



FirstSpirit™

Unlock Your Content

Release Notes

FirstSpirit™ 2020-11

Status	RELEASED
Department	FS-Core
Copyright	2020 e-Spirit AG
File name	Releasenotes_2020_11_EN

e-Spirit AG

Stockholmer Allee 24
44269 Dortmund | Germany

T +49 231 . 477 77-0
F +49 231 . 477 77-499

info@e-Spirit.com
www.e-Spirit.com

e-Spirit

Table of contents

1	General.....	5
1.1	Java: Support for OpenJDK 15.....	5
2	ContentCreator.....	6
2.1	“Smart Cropping”: Official release.....	6
2.2	Editing datasets from the search report.....	9
2.3	Media Management: Editing media from other projects (“remote”).....	10
2.4	Navigation view: Handle for moving elements.....	11
3	FirstSpirit Content Experience Tools (CXT).....	12
3.1	"SameSite" attribute with HTTP/S connections.....	12
3.2	Latest module versions.....	13
3.3	PageRef DAP: Supports URL output and can be used in the markdown editor.....	14
4	SiteArchitect / ServerManager.....	16
4.1	"FirstSpirit Launcher JRE" module: update to Java versions.....	16
5	System.....	17
5.1	Updates to integrated third-party software.....	17
5.2	Reminder: Changeover to the new control files for Windows and Linux.....	17
6	Deprecations.....	18
7	Overview.....	20



8	Categories.....	24
8.1	ContentCreator.....	24
8.2	Database.....	25
8.3	Content Store.....	25
8.4	Dynamic Forms.....	26
8.5	Developer.....	26
8.6	FirstSpirit Content as a Service (CaaS).....	27
8.7	FirstSpirit Content Experience Tools (CXT).....	27
8.8	FirstSpirit Omnichannel Manager.....	28
8.9	FirstSpirit Administrator.....	28
8.10	FirstSpirit API.....	29
8.11	FragmentCreator.....	30
8.12	Release.....	30
8.13	Integrated software.....	30
8.14	Java.....	31
8.15	Launcher.....	31
8.16	Media.....	31
8.17	Media Store.....	32
8.18	Module development.....	32
8.19	Modules.....	33
8.20	Performance.....	33



8.21	Editor.....	33
8.22	Remote access.....	34
8.23	Reports.....	34
8.24	Server Administrator.....	35
8.25	Security.....	35
8.26	SiteArchitect.....	36
8.27	Languages.....	36
8.28	Preview.....	36



1 General

1.1 Java: Support for OpenJDK 15

For operating FirstSpirit, e-Spirit AG supports:

- OpenJDK: the current Java version as well as the latest LTS (Long-Term-Support) variant.
- Oracle Java: only the latest LTS (Long-Term-Support) variant.

This applies to both the FirstSpirit Server and the FirstSpirit desktop applications.

As of FirstSpirit 2020-11, OpenJDK 15 (non-LTS; release date 2020/09) is officially approved for use with FirstSpirit (i.e., the FirstSpirit Server and the FirstSpirit desktop applications).

AdoptOpenJDK 15 is included in the “FirstSpirit Launcher JRE” module (see module “FirstSpirit Launcher JRE”: Updating Java versions). After appropriate configuration, FirstSpirit desktop applications can be started via the “FirstSpirit Launcher JRE” module using the FirstSpirit Launcher with AdoptOpenJDK 15. (For documentation on the FirstSpirit Launcher JRE module, see the corresponding [documentation](#)).

With support for OpenJDK 15, support for **OpenJDK 14** (non-LTS; release date was 2020/03) expires.

FirstSpirit is expected to remain functional with OpenJDK 14. However, e-Spirit AG will neither carry out tests with OpenJDK 14 nor implement any measures designed to eliminate errors or problems that are exclusively associated with the use of OpenJDK 14.

Current status: The following JDKs are therefore compatible for FirstSpirit 2020-11:

- OpenJDK 15 (in its current version) (non-LTS) (*)
- OpenJDK 11 (in its current version) (LTS) (*)
- Oracle Java 11 (in its current version) (LTS)

(*) Recommended: Use of the OpenJDK distribution AdoptOpenJDK (HotSpot JVM).

Further documentation see [FirstSpirit: Technical requirements and recommendations](#).



2 ContentCreator

2.1 “Smart Cropping”: Official release

Images are important for any website; they are vital if content is to be conveyed clearly and evoke an emotional response. However, images provided for a website often have to be cropped first before they can be used: The proportions of the original images might not be compatible with those required for a website. Or, if images contain multiple motifs or objects, the editor might want to “focus” on a certain section of the image. This can mean a great deal of manual effort, not least if different formats (in the world of FirstSpirit: “resolutions”) are involved and different crops need to be created for different formats.

