FORMCENTRIC

Release Notes

Version 7.2.2

Formcentric for FirstSpirit: Release Notes

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Access to documentation

You can always find the latest version of the release notes in the Help centre help.formcentric.com. Older versions and additional information are available in the Formcentric Helpdesk helpdesk.formcentric.com.

Releases

Version 7.2.2

The following improvements are included in release 7.2.2:

Stricter evaluation of wildcard patterns

The validation of target addresses and hostnames in redirect actions, webhooks, and double opt-in emails has been tightened: wildcard patterns defined in the configuration are now interpreted more strictly. For example, the pattern *.your-domain.com no longer matches the domain your-domain.com, as it does not include a subdomain.

Please review existing configurations to ensure that all intended hosts or URLs are still covered by the defined patterns. Otherwise, undesired blocking or delivery issues may occur.

Validation of infinity values in the number validator

The number validator now explicitly checks for invalid numeric input such as "Infinity" or "NaN". Such values are now rejected during validation.

Fallback for missing revision number

In multi-project environments, it may happen that no valid revision number can be determined when editing a form across projects. In such cases, the invalid version number "-1" was previously used, which led to errors when submitting the form to Formcentric Analytics. As a fallback, a counter is now used that is incremented each time the form is saved.

Bug fix in condition validation

A bug in condition validation was fixed that caused certain inputs related to selection fields to be incorrectly marked as invalid.

Improvements to the Web Editor

When inserting multiple elements, the most recently added element is now automatically selected to facilitate further editing. The dropzone in the form tree has been optimized so that dropped elements are recognized more reliably and can be placed more accurately.

The search bar in the form editor now remains fixed at the top when scrolling, ensuring it is always accessible. Additionally, the search for form elements now correctly displays the actual page on which the found element is located. An incorrect display with "Page 1" has been corrected.

The scroll behavior when selecting or inserting elements has been adjusted: the view now automatically scrolls to the top of the form to improve orientation.

Client-side Optimization of Headless Forms

To improve integration with FirstSpirit, dynamic initialization has been introduced. Changes to the form DOM are now detected using a MutationObserver, allowing

forms to be automatically reinitialized when changes occur (see also section 5.6 "Page Template" in the developer manual).

A bug was fixed that caused captchas on the first form page to not function reliably.

The overflow logic has been decoupled from the themes and moved to the FormApp. Forms now automatically adapt to the required height. Specified height settings are only applied on desktop systems, while mobile devices continue to use the full height of the form.

The logging functionality in the Formcentric client has been fundamentally revised. Instead of separately enabling logging for Formapp and the wrapper via the browser's LocalStorage, the debug log can now be activated globally through the *formcentric* object on the *window* object by setting *debug: true*, or on the form level using the attribute *data-fc-debug="true"*. Logging is now based on the native console methods (*console.error*, *console.warn*, *console.info*, *console.debug*), where debug information must be explicitly enabled.

To avoid unnecessary server requests, any requests triggered after calling */finish* or */cancel* are now automatically aborted.

Layout improvements have been made in the themes: fields with hint buttons now have a uniform width by placing the buttons inside the decorator. Additionally, the spacing of fieldset labels has been adjusted to align consistently with the spacing of other elements.

Update of Third-Party Libraries

As part of this release, the following libraries were updated to the specified versions:

- Spring Framework 6.2.6

- Spring Boot 3.4.3

- Spring Security 6.4.3

- Apache HttpClient 5.4.2

- HttpCore 5.3.4

Version 7.2.1

The following improvements are included in release 7.2.1:

Overlooked "mwf" Prefixes

During the migration of legacy templates, some "mwf" prefixes were not updated. This version corrects the faulty templates.

Web Editor Update

The web editor has been updated to version 2.9.7. This update adds a missing label.

Version 7.2.0

The following new features and improvements are included in Release 7.2.0:

Additional captcha providers

In addition to JCaptcha, you can now also use reCAPTCHA and FriendlyCaptcha.

New credit card number validator

The new validator checks the entered credit card number for the correct length, valid checksums, and recognized card providers.

New data sources

New data sources for weekdays, months, and years are now available.

Webforms templates restored

To simplify the update to Formcentric 7, the legacy templates removed in version 7.0 have been reintroduced.

