

## 5.3-RC1 Release Notes

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### Meet eZ Publish Platform 5.3

eZ Publish Platform 5.3 is a LTS (Long term supported) release (see <http://support.ez.no/Public/Service-Life> for supported period), it mostly offers a continuous improvement of the "Platform stack" (previously referred to as "New Stack", "Symfony stack" or "6.x stack") introduced with eZ Publish Platform 5 in terms of features, usability and performance.

The main topic of 5.3 has been to improve a lot in terms of integration with Symfony environment, building websites on the "eZ Platform" stack and continuously removing legacy dependencies. From 5.3, while it is still possible to use the legacy stack and templating system, we think using the new platform and the Symfony framework is the main way to go. This new platform will also be the foundation for the future eZ Platform as introduced recently (previously referred as "6.x") where it will operate standalone, without dependencies on the legacy stack.

It serves the needs for both a future proofed websites on top of the upcoming "eZ Platform" stack, and as a stable foundation for upgrade needs for existing legacy (4.x) sites with support for the next 3+2 years.

It will also be easily upgradable to 5.4 which will have same legacy kernel+extensions as 5.3, is supported for the length of the 5.3 support period and provide additional features in the "eZ Platform" stack for those in need for near eZ Platform 1.0 functionality, but on 5.x with it's legacy (4.x) compatibility at the same time.

#### Quick links

- [Install 5.3](#)
- [Upgrade from 5.1 to 5.3](#)
- [Upgrade from 5.2 to 5.3](#)

### 5.3 Features

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

#### Doctrine DBAL / DoctrineBundle use

eZ Publish 5.3 now uses Doctrine DBAL instead of Zeta Components Database, this allows users to reuse database connection and settings with other pure Symfony2 bundles which uses Doctrine ORM (default choice in Symfony2 documentation and code generators).

- [DoctrineBundle integration pull-request](#)
- [Legacy storage engine refactoring pull-request](#)
- [DoctrineBundle integration issue](#)
- [Legacy storage engine refactoring pull-request](#)
- [Documentation : Content Repository configuration](#)
- [Upgrade documentation](#)

## User authentication using Symfony security component

New login / logout functionality that uses Symfony's authentication system, this enables any kind of login handler or SSO handler made for Symfony to also work with eZ Publish 5., including handlers for LDAP.

- [Original pull request](#)
- [Original issue](#)
- [Documentation: Authentication with Symfony](#)
- [Documentation: How to authenticate a user with multiple user providers](#)

## Legacy SSO support

Allows use of existing legacy SSO handlers with the new user login system in 5.3 which is powered by Symfony.

- [Original pull request](#)
- [Original issue](#)
- [Documentation: Authentication with Legacy SSO Handlers](#)

## Content Preview using "eZ Platform" stack

With 5.3 your content previewing needs, also from the current legacy based admin interface will run on the new "*eZ Platform*" stack, avoiding that you need to also create all templates in legacy to be able to preview correctly.

- [Original pull request](#)
- [Original Issue](#)

## Twig & Tpl Template debug in Symfony Web debug Toolbar

Developer feature known from legacy which allows you to see which templates are used on a page, how many times and how much time they spend being executed.

- [Original pull request](#)
- [Original issue](#)
- [Documentation : Templates informations in Web Debug Toolbar](#)

## Language Switcher

The language switcher is built on the Symfony stack and is improved for a simpler usage.

- [Original pull request](#)
- [Original issue](#)
- [Documentation : Language Switcher](#)

## Location Search API

Tree based "fetches" are now allowed be performed with the new Location Search API, allowing generation of tree structures much more easily by returning the location instead of content, as done by existing Content Search API, and by applying any location filters on the specific location instead of *any* of the locations of a Content object.

- [Original pull request](#)
- [Original issue](#)

## REST API v2 improvements

HTTP Cache aware, CORS support and support for OPTIONS method.

- [Pull request for HTTP Cache aware](#), [Pull request for CORS support](#), [Pull request for OPTIONS](#)
- [Issue for HTTP Cache aware](#), [Issue for CORS support](#), [Issue for REST OPTIONS](#)
- [Documentation : REST API v2](#)

## Search API support for MapLocation Criterion and SortClause

Search API is now able to search for content with geolocation making it possible to do geolocation range searches and sorting by distance from a point; on Demo site this is shown using a [restaurants-close-to-you](#) page.

- [Original pull request](#)
- [Original issue](#)
- [Documentation : 2. Browsing, finding, viewing#2.Browsing,finding,viewing-Search](#)

## Legacy extensions in bundles

With this new feature mixing legacy and "eZ Platform" needs has become a whole lot easier. Easily said it allows you to place legacy extensions within a Bundle structure and eZ Publish 5.3+ will make sure it is injected into legacy kernel.

Example use case: `CommentsBundle` with a light admin tab in legacy allowing you to moderate comments.

- [Original pull request](#)
- [Original issue](#)
- [Documentation : Legacy code and features - Legacybundles](#)

## Legacy Website Toolbar

Not to be mixed with the Web Debug Toolbar provided by Symfony and extended by eZ Publish, this feature is about allowing "ezwt" (Website Toolbar) extension to also work in DemoBundle to provide the front-end editing functionality that you know from 4.x.

- [Original pull request](#)
- [Original JIRA Issue](#)
- [Display the eZ Website Toolbar](#)

## eZFind Solr 4.x support

Solr 4.7.0 support in ezfind allows for use of new functionality provided by Solr 4.x such as Solr Cloud allowing Solr to be scaled out over several servers, it also provides improved performance for indexing and new options like soft commit to control this.

- [Original pull request](#)
- *Note: This feature currently has several regressions, feedback wanted on how it behaves at your side.*

## Demo Site: Places

Taking advantage of the MapLocation feature a new feature is exposed in the demo showing how to implement listing and map views of content using the maplocation field.

- [Original pull request](#)
- [Original issue](#)
- [Documentation on The MapLocation FieldType](#)

## Other Improvements

- [Lazy services \(issue, pull request, symfony documentation\)](#)
- [Configurable IndexPage \(issue, pull request, documentation\)](#)
- [ez\\_is\\_field\\_empty](#), updated to support passing field object as second parameter.

## 5.3 Contributors

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

- [crevillo](#)
- [hhamon](#)
- [bchoquet-heliopsis](#)
- [is06](#)
- [stof](#)
- [Plopix](#)
- [taenadil](#)
- [Djamy](#)
- [jeromegamez](#)

- [gabriperego](#)
- [rolebi](#)
- [emodric](#)

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

## 5.3 Full Changelog

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

## 5.3 Known issues

The complete list of know issues is available in the [5.3 Known issues](#) page.