The new “SmartCropping” function in ContentCreator delivers intelligent technology to help editors to find and define a compatible crop from an image for all resolutions simultaneously in just a few clicks. The function automatically calculates a suitable crop for any resolution based on an area of the image selected by the editor drawing a frame around it as the main motif (“focus area”). The “golden cut” ensures that the composition of the image is proportioned organically and harmonically rather than being rigid and engineered.

The steps taken by editors are intuitive, because cropping results are immediately visible and can be checked and then easily reset.

FirstSpirit 2020-07 marked the start of the ramp-up phase for the new “Smart Cropping” function. Since then the function has been tested by selected customers and partners.

In **FirstSpirit 2020-10**, the *fs-server.conf* file was expanded to support activation by a configuration parameter and also tested.

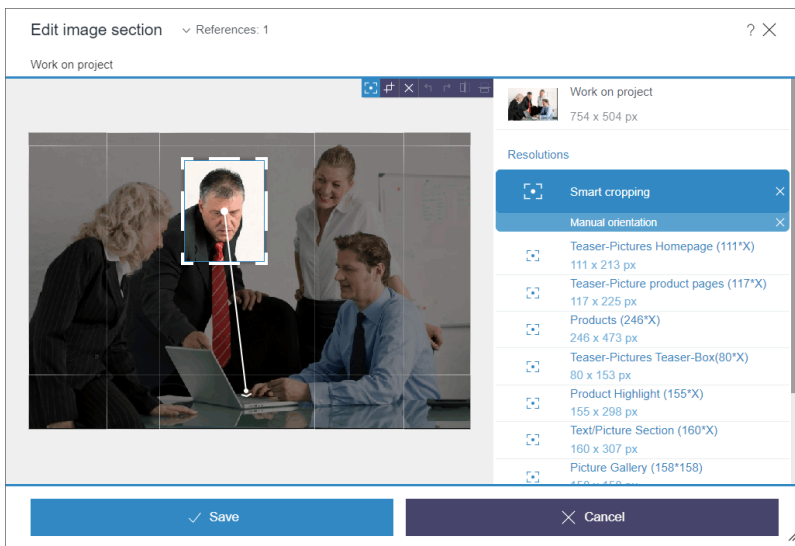
With the **current release**, the function is now available as standard to all customers and partners in all projects.

It can be accessed in ContentCreator via the icon



on images in the Media Management or (if the settings have been configured accordingly, “*editorId*”) on images in the preview.





As before, the resolutions for an image are calculated automatically by the system. They are identified by this icon:



The editing options bar is displayed above the image when you hover over with the mouse.

Image areas for **all** resolutions calculated automatically can be defined as follows:

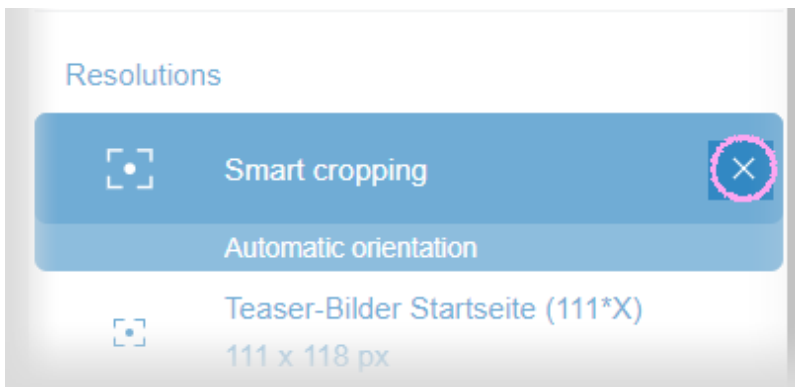
1. Use the mouse pointer to draw a frame around the main motif in the image.
2. For an approximate check, other frames show what the crop will look like for other resolutions.
3. Move the frame (make it bigger/smaller) to select a compatible area of the image for all resolutions.
4. Use the perspective handle to expand the crops calculated automatically based on the area of focus in a specific direction.
5. Once the result meets the requirements for all resolutions, it can be saved.

For fine-tuning, the effect can be checked **separately** for each resolution. Simply hover the mouse pointer over the required resolution.



Click to select the resolution. A frame can be drawn around a suitable area manually for this purpose (“manual crop”).

Crops can be reset easily using the icons



List of resolutions

or



Image edit options (mouseover)

Additional documentation:

- For editors: “ContentCreator documentation”, [Crop image](#) page
- For administrators: “Documentation for administrators”, [Resolutions](#) page

Migration notice: If parameter `webedit.eap.focuscrop=true` has been set in the `fs-server.conf` configuration file or in FirstSpirit ServerMonitoring with FirstSpirit 2020-10, it should be removed with FirstSpirit 2020-11. It is no longer needed.

Outlook: Special online services (e.g., from Google, Amazon, Microsoft) already support automatic recognition of objects in images. e-Spirit is currently developing a FirstSpirit module which will support the use of this type of automatic recognition with the crop function in ContentCreator. Crops from web-