Note: The legacy templates are enabled by default.

Update to Formcentric Analytics 4.4

Formcentric Analytics 4.4 now supports the *Elasticsearch* search engine in addition to *Solr*. For more information on Analytics 4.4, see the release notes in *formcentric_analytics_releasenotes_de.pdf*.

Page-level validation

Starting with Formcentric 7.2, you can create custom validators to validate entire form pages.

New validator for the number of filled fields

The new *Filled Form Elements (Min/Max)* validator lets you specify how many fields on a page must be filled in at a minimum or maximum. It does not matter which specific fields are filled.

New themes with animated page transitions for headless forms

Formcentric now provides additional headless themes that feature an animated transition between pages. These themes are particularly well-suited for forms with many consecutive questions, each displayed on its own page.

Extended configuration in the SiteManager

A special configuration dialog for the headless web application is now available in the SiteManager, allowing you to configure Spring Actuator endpoints.

Building the module without analytics

In the development workspace, the module can now also be built without the Analytics extension. To do so, use the "analytics" Maven profile, which can be enabled or disabled when building the workspace.

Version 7.1.1

The release 7.1.1 includes the following changes:

More flexible URL generation through a configurable URL creator

With the new project component *Formcentric Project Configuration*, it is now possible to optionally configure an alternative URL creator for Formcentric. This will be used in place of the URL creator passed in the generation context to generate URLs for content referenced from forms.

New Themes for Headless Forms

The themes *Atlanta* and *Seattle* are now also available for headless forms.

New Toggle Function for Labels and Technical Names

The form editor now offers the option to switch between displaying labels and technical names for form elements. This setting can be adjusted via a new three-dot menu in the editor's title bar.

New Formcentric data sources

This release provides three new data sources, which offer values in six languages (en, de, fr, it, es, ru): years, months, and days of the week.

Update to FormApp

The behaviour of forms where the last page is hidden by a condition has been improved. The labels of the Next and Submit buttons are now automatically adjusted.

Extended Configuration Options

The configuration of the mail server used in the web application can now alternatively be done via environment variables.

Bug fix for the display of umlauts

On operating systems that do not use UTF-8 encoding, umlauts in the form could sometimes be displayed incorrectly.

Bug fix in the webhook action

A bug was fixed in the webhook action that prevented file attachments from being correctly transferred to the webhook.

Update to Formcentric Analytics

Formcentric Analytics has been updated from version 4.3.3 to 4.3.11. For detailed information, please refer to the release notes in the document *formcentric_analytics_releasenotes_de.pdf*.

Update of various third-party libraries

The Spring Framework has been updated to version 6.1.6, Spring Boot to 3.2.5, and Micrometer to 1.13.3. Additionally, the Apache HTTP Client API has been upgraded to version 5.3.1.

Version 7.1.0

The release 7.1.0 includes the following changes:

Upgrade to Java 17 and Jakarta EE

To ensure compatibility with the current FirstSpirit versions, the codebase has been updated to Java 17 and Jakarta EE.

Therefore, the use of Formcentric 7.1 requires at least JDK 17 as well as Tomcat 10 or Jetty 11.

Update of the form editor in ContentCreator

This update extends and improves the customizability of the editor.

Update to Spring 6

The web application has been upgraded to Spring 6. This update also included replacing the CORS interceptor with the one provided by Spring 6.

Update to Formcentric Analytics 4.3.1

Formcentric Analytics 4.3.1, besides offering complete Java 17 / Jakarta EE support, includes various bug fixes and improvements. For detailed information about Formcentric Analytics 4.3, please refer to the release notes in the document *formcentric_analytics_releasenotes_de.pdf*.

> Please note that existing Analytics installations older than version 4.1.4 must be upgraded to version 4.1.4 first before upgrading to version 4.2 or a newer version.

Version 7.0.1

This release includes the following bug fixes and improvements:

Support for custom options in selection lists

For selection lists that contain editorially defined options, there is now the possibility to allow users to add their own options.

Formcentric Themes

The module now contains a range of themes that can be used to display the forms. The themes can be found both in the project resources and in the development workspace. See also section 5.7 in the developer manual

Update of the Spring Framework

The Spring Framework has been updated to version 5.3.34. This upgrade addresses an incompatibility issue with Jetty 10.

