



# MIGRATE TO MAGENTO 2 AND EXPERIENCE COMMERCE WITHOUT LIMITS

White Paper on migrating Magento 1 to Magento 2, the high performing and unbelievably flexible e-commerce platform.

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# Magento Commerce

Magento Commerce pushes the boundaries of possibilities to create a digital transformation of your business, which offers a bold and unique shopping experience. It provides cost-saving innovation by combining rich and out-of-the-box functionalities. The innovative interactions and flexible headless architecture help you walk ahead of the increasingly complex global market structures and rising customer expectations.



## M1 to M2 Migration - What you ought to know?

The first beta version of the Magento platform came into existence on 31st August 2007. The original version, Magento 1, was first released in 2008 and emerged as one of the most popular tools used by eCommerce merchants to build and run their websites.

ECommerce exploded exponentially. The original Magento version could not meet the expectations of modern eCommerce stores. Hence a new and upgraded version was developed, Magento 2. The key enhanced features of the Magento 2 version are enhanced content management, scalability, higher performance, analytics, and reporting.

Adobe, the parent company, withdrew all support provided to the Magento 1 platform as of June 2020. Online stores currently deployed on Magento 1 are exposed to vulnerabilities as they will not receive updates to security patches by the parent firm.

# Magento 2



- **Faster performance:** Magento 2 stores are approximately 20% faster in performance than Magento 1 stores.
- **Full-page caching:** Fully integrated with Varnish and Redis as caching services out of the box, eliminates the use of a third-party plug-in.
- **Improved admin dashboard:** Magento 2 dashboard is organized, clean, and user friendly, along with advanced reporting displays.
- **Optimized checkout options:** Magento 2 offers an intuitive checkout process, unlike the lengthy accordion-style checkout.
- **Enhanced site security:** Magento 2 provides robust security and stability, including hashing algorithms, 2-factor authorization, dynamic backup plans, unique admin URLs, and many more.
- **Responsive and mobile-friendly interface:** Mobile shopping will gain more traction in the upcoming years, so Magento 2 has provided several tools for merchants to create responsive sites or PWAs to create a better customer experience.
- **Multiple Master Databases/Database Charting:** Use separate master databases to support checkout, order management, and product data. By separating the databases, you can scale your Magento application database tiers independently of one another and ensure that admin panel activities will never impact the experience of the shopper.
- **Elasticsearch:** This feature allows you to scale search capacity and handle large catalogs. Setting up Elasticsearch is fast and easy.

- **Easier maintenance and upgrades:** An overhauled, modern and modular architecture empowers the functionality provided by M2, providing unsurpassed scope and flexibility.
- **Enterprise-grade Scalability and Performance:** Magento 2 Features over 50% faster page load speeds across catalog and checkout pages, performance lies at its heart, enhancing customer experience & improving conversions.
- **Business intelligence:** Magento business intelligence is a cloud-based data management and visualization platform that provides integrated, easy-to-use dashboards and reporting tools for Magento merchants to expertly harness their data.
- **Email marketing automation:** Magento has in-built dotmailer email marketing automation. It allows merchants to create campaigns easily in a few minutes. You can create automated campaigns through SMS, Push, email, and other channels and manage transactional emails for your Magento stores.

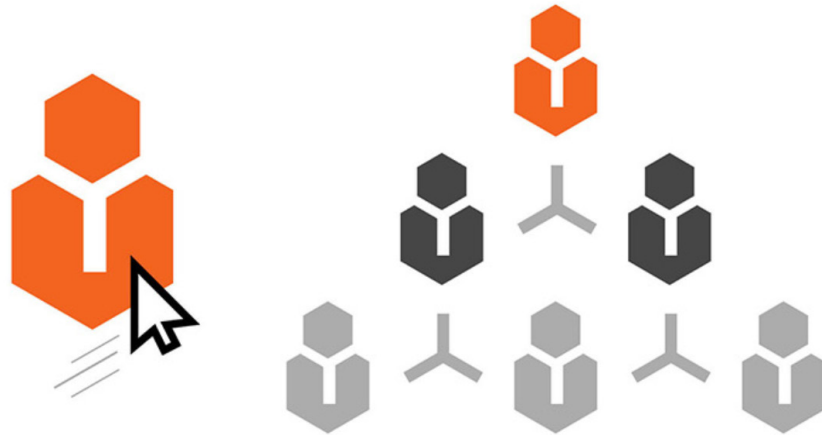
## Magento Commerce for B2B

As the B2B eCommerce market grows, our B2B merchants need a set of features that meet their unique business requirements. With the release of Magento 2.x, Magento is launching a full B2B offering to set their platform even further apart. **B2B features are available only in Magento Commerce 2.2 or later.**



