

How to Upgrade Magento 2 to Latest Version

Step 1: Create a Backup

Backing up the Magento 2 store before performing the upgrade process is important to protect against data loss in case of any adverse events during the upgrade.

Step 2: Turn on Maintenance Mode

It is important to turn maintenance mode before upgrading it. You can turn the maintenance mode on by using the following command:

```
php bin/magento maintenance:enable
```

Running the above command will turn the maintenance mode on in Magento 2, and your store will be ready for the upgrade process.

Step 3: Run Magento 2 Upgrade Commands

Once your store is ready for an upgrade, you can run the Magento upgrade commands. In this tutorial, we will be upgrading the store to the latest Magento version, i.e., Magento 2.4.5 Run the following commands:

```
composer require magento/product-community-edition 2.4.5 --no-update
```

```
composer update --ignore-platform-reqs
```

ISSUES

1.set php version 8.1 for magento 2.4.5

How To Install PHP (8.2, 8.1, 7.4,7.3,7.2,7.1.7.0) on Ubuntu 22.04

First, log in to Ubuntu 22.04 via the console. Then update the Apt cache and upgrade the current packages of the system using the following command:

```
sudo apt update && sudo apt upgrade
```

1.Install a few dependencies required by this tutorial with the below-mentioned command:

```
sudo apt install software-properties-common ca-certificates  
lsb-release apt-transport-https
```

2.Add the Ondrej PPA to your system, which contains all versions of PHP packages for Ubuntu systems.

```
LC_ALL=C.UTF-8 sudo add-apt-repository ppa:ondrej/php
```

3.Now, update the Apt package manager cache.

```
sudo apt update
```

4.The SURY repository contains PHP 8.2, 8.1, 8.0, 7.4, 7.3, 7.2, 7.1, 7.0 & PHP 5.6. As the latest stable version of PHP is 8.2, but a large number of websites still required PHP 7. You can install any of the required PHP versions on your system.

Install PHP 8.2:

```
sudo apt install php8.2
```

Install PHP 8.1:

```
sudo apt install php8.1
```

Install PHP 7.4:

```
sudo apt install php7.4
```

Install PHP 5.6 (EOL):

```
sudo apt install php5.6
```

5. Replace version 8.2, 8.1, 7.4, or 5.6 with the required PHP version to install on Ubuntu. Even you can install multiple PHP versions on a single Ubuntu system.

Now after installation verify that the correct version of PHP is installed by checking the version number by the below-mentioned command:

```
php -v
```

Switch Default PHP Version for CLI

```
sudo update-alternatives --config php
```

There are 4 choices for the alternative php (providing /usr/bin/php).

Selection	Path	Priority	Status

* 0	/usr/bin/php8.1	81	auto mode
1	/usr/bin/php5.6	56	manual mode
2	/usr/bin/php7.4	74	manual mode
3	/usr/bin/php8.0	80	manual mode
4	/usr/bin/php8.1	81	manual mode
5	/usr/bin/php8.2	82	manual mode

Press to keep the current choice[*], or type selection number: 2

Magento upgrade 2.4.5, phpunit issue

you need to find the "require-dev" in your magento root **composer.json** file

```
"require-dev": {  
    "allure-framework/allure-phpunit": "~1.5.0",  
    "dealerdirect/phpcodesniffer-composer-installer": "^0.7.0",  
    "friendsofphp/php-cs-fixer": "~3.3.0",  
    "lusitanian/oauth": "~0.8.10",
```

```
"magento/magento-coding-standard": "*",  
"magento/magento2-functional-testing-framework": "^3.7",  
"pdepend/pdepend": "~2.10.0",  
"phpmd/phpmd": "^2.9.1",  
"phpstan/phpstan": "~1.2.0",  
"phpunit/phpunit": "~9.5.0",  
"sebastian/phpcpd": "^6.0.3",  
"squizlabs/php_codesniffer": "~3.6.0",  
"symfony/finder": "^5.2"  
}
```

replace this code after you need just run below commands:

```
composer require magento/product-community-edition 2.4.5 --no-update
```

```
composer update
```

After upgrading the Magento store to the latest version, it is important to run the following commands to run the upgrade module, clear cache, run compile and reindex for better performance

```
php bin/magento setup:upgrade
```

```
php bin/magento setup:static-content:deploy -f
```

```
php bin/magento cache:flush
```

```
php bin/magento setup:di:compile
```

```
php bin/magento indexer:reindex
```

Step 4: Magento 2 Version Check

Once you have followed the above steps properly; you can check the Magento 2 version to ensure the upgrade process is successful. Run the following command to verify the upgraded Magento 2 version:

```
php bin/magento --version
```

That's it! Your store has been successfully upgraded to the latest version of
Magento 2.4.5