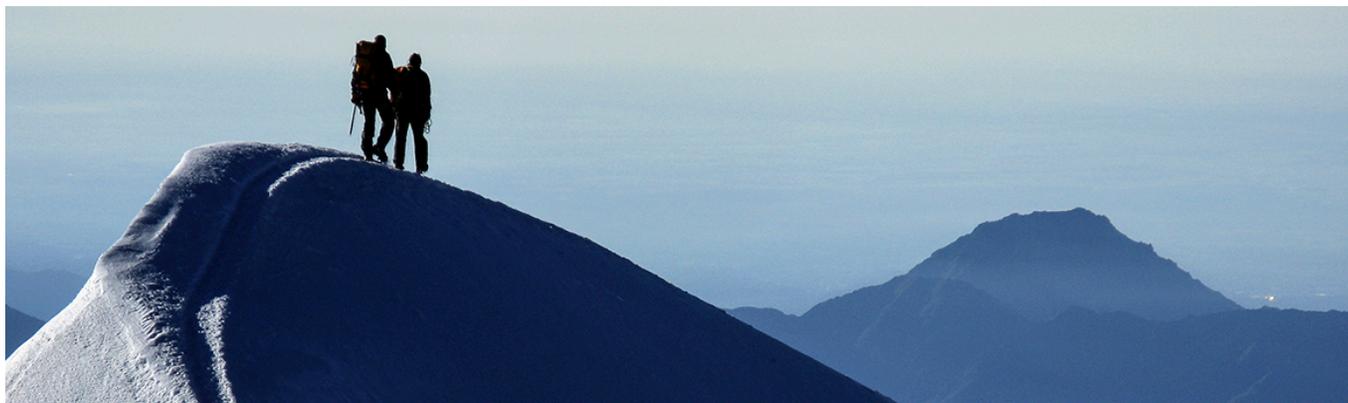


5.4 Release Notes

Discover eZ Publish Platform 5.4 "Castor"

2nd December 2014



eZ Publish Platform 5.4 LTS is our last 5.x enterprise release before we launched eZ Platform and eZ Studio end of 2015, 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 being the last 5.x release is *the* recommended release to use for migrating to eZ Platform and eZ Studio. To make it the best release to use for this migration it is supported all the way until 2021 (see [service life page](#) for details).

Quick links

- [Install](#)
- [Requirements](#)
- [Upgrading: From 5.2 or from 5.3](#)
- [Download: Trial](#) (also available for partners in [Partner Portal](#)), or the full version available for download in [service portal](#) (*Requires customer .*
)
 - *Alternatively there is also the [2014.11 Community release](#) from last month that contains the exact same features as 5.4.0-Beta1 had, however note that community releases are only supported for 2 months at a time as part of being "Fast Track" releases.*

5.4 Features

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

Like earlier 5.x releases for this release we have heavily contributed to existing projects in the Symfony ecosystem to bundle powerful components under the hood which together takes extensibility in eZ Publish Platform to a new level. These third-party libraries and Bundles are fully supported as part of your Enterprise subscription, whitening the subsets of [our supported platform requirements](#).

Batteries included: Running on 2.7 LTS

Given the theme of this release compared to 5.3 is to provide access to all the latests features and be as close to what you would expect from eZ Platform next year, we have during 2015 updated Symfony until reaching the 2.7 LTS that will serve as the Symfony version for eZ Publish Platform 5.4.

New features since Symfony 2.3 LTS (*the version bundled with eZ Publish 5.3*):

- [Symfony 2.4](#)
- [Symfony 2.5](#) (*version bundled with eZ Publish Platform 5.4.0*)
- [Symfony 2.6](#) (*part of eZ Publish Platform 5.4.1 update*)
- [Symfony 2.7 LTS](#) (*part of eZ Publish Platform 5.4.3 update*)

Improved Cluster system

5.4 completes the effort to migrate the [Clustering](#) system to be native Symfony based implementation, while 5.1 took care about caching, both persistence and view (HttpCache), 5.4 takes care about binary file storage.

Note: Both content/download and the script to "clusterize" a installation is currently powered by legacy (4.x) stack.

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: [EJP-23328](#) - Split the IO handler interface **CLOSED**
- Documentation: <https://doc.ez.no/display/EZP/Binary+files+URL+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: [EJP-23437](#) - Finish the native DFS IO metadata handler **CLOSED**
- Documentation: <https://doc.ez.no/display/EZP/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: [EJP-23441](#) - IO Url decorator configuration **CLOSED**
- Documentation: [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), **ImageMagick** (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 you are 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>

- Some further fixes in 5.4.x: [EZF-24915](#) - Solr Search Engine: cleanup structure and use standard bundle naming **CLOSED**
- [EZF-24206](#) - As a Developer I want faster search, using spi cache & indexed columns **CLOSED**
- [EZF-24047](#) - Allow skipping count db query when using SearchService against database **CLOSED**

Added during 2015

5.4 will as mentioned in intro receive additional feature, and *soft* API deprecation backports from eZ Platform development during 2015, the main ones are mentioned here:

Improve Search Engine

Search in "Platform Stack"'s Public Search API is powering any kind of query against the eZ content repository, user search as well as queries to generate menus and list of content. It has from the start been designed to allow transparently being able to be powered by other search backends then the database with no affect on your code.

With the introduction of eZ Publish Platform 5.4.5 we added a new Solr powered Solr Search Engine, Solr itself has built in query cache, support for scaling out load and will give you both better search performance for advance queries, and allow you to offload your database to deal with what it should mainly care about: *Allowing you to create and publish content.*

Relevant reading:

- [5.4.5 Release Notes](#)
- [Solr Search Engine Bundle](#)

Image purging

As of 5.4.5 issues with the new image alias system regarding image alias purging has been resolved, and new way of purging aliases have been documented here: [Image alias handling](#)

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
- [EZF-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 5.4 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 5.4 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.