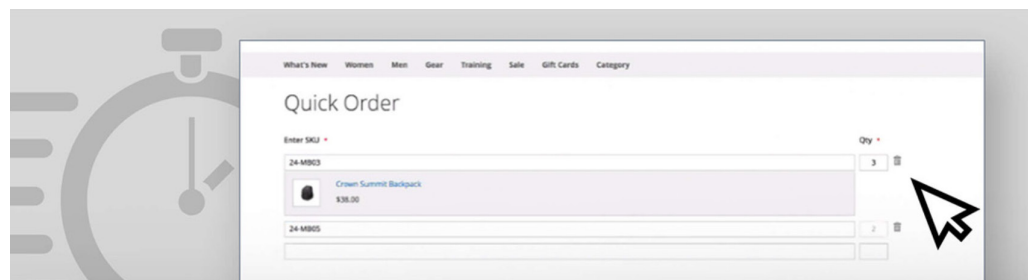
B2B merchants often require capabilities such as flexible bulk and per-unit pricing, the ability to issue quotes with negotiated pricing, and the ability to place orders from a requisition list. A typical order might be charged to the company account and fulfilled from multiple warehouses.

## Company Account Management



This new feature allows merchants to have several buyers in the same company or organization. Each buyer can have their permissions as to what they can view and buy. A drag and drop tool allows you to move each user into a hierarchy.

## Quick Order



'Quick Order' reduces the order process to several clicks for those who know the product name or SKU of the products they want to order. Orders with multiple SKUs can be entered manually, or imported into the Quick Order form. Quick Order option is available for customers or guests who have registered. When enabled, the Quick Order link appears at the top of the page, next to the customer name.

## Shared Catalog

Magento Commerce for B2B gives you the ability to maintain gated shared catalogs with custom pricing for different companies. In addition to the standard master product catalog, it provides customers access to two different kinds of catalogs with varied pricing structures. For default (general) public shared catalog, products to display catalog on the storefront should be assigned.

## My Requisition List

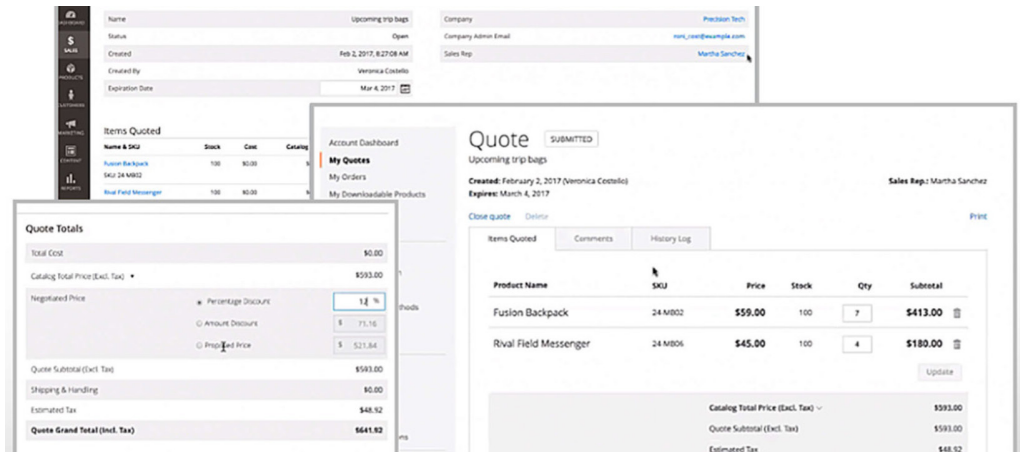


A requisition list saves time when purchasing frequently-ordered products because items are added to the shopping cart directly from the list. Customers can maintain multiple lists that focus on products from different vendors, buyers, teams, campaigns, or anything else that streamlines their workflow. It is available for both logged-in users and guests.

