

# 5.4.0-BETA Release Notes

## Discover eZ Publish Platform 5.4 "Castor"

7th November 2014



eZ Publish Platform 5.4 is our last 5.x release before we launch eZ Platform (aka 6.0) next year, based on the Platform parts that have been introduced and matured during the 5.x releases starting with 5.0 two years ago.

5.4 is a sibling release to 5.3, meaning it will be supported as a LTS (Long term supported) together with it. Where 5.3 provides already very high stability, 5.4 provides further forward compatibility with eZ Platform, and in addition to shipping with new "eZ Platform" features as showcased by 5.4 will thus receive some additional improvements during first part of 2015 when necessary to make sure upgrading from 5.4 to eZ Platform will be as smooth as possible.

### Practical information for beta testers

*Rolling update:* This beta is a rolling update, there are beta / RC updates via composer until final release is out, where you should re-install with the final.

*Download:* This release is available in TTL license for eZ Partners in [Partner Portal](#), alternatively the open source parts of the product comparable to this beta is available as part of [2014.11 Community release](#).

*Reporting bugs:* Make sure to mark affected version to be the same version you currently have, so if you just downloaded beta1 report it as 5.4.0-beta1, but if you have done composer update and received RC packages, report as 5.4.0-RC1. If on Community release mark affected as v2014.11 if that is what you have.

### Quick links

- [Install](#)
- [Requirements](#)
- [<upgrade guide from 5.3 & 5.2 coming>](#)

## 5.4 Features

5.3 introduces several new features which makes it easier to use, faster to develop on and also continues to improve performance.

### Batteries included: Symfony 2.5, later update to 2.6 & 2.7 LTS

Given the theme of this release compared to 5.3 is to provide access to all the latest features and be as close to what you would expect from eZ Platform next year, we bundle it with Symfony 2.5 which provide a slew of new features and improvements to make your life easier. We further plan to bump the Symfony version to Symfony 2.6 in December, and lastly update to 2.7LTS in beginning of summer 2015. Symfony 2.7LTS is the Symfony version 5.4 will be supported with for the rest of its long term supported life.

New features since Symfony 2.3LTS:

- [Symfony 2.4](#)
- [Symfony 2.5](#)
- December 2014 update: [Symfony 2.6](#)
- Summer 2015 update: [Symfony 2.7 LTS](#)

## Binary files / IO improvements

### Native IO support, using Flysystem as a default handler

Handling of binary files input/output is now native. The default configuration uses [thephleague/flysystem](#), an abstract Flysystem library. This will allow eZ Platform to support all kind of solutions for binary storage in the future.

- Pull-request: [ezsystems/ezpublish-kernel#1017](#)
- JIRA issue: [EZP-23328 - Split the IO handler interface](#)
- Documentation: <https://doc.ez.no/display/EZP6/Binary+files+handling>

### Native support for legacy DFS cluster

Building on top of the Native IO system, a legacy metadata handler has been added, compatible with the legacy database, the official solution for multi-server eZ Publish 4.x and 5.x. This avoids the overhead of legacy fallbacks for binary file lookups in 5.4.

- Pull-request: [ezsystems/ezpublish-kernel#1031](#)
- JIRA issue: [EZP-23437 - Finish the native DFS IO metadata handler](#)
- Documentation: <https://doc.ez.no/display/EZP6/Legacy+DFS+cluster>

## URL decorators

The revamp of the IO architecture brings much flexibility in how URL of images and binary files are handled. It is now very easy to serve images from a static server by means of semantic configuration.

- Pull-request: [ezsystems/ezpublish-kernel#1039](#)
- JIRA issue: [EZP-23441 - IO Url decorator configuration](#)
- Documentation: <https://doc.ez.no/display/EZP6/Binary+files+URL+handling>

## New ImageAlias system using Imagine

Image alias system can be considered as one of the oldest features in eZ Publish. It is a very flexible mechanism for managing content images and has long proven its efficiency. For 5.4 we have migrated the feature to being Symfony based using LiipImagineBundle and Imagine library. This allows for new functionality in terms of extensibility for developing your own filters and built in support for image handling via **GD** (default), **Imagick** (through Imagick PHP extension) and **GraphicsMagick** (through Gmagick PHP extension).

- Blog post: [New in eZ 5.4: Image alias system revamped](#)

## Improved HTTPCache system using FOSHTTPCache

Being built on top of Symfony, a HTTP framework, Varnish support in eZ Publish is implicit. In 5.2 we introduced [context-aware Http cache](#), allowing cache to be shared even for authenticated users. Version 5.4 goes one step further, adding native support for Varnish 4, and more.

- Blog post: [New in eZ 5.4: HTTP cache reloaded](#)

## SiteAccess aware "dynamic settings injection"

For those that have already started to create services in Symfony with eZ Publish Platform and encountered having to read SiteAccess settings, you have up until this point had to depend on a service called ConfigResolver which would allow you to lookup settings depending on the currently SiteAccess. However as of 5.4 this is no longer necessary, with a new syntax your able to specify the settings you want in normal service configuration and get the resulting scalar value directly in your service.

- Blog post: [New in eZ 5.4: Dynamic settings injection](#)

## Improved Search API Performance

eZ Publish Platform 5.4 and 5.3.3 included noticeable (significant when using several languages) performance improvements when using the Platform Search API.

- Blog post: <http://share.ez.no/blogs/core-development-team/new-in-5.3.3-and-5.4-improved-api-performance>

## Other Improvements

- `ez_field_name`, `ez_field_description` and `ez_trans_prop` Twig helpers
- eZ Matrix FieldType added as a optional community bundle
- eZ Price FieldType added as a optional community bundle

**EZP-22523** - Support locking with Memcached SessionHandler

**CLOSED**

- eZ Find now using Solr 4.10.1
- Demo Bundle:
  - Search page using Repository API
  - Breadcrumbs now using whiteoctober/breadcrumbs-bundle
  - Menu now using knplabs/knp-menu-bundle

## 5.4 Contributors

For 5.3 we want to reach out a special thank you to those that have contributed to this release, especially the brave who have helped out on the "eZ Platform stack".

- crevillo ( "Winner of the 5.4 contributor award" 😊 )
- emodric
- blankse
- pborreli
- flovntp
- wizhippo
- daoudi
- dfritschy
- bchoquet-heliopsis
- iherak
- jeromegamez
- lsmith77
- juanolon
- piribes

In addition, eZpublish-legacy is still receiving a lot of pull requests. The equally brave contributors to this part of the release can be found [here](#).

### 5.4.0 Full Changelog

For the full 5.3 changelog please refer to the [5.4.0 Changelog](#) dedicated page.

### 5.4 Known issues

The complete list of know issues is available in the [5.4 Known issues](#) page.