

WHAT IS NEW IN MAGENTO & ADOBE COMMERCE UPDATE 2.4.4?



THE NEXT STEPS TOWARDS HEADLESS & MICRO SERVICE ARCHITECTURE

Modern software is increasingly moving in the direction of so-called micro-service architecture. This means new functions are no longer installed in the same system and the same server, but are addressed functionally as a "service". This is already the case, for example, with Adobe Commerce Live Search, where information from the merchant's Adobe Commerce installation is transferred to the AI Adobe Sensei and from there the personalized search results prepared by the AI are displayed to the user. The search algorithm takes place on the Adobe Sensei AI server and is a micro service.

With the 2.4.4 update, Magento and Adobe Commerce are consistently moving further in the direction of micro service architecture. This guarantees a rapid introduction of new services by third-party providers and Adobe. The advantage is that functions can also be updated and extended outside of updates from Magento and Adobe Commerce - but the core of the system requires only a few updates and the update cycles can remain at only 3 updates per year. This saves costs for merchants and reduces dependencies and complexity.



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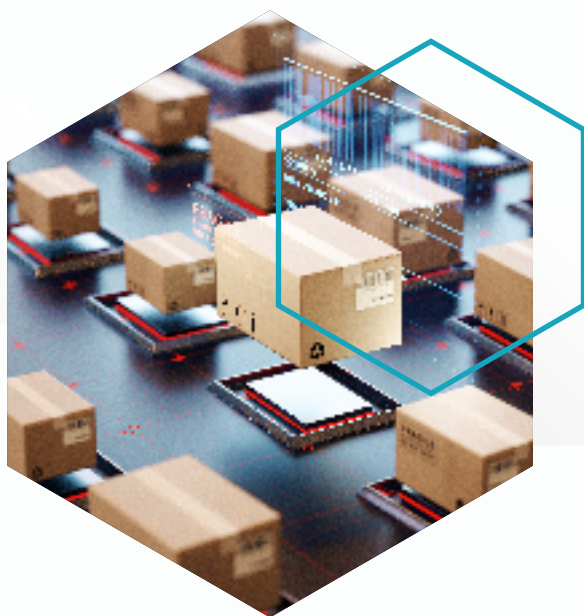
PERFORMANCE AND SCALABILITY HAVE BEEN SIGNIFICANTLY INCREASED IN MAGENTO & ADOBE COMMERCE

- ✓ 2.4.4 is the fastest and most scalable version of Magento and Adobe Commerce with the following improvements:
- ✓ Complex product catalogs can be up to 10x larger. Well over 1 million products are possible and thousands of categories can be defined at the same time.
- ✓ The interface speed has been significantly increased.
- ✓ The admin area has been significantly accelerated.
- ✓ Queries in the frontend have been streamlined and the frontend keeps getting faster.



UP TO 60,000 ORDERS PER HOUR ARE POSSIBLE IN ADOBE COMMERCE

- ✓ The asynchronous approach allows Adobe Commerce to process up to 60,000 orders per hour.
- ✓ That's 5x more than previously possible and common order volumes in synchronous store systems.
- ✓ With up to 1,000 orders per minute, Adobe Commerce can also handle Flash sales securely and reliably.



Faster Checkout

- ✓ In Adobe Commerce 2.4.4, you can disable the re-query of availability via stock quantity in checkout.
- ✓ This significantly speeds up the checkout.

The processing of sales rules has been

- ✓ optimized in the checkout to speed up the checkout.





TRANSITION FROM MAGENTO & ADOBE COMMERCE TO PHP 8.1

The transition of Magento and Adobe Commerce to PHP 8.1 brings a significant performance gain and speeds up both the frontend and the backend.

LIVE SEARCH 2.0

Live Search has been released in version 2.0 and resellers can install the new version now. Live Search has been updated to PHP 8.1. More configuration options have been added to the search results window.