## Payment-on-Account

Payment-on-Account is an offline payment method that allows companies to make purchases up to the credit limit specified on their profile. This option can be enabled globally or per company and appears during checkout. When the Payment-on-Account option is selected, a message appears at the top of the order, indicating the status.

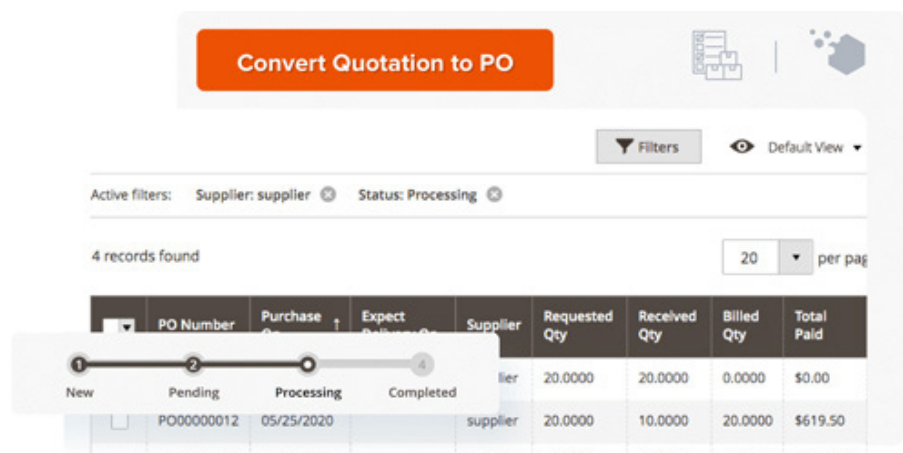
## Request a Quote



A quote request option is available in the shopping cart of the site. Customers can add desired products to the cart and then 'Request a Quote' for the items rather than checking out. On each quote request, the customer has the option to add order comments and upload files. The details of the quote, any supporting documents, and product cost data will be visible to the merchant in the admin panel. The tool does include a negotiation feature for both products and shopping costs. Merchants can set expiration dates for quotes and offer substitution products when needed.

## Purchase Orders

When the Purchase Order feature is enabled, all the orders are by default created as Purchase Orders (PO). Company users with the required permissions will have the right to edit and delete POs or delegate it to subordinate users.



# Migrating To Magento 2 - Things That You Need To Know



The four major factors to cover during the migration are:

- ***Data Migration***
- ***Extension & Custom Code Migration***
- ***Theme***
- ***Customization***

## Data Migration

The Data Migration Tool for Magento 2 helps developers to migrate stored data and settings using CLI commands. However, the web developers may choose to perform the migration using their tools. Move the Magento 1 settings and data to Magento 2, so your eCommerce website will be engaging and seamlessly functional.

## Extension & Custom Code Migration

The M1 extensions will not work on M2. It requires the theme in place for extensions to provide new features and improve the functionalities of your Magento store.

## Theme

A direct theme migration cannot happen while switching from M1 to M2. The developer can create unique M2 layouts or modify the existing theme to meet the M2 standards.



## Customization

The features customized using Magento 1 cannot be migrated to Magento 2. Most extensions will not work as it involves re-building of the Magento 2 framework.

## Magento 2 Migration Partner - How to choose the right one?



The migration process is complex, and it is better to get the help of a well-experienced partner who knows the platform like the back of their hand.

## PIT Solutions Magento Migration Services

PIT Solutions has hands-on experience in handling Magento 1 to Magento 2 migration. We have accomplished several migration projects over the past few years.

Our services ensure:

- Effortless migration to a Magento 2 platform
- Matching your eCommerce to the current trends in the digital market and providing a fast and secure shopping cart
- Maintaining your website search-engine-optimization
- Delivering a higher level of user engagement

## Conclusion

PIT Solutions has a well-experienced team for migrating your shops from M1 to M2. We are ever ready to help businesses with the best technical advice and implementation assistance. Our experts will walk you through the steps providing a complete business sense that matches your expectations.



PIT Solutions (PITS) is a Software Solutions & Services Company formed in 2000, having offices in India (PIT Solutions Pvt. Ltd.), UAE (Professional IT Solutions LLC), USA(PIT Solutions LLC) and Switzerland (PIT Solutions AG).

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