

# 5.4.5-BETA Release Notes

September 15th 2015

eZ announces the availability of 5.4.5, a maintenance release available for all users of eZ Publish Platform 5.4.

## Beta

5.4.5 is currently in public beta as it introduces new features, Solr search engine Bundle and new Recommendations Bundle, and as it is a beta and undergoing both internal and external testing it is not supported for use in production. 5.4.5-stable is planned to come out 1 month after the first beta, depending on feedback we get on these features.

For reporting issues, mark them as affecting "5.4.5-beta".

## Installing the beta

To be able to get access to the beta you will have to change stability flag on affected/added packages (*Solr and Recommendation are optional new packages*):

```
composer require --no-update ezsystems/ezpublish-kernel:~5.4.5@beta
composer require --no-update ezsystems/ezpublish-legacy:~5.4.5@beta
composer require --no-update
ezsystems/ezplatform-solr-search-engine:~1.0.0@beta
composer require --no-update ezsystems/recommendation-bundle:~1.0.0@beta
```

After this has been done follow the [5.4.x Update Instructions](#) to apply this update to your platforms, but after executing `composer update`, further actions are needed for [Solr Search Engine Bundle](#), and [Recommendation Bundle](#) in order to correctly install them.

## Highlights: New Features

This maintenance release introduces two new eZ Platform features to 5.4.x: Solr Search Engine Bundle and Recommendations Bundle, besides this there are several maintenance issues fixed as listed below both coming from support issues and pull requests from community.

### Improved Search engine powered by Solr



New in 5.4.5, and part of the upcoming eZ Platform release this fall, is support for running API Search queries on top of [Solr](#) instead of SQL based search engine (*specifically "Legacy" search/storage engine*). As Search is essentially powering all Search and Querying ("*fetch*") operations in Platform stack (*aka 5.x/Symfony stack*), this specifically means you can expect much more stable performance from your searches and your system\*, and much better possibility to scale out for your search needs using Solr.

*\* See [5.x Architecture diagram](#) for further information about how persistence load operations are cached by Persistence Cache, and Search queries now are delegated to Solr, meaning database is less affected by system load to mainly deal with content updates.*

Further reading: [Installation documentation for Solr Search Engine](#), [developer info](#) and [source code](#) in our [Solr Search Engine Bundle repository](#), and further [resources on Apache Solr](#).

### Improved Recommendations integration

A new Recommendation Bundle has been made, completely changing how the service is done. Recommendations are now served directly from the Recommendations service, avoiding cache and load problems on your server that was a problem with the previous `ezreco` extension. Tracking has similarly been improved to track directly to Recommendations service, and aligns with how tracking is done with other solutions like Google Analytics.

This first iteration of Recommendation Bundle focuses on personal content recommendations with

tracking of user traffic, tracking of user actions like shopping behaviour is possible using our Recommendations Service API.

*Limitation: Recommendation Bundle currently requires Symfony 2.6 or greater so is limited to eZ Publish Platform 5.4.3+ and eZ Platform/Studio 15.07+. We plan to reduce this requirement to Symfony 2.3 so the bundle can be used with any version of eZ Publish Platform 5.1+.*



Further reading: Documentation on our [Recommendation Service](#), developer documentation and source code in our [Recommendation Bundle repository](#).

## Package Details

### Resolving known issues

Being this release is a beta it contains some known issues that we are working on to document, and when possible to roll out as new updated beta tags via `composer update` as soon as we can.

Known for both Solr and Recommendation:

- Exception if Binary files in database has invalid path prefix
  - Make sure `eZpublish.yml` configuration `var_dir` is configured properly, and that you specify `siteaccess` when indexing content for Solr via command line.
- Exception on unsupported Field Types
  - Make sure to configure all FieldTypes (datatypes) in your installation as `NullType`
- Content not immediately available
  - Solr Search Engine Bundle is on purpose not committing changes on Repository updates, but letting you control this using Solr configuration. Adjust Solr `autoSoftCommit` to control this.
  - For Recommendation service same is the true,

If you still have problems, pop into our Slack channel at <https://ezcommunity.slack.com/messages/ezplatform-use/> to discuss.



















### Package updates

Here are the eZsystems packages that have received an update as part of this release:

package	version	prior version
eZsystems/eZpublish-kernel	5.4.5@beta	5.4.4.1
eZsystems/eZplatform-solr-search-engine	1.0.0@beta	<b>NEW</b>
eZsystems/recommendation-bundle	1.0.0@beta	<b>NEW</b>

### Updates and fixes in this release

Key	Summary	T	Created	Updated
EZP-24915	Solr Search Engine: cleanup structure and use standard bundle naming		Oct 07, 2015	Jan 20, 2016
EZP-24932	Add an optional <code>locationId</code> parameter to the <code>contentView</code> route		Oct 08, 2015	Oct 08, 2015
EZP-24804	Search: Implement Ancestor criterion		Sep 14, 2015	Nov 27, 2016
EZP-24878	ezflow: Filter blocks per zone		Sep 25, 2015	Oct 05, 2015
EZP-24933	Avoid loading API ContentType to validate Field SortClauses		Oct 08, 2015	Oct 09, 2015
EZP-24952	HttpCache: Make X-User-Hash the same for "Anonymous" role and varnish.		Oct 12, 2015	Oct 04, 2016
EZP-24504	Solr search engine fails to index images		Jun 15, 2015	Oct 28, 2015

EZP-24516	ezxmltext ampersands are incorrectly turned into htmlentities twice		Jun 17, 2015	Jan 12, 2016
EZP-24692	Video content object leaves unused video files on the server		Aug 05, 2015	Nov 17, 2015
EZP-24779	ezxmltext converter crashes on rendering links pointing to the non-existing URL IDs		Sep 08, 2015	Oct 15, 2015
EZP-24796	eZ Publish 5.4 installation documentation update with regards to security vulnerability CVE-2015-5723		Sep 10, 2015	Apr 14, 2016
EZP-24809	Create documentation related to the upgrade of eZ Find (to 5.3 & 5.4)		Sep 15, 2015	Oct 21, 2015
EZP-24854	Varnish VCL banishing wrong node_ids		Sep 23, 2015	Apr 22, 2016
EZP-24867	Undefined offset when trying to build inconsistent content from SPI		Sep 24, 2015	Sep 28, 2015
EZP-24868	Autoload generation fails if "<ClassName>::class" is used in a parsed file		Sep 24, 2015	Sep 29, 2015
EZP-24889	Delayed indexing script crashes on large subtree move		Sep 28, 2015	Oct 01, 2015
EZP-24893	Delayed indexing breaks when a node is moved and then trashed		Sep 29, 2015	Oct 07, 2015
EZP-24897	First draft preview in eZ Publish 5.4.4		Sep 30, 2015	Nov 23, 2015
EZP-24906	Link to pdf/list kernel module un breadcrumb is wrong		Oct 05, 2015	Oct 05, 2015
EZP-24918	Delayed indexing: moved nodes logic skips normal pending objects		Oct 07, 2015	Oct 15, 2015
EZP-24982	Generating links when previewing content in siteaccess with URI matching doesn't work		Oct 18, 2015	Jan 07, 2016
EZP-25014	Impossible to update a policy with no limitations		Oct 21, 2015	Oct 23, 2015
EZP-25019	Image aliases are always generated with the new path		Oct 22, 2015	Oct 28, 2015
EZP-25045	Wrong doc instruction on registering Solr Bundle		Oct 30, 2015	Nov 11, 2015
EZP-25053	The Dashboard refers the version as being 5.4.3		Nov 03, 2015	Nov 09, 2015

25 issues