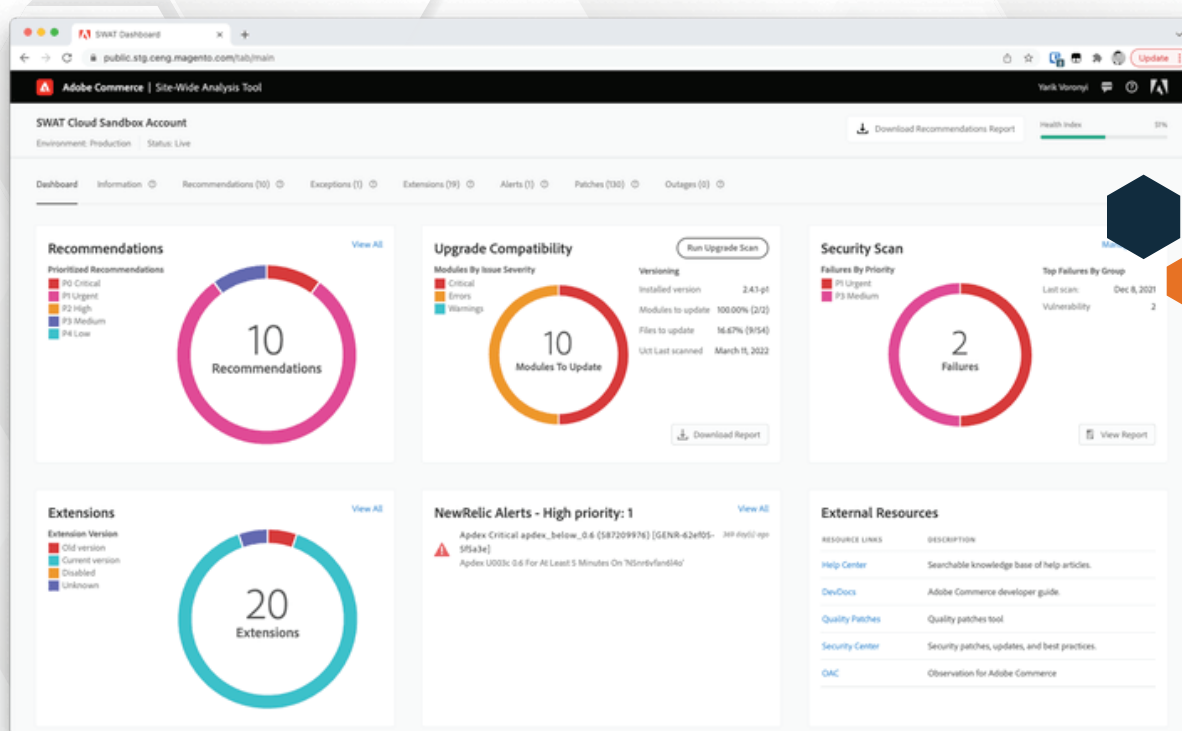
HEADLESS COMMERCE & PWA STUDIO WERE EXTENDED

Magento and Adobe Commerce have long benefited from the in-house headless environment PWA Studio and of course the update to 2.4.4 brings further improvements here as well:

Expanded interface capabilities via GraphQL for more B2B and admin features from Adobe Commerce and Magento.

Dynamic blocks and extended personalization functions can now also be integrated in PWA Studio and linked to customer groups.





ADOBE COMMERCE: PLATFORM MONITORING

The availability of the Site-Wide Analysis Tool has also been extended to Adobe customers with installations on their own servers (on-premise).

All Adobe Commerce customers now have the ability to analyze the system and improve the customer experience with real-time monitoring, reporting, and performance optimization suggestions. In addition, the dashboard has been enhanced to provide easier visibility and access to support tools, alerts, and installed extensions.

Adobe Commerce's Site-Wide Analysis tool will be significantly enhanced in the future to provide more visibility into the status of the system, stability, and performance.





ACCESSIBILITY IN THE BACKEND

The update to version 2.4.4 improves accessibility in the backend of Magento and Adobe Commerce to better comply with accessibility requirements.

People with limited or no vision can now navigate the backend and use assistive technologies such as screen readers to use the Adobe Commerce and Magento backend.

Furthermore, icons have been updated, contrast has been increased, buttons have been adjusted, and new tooltips have been added to simplify the use of the backend and thus make the technology more accessible.



ELASTIC SEARCH AND OPEN SEARCH

Magento Open Source 2.4.4 now supports Elastic Search version 7.16 and OpenSearch 1.2.

OpenSearch is the new default for cloud installation of Adobe Commerce and when updating to Adobe Commerce 2.4.4, you need to switch to Open Search

IMPROVEMENTS IN B2B MODULES

There were numerous improvements of function constellations, which caused an error under certain conditions, implemented.



IMPROVEMENTS OF THE ADOBE COMMERCE PAGE BUILDER

It is possible to store "alt texts" per image in Magento/ Adobe Commerce Page Builder, which will have a positive effect on Google ranking as well as accessibility.



STREAMLINING THE CODE BASIS

Integrated extensions have been removed to streamline the code. Merchants should integrate the third-party extensions of the providers if required:

- Amazon Pay
- Dotdigital
- Klarna
- Vertex
- YotPo



FURTHER IMPROVEMENTS

Furthermore, the following improvements have been included in the update:

- All hotfixes from versions 2.4.3, 2.4.3-p1 and 2.3.7_p2 have been integrated.
- Security improvement regarding the sending of e-mails and newsletters. Here email templates must be checked after the update, as there may be an incompatibility.
- The backend has been further secured and merchants should definitely enable 2-factor authentication and use an individual admin path to follow basic security requirements. Both have been integrated into Magento and Adobe Commerce for some time.
- Enhanced interface and session security.
- The Java Script Library JQuery has been updated to version 3.6 and the jquery-ui library has been updated to version 1.13.0. Other Java Script libraries have also been updated, which should result in faster execution speed.
- The speed of GraphQL as a query language was improved and the cooperation with the cache technologies Varnish and Fastly was optimized.
- The error "Invalid security or form key. Please refresh the page" when logging into the admin backend has been fixed.
- Improvements in handling "Bundled Products" in connection with VAT and other options as well as displaying search results that included bundled products.
- Optimization of the cache and when it is built.
- Optimization of some functions in the checkout.



In total, almost 250 improvements were made, improving speed, user experience and functions or fixing known bugs.

IMPROVEMENTS OF THE PAYPAL-FUNCTION

"Pay Later" is available as a function, which refers to the location of the buyer and not the store operator. In sandbox mode, Paypal can also be tested with different buyer countries.

Previously, this was only possible based on the country of the merchant. Venmo is newly supported as a payment function.





SHOULD MERCHANTS UPDATE TO MAGENTO & ADOBE COMMERCE 2.4.4 SOON?

The answer here can only be a definitive "yes". Not only are there numerous security-relevant updates included, but there are also significant performance-relevant optimizations associated with the switch to PHP 8.1.

Since there are currently only 3 updates per year for Magento and Adobe Commerce and the next update will not be released until August 2022, it definitely makes sense to install the update to 2.4.4.

If only the security-relevant optimizations are to be installed, then it is advisable to install the security-only patch.

For the 2.4.5 update, however, a complete update must be performed at the latest.



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