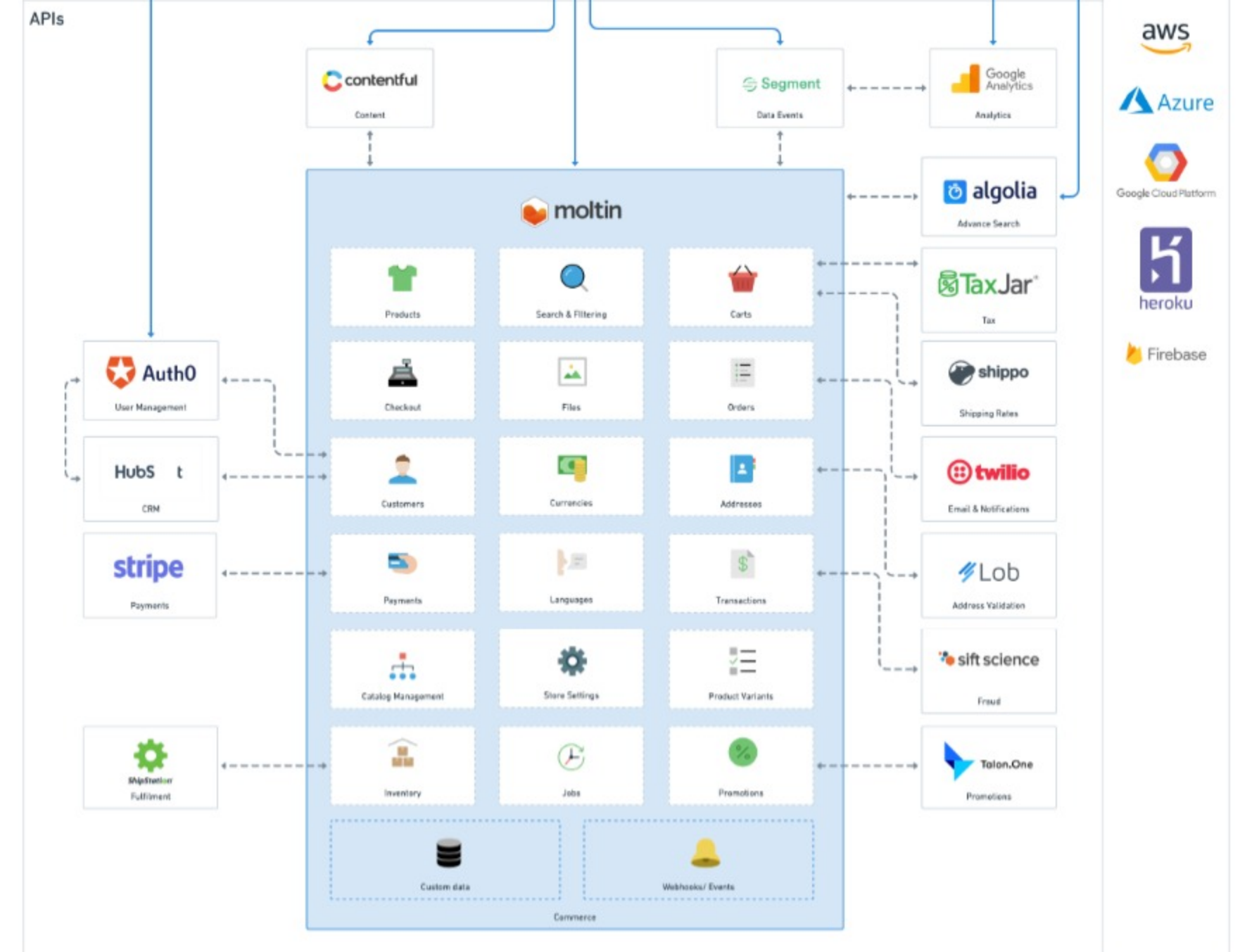


Fig 1. An example of a headless commerce architecture with third party integrations

At this point, you have a functioning store. You will now have to make sure that the data is consistent for the existing customers. This is the next step of the migration.

Migrate customer accounts

To migrate customer accounts into Moltin, we first check the data type (whether it's JSON or CSV) to be able to determine the best way to migrate the data over.

If the data provided contains more than **name, email, password**, we'll need to create custom fields through Flows to store it.

Then, the data is programmatically inserted into the Moltin API without customer passwords. At this point, you'll need to inform our existing customers about the migration process and ask them to log in again or reset their password, so that it can be stored inside Moltin.

Next steps

Once you test your integrations and make sure your storefront works as expected, you're good to go live! Typically, a complete migration takes less than 35 days.

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