**Magento Versions**

**Magento 2.4.3:**

***Use:***

* Magento 2.4.3 is a stable release with various improvements in performance, security, and quality.
* It uses Elasticsearch 7.x support and PHP 7.4.x compatibility.
* Features enhancements in the security of the platform, including Data Access Layer (DAL) improvements and Two-Factor Authentication (2FA) support.

***Issues:***

* Some users reported issues with third-party extensions compatibility due to the upgrade to PHP 7.4.x.
* Elasticsearch integration might require additional configuration for better performance.

***Software dependencies:***

**Patch:**

* A patch version is usually a release that includes bug fixes or minor updates within the same major and minor version.

**Composer:**

* Composer is a dependency manager for PHP.

**Elastic search:**

* Elasticsearch is a distributed search and analytics engine. It's often used for full-text search, log analytics

**Open search:**

* Open Search is a distributed search and analytics engine derived from Elasticsearch

**Maria DB:**

* MariaDB is a popular open-source relational database management system (RDBMS).

**Php:**

* PHP is a popular server-side scripting language primarily used for web development.

**RabbitMQ:**

* RabbitMQ is a message broker that implements the Advanced Message Queuing Protocol (AMQP).

**Redis-6.0:**

* Redis is an open-source, in-memory data structure store used as a database, cache, and message broker.

**2.4.3 software dependencies:**

* composer-1,
* Patch 3
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-7.4,
* rabbitMq-3.8,
* Redis -6.0

**Magento 2.4.4:**

***Use:***

* Magento 2.4.4 focuses on improving the platform of security and quality.
* Introduces support for PHP 8.0.x, which brings performance improvements and language features.
* Includes over 50 security enhancements and over 280 product quality improvements.

***Issues:***

* Users may encounter compatibility issues with existing extensions due to the upgrade to PHP 8.0.x.
* Complex customizations might require adjustments due to changes in core functionality.

**2.4.4 software dependencies:**

* composer-2.1,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies:(patch 1)**

* composer-2.1,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies (patch 2)**

* composer-2.1,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies (patch 3)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies (patch 4)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies (patch 5)**

* composer-2.1,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies (patch 6)**

* composer-2.1,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.4 software dependencies (patch 7)**

* composer-2.1,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**Magento 2.4.5:**

***Use:***

* Magento 2.4.5 primarily addresses security internal timeline issue and quality improvements.
* This platform security by patching potential internal timeline
* Improves performance with enhancement to caching mechanisms and database optimizations.

***Issues:***

* Users upgrading from older versions may need to ensure compatibility with new security features.
* Custom themes and extensions might require updates to align with the latest Magento standards.

**2.4.5 software dependencies:**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.5 software dependencies (patch 1)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.5 software dependencies (patch 2)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,
* Redis -6.2

**2.4.5 software dependencies (patch 3)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,3.11
* Redis -6.2

**2.4.5 software dependencies (patch 4)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,3.11
* Redis -6.2

**2.4.5 software dependencies (patch 5)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,3.11
* Redis -6.2

**2.4.5 software dependencies (patch 6)**

* composer-2.2,
* elastic search,
* open search-1.2,
* maria Db-10.4,
* php-8.1,
* rabbitMq-3.9,3.11
* Redis -6.2

**Magento 2.4.6:**

***Use:***

* Magento 2.4.6 introduces significant enhancements in security, platform performance, and developer experience.
* Implements security improvements, including platform hardening and security-only patches.
* Enhances Adobe Stock Integration, GraphQL, and infrastructure improvements for Adobe Commerce.

***Issues:***

* Users upgrading from older versions need to thoroughly test customizations for compatibility.
* Third-party extensions may require updates to align with changes in core functionality.

**2.4.6 software dependencies**

* composer-2.2,
* elastic search,
* open search-2.5,
* maria Db-10.6,
* php-8.1,8.2
* rabbitMq-3.9,3.11
* Redis -7.0

**2.4.6 software dependencies (patch 1)**

* composer-2.2,
* elastic search,
* open search-2.5,
* maria Db-10.6,
* php-8.1,8.2
* rabbitMq-3.9,3.11
* Redis -7.0

**2.4.6 software dependencies (patch 2)**

* composer-2.2,
* elastic search,
* open search-2.5,
* maria Db-10.6,
* php-8.1,8.2
* rabbitMq-3.9,3.11
* Redis -7.0

**2.4.6 software dependencies (patch 3)**

* composer-2.2,
* elastic search,
* open search-2.5,
* maria Db-10.6,
* php-8.1,8.2
* rabbitMq-3.9,3.11
* Redis -7.0

**2.4.6 software dependencies (patch 4)**

* composer-2.2,
* elastic search,
* open search-2.5,
* maria Db-10.6,
* php-8.1,8.2
* rabbitMq-3.9,3.11
* Redis -7.0