

5.4.5 Release Notes

November 12th 2015

eZ announces the availability of 5.4.5, a maintenance release available for all users of eZ Publish Platform 5.4. In addition to 18 bug fixes, it adds two packages that are part of the upcoming eZ Platform release: Solr as a repository search engine, and a revamped Recommendation engine integration.

Follow the [5.4.x Update Instructions](#) to apply this update to your platforms.

Backwards compatible break

As part of eZ Platform forward compatibility efforts done on 5.4 during 2015, this release backported an API BC break on `eZ\Publish\API\Repository\Values\Content\Query->limit` property where default value is changed from *undefined* (unlimited) to **25**, to fix unpredictable search results with Solr (*and Elastic Search*). Make sure to check your Content and Location queries to specify a limit when you expect more than 25 items to get consistent behavior across versions.

As usual this is documented in `doc/bc` folder, in this case in kernel package: `vendor/ezsystems/ezpublish-kernel/doc/bc/changes-5.4.md`

Highlights: New Features

This maintenance release introduces a new eZ Platform package: support for Solr as a Repository search engine. 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 (*Content, ContentInfo and Location*) on top of Solr instead of SQL based search engine (*specifically "Legacy" search 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 system*, and much better possibility to scale out for your query needs using [SolrCloud](#).

** 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 Bundle](#), developer info and source code in our [ezplatform-solr-search-engine](#) repository, and further [resources on Apache Solr](#) itself.

Package Details

Resolving known configuration issues

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` (`--siteaccess=<name>`) when performing initial indexing via command line.
- Exception on unsupported Field Types
 - Make sure to implement all FieldTypes (*aka datatypes*) in your installation, or configure missing once as `NullType` if implementation is not possible/needed.
- Content not immediately available
 - Solr Bundle: Is on purpose not committing changes directly on Repository updates, but letting you control this using Solr configuration. Adjust Solr `autoSoftCommit` (*visibility of change to search index*) and `autoCommit` (*hard commit, for*

durability and replication) to balance performance and load on your Solr instance against needs you have for [NRT](#).

- Recommendation service: Content should be available within 5-10 minutes after content has been sent to the service by RecommendationBundle.
- Running out of memory during indexing
 - For Stash, make sure to run indexing using prod evn, and make sure to disable in_memory cache as recommended on [Persistence cache doc](#).
 - For Flysystem, an open issue exists where you can find further info <https://jira.ez.no/browse/EZP-25325>

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	5.4.4.3
ezsystems/ezpublish-legacy	5.4.5	5.4.4
ezsystems/ezflow-ls-extension	5.3.8	5.3.7
ezsystems/ezplatform-solr-search-engine	1.0.0	NEW

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 locationId parameter to the contentView 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