Update of Formcentric Analytics

Formcentric Analytics has been updated to version 4.1.4. You can find details about this release in the corresponding release notes of Formcentric Analytics.

Extension of the Formcentric jQuery plugin

The *onRedirect* callback function now allows, based on its return value, to permit or prevent an automatic redirect.

Error correction in the conversion of Webforms forms

This update fixes an errorv in the conversion of Webforms to Formcentric forms. Condition elements that were originally placed within a layout element were mistakenly moved to the beginning of the form. With the correction, these condition elements are now moved directly in front of the corresponding layout element.

Selective display and mailing of form elements

With this release, an inconsistent behavior between the headless application and the Spring MVC web application is eliminated. In the summary and in the email action, the form elements to be displayed or sent must now be explicitly selected. An empty selection no longer results in all elements being automatically displayed or sent.

Handling of summary elements with empty selection

When converting WebForms forms to Formcentric forms, hidden fields are no longer automatically included in summary elements with empty selection.

Improvement of the form editor in ContentCreator

This update fixes several errors. Specifically, the function for automatically renaming form elements, which is activated when they are moved or copied, has been improved. Additionally, it is no longer possible to use the same password element for comparison in the password validator. Options with the value "EMPTY_VALUE" are now correctly imported. Customized labels for the forward and back buttons will no longer be overwritten by standard labels. Furthermore, actions can no longer be nested within each other via drag-and-drop.

Formcentric 7

The release 7.0.0 includes the following changes and improvements:

Renaming of *Webforms* to *Formcentric*

This affects both the user interface and the source code. DDetailed information about the renaming completed in the source code can be found in the migration guide *formcentric_migration.pdf*.

User interface refresh

The user interface for the Form Editor in ContentCreator and SiteArchitect has been reworked from scratch. You should adjust your Editor extensions in SiteArchitect to match the new design.

New headless application

Alongside the existing Spring MVC-based web application, a headless application is now also available, which can be used with the new React-based client application (see section 4.4 in the Developer Manual).

New form elements

The form elements *Email address, Phone, Date, Number* and *Short text* have been added to allow the faster creation of input fields with a specific format. Formcentric provides corresponding JSP and FreeMarker templates to output these new field types, and you can modify these templates to suit your own requirements.

Image elements in forms

The new *Image* form element can be used to include images in the form at the element level. For this functionality, Formcentric provides a corresponding JSP and FreeMarker template, which you can modify as needed.

Changes to layout element

Changes have been made to the way in which the layout element is used: form elements that should be assigned to a layout are now arranged underneath the layout element. Existing forms will be modified automatically when they are opened in the Editor.

Extended drop-down lists

Drop-down lists now offer the function of being extended by user-defined options. In addition, a temporary placeholder text can be specified that remains visible until a selection has been made.

Changes to the summary

In earlier versions, all form elements were shown automatically in the summary if no elements had been assigned to the summary. This has changed with Formcentric 7. Form elements must now be explicitly assigned to the summary. For existing forms that have a summary without any assigned elements, all of the form's form elements

are automatically assigned to the summary's element list when the form is opened for the first time in the Form Editor.

New property for field widths

The field width can now be specified separately for most form elements. The attribute used for this to date, *display variant*, has now been extended so that you can now select multiple display variants for a form element. The available field widths can – similarly to the display variants – be specified in the paragraph style sheet for each element type.

```
<FIELD_WIDTHS>
    <FIELD_WIDTH name="mwf-s" type="inputField">
      <LANGINFOS>
        <LANGINFO lang="*" label="25% width"/>
        <LANGINFO lang="DE" label="25% Breite"/>
      </LANGINFOS>
    </FIELD_WIDTH>
</FIELD_WIDTHS>
```

Hide default buttons

The *Next, Back, Cancel* and *Submit* buttons can now be hidden. The matching settings for this functionality can be found in the page/form properties.

Removal of Excel action

This function has been removed in this release. In future, use Formcentric Analytics to store form submissions in a central location.

Removal of macro function

The macro function has been temporarily removed. An improved version of this function will once again be provided in a later release.

Removal of Legacy Templates

The old Freemarker and JSP templates have been removed.