

FEATURE BRIEF
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M1 to M2 Re-platforming Process

Your guide to a seamless transition to M2

Magento 2 (M2), the most recent version of the Magento ecommerce platform, comes with a brand-new architecture, coding structure, and database design. Support, security updates, and patches for Magento 1 (M1) Community and Enterprise ended in June 2020.

Switching from M1 to M2 is a complete re-platform, as the work required goes beyond a simple upgrade, with customizations or extensions. The time needed for a re-platform project of this nature will vary greatly, depending on the scale, development effort, and complexity of the build (including the number of off-the-shelf solutions, APIs, and integrations being used in the existing site). A successful migration requires careful planning and thorough testing throughout the process.



Software and Hardware Requirements

An M2 migration requires an upgrade to both software and hardware: PHP 7.0.13+ or 7.1.x; MySQL: 5.6, 5.7 or MariaDB 10.0, 10.1, 10.2; Minimum 2G of RAM, 24GB+ SSD.



Basic Components of the Migration

Data

The transfer of data from your old M1 install to a new M2 store

Extensions

M1 extensions will not be compatible with M2 code

Themes

M2 does not allow themes from M1 to be migrated directly

Code Customizations

The custom code written for M1 is compatible with M2, but would require some re-writing or migrating customizations



How Webscale Supports its Customers through an M1 to M2 Re-platform

Webscale will build out the M2 architecture, while providing complete application visibility through our customer portal. You can install and configure a clean M2 environment on the development server or simply clone your existing dev environment. We recommend up to 3 months of complete testing to ensure a smooth transition to the new site.



Customer Checklist for M2 Testing before Go-live

1. You will receive an email from our provisioning team with detailed instructions for testing. That's right – it's time to ask your teams to:
 - Run the initial data migration to add existing products and categories into the new store **(1 - 3 days)**
 - Install a new theme, or integrate a custom design with your M2 store **(2 - 30 days)**
 - Install required extensions and re-implement customizations **(2 - 60 days)**
 - Complete testing until the “order processed” stage on the site **(5 - 20 days)**
 - Fix any issues found during testing **(1 - 10+ days)**
 - Complete final round of testing before go-live **(2 - 3 days)**
2. Webscale will setup a Migration Review Call (approximately 5 days before go-live)
 - All relevant stakeholders should join the call (project manager, developer, business owner, and Webscale representative)
 - Review the process and ownership during migration
 - Discuss status of testing and address any open issues to be resolved before go-live
 - Set TTL to minimum before go-live
3. Webscale will run through the Pre-live checklist:
 - Verify scaling is working correctly
 - WAF review and analysis
 - Setup application alerting
 - Review Webscale architecture and check for any gaps
 - Complete customer portal configuration (billing and ticketing)
 - HTTPS & SSL review
 - Review of Web Controls to ensure best practices



Dry Run

During the dry run, Webscale will sync the production database and media to the new environment. A code freeze will be implemented at least 2 days prior to go-live (code deployment should be tested beforehand).



Go-live

A maintenance window will be scheduled for go-live and the Webscale support team contact information will be provided. The following steps are to be performed during the go-live (owners of each stage identified below):

- Current site to maintenance mode → Customer
- Webscale site to maintenance mode → Webscale
- Sync database and media → Webscale or Customer/Partner
- Test site using host entry of Webscale Proxy → Customer/Partner
- Enable cron jobs → Webscale
- Update DNS to point to Webscale → Customer
- Remove maintenance mode on Webscale environment → Webscale
- Test without host entry → Customer/Partner



Post Migration

After the migration is completed, the customer shall test the M2 store thoroughly to ensure that everything is operating as expected. Once this is done, Webscale will decommission the M1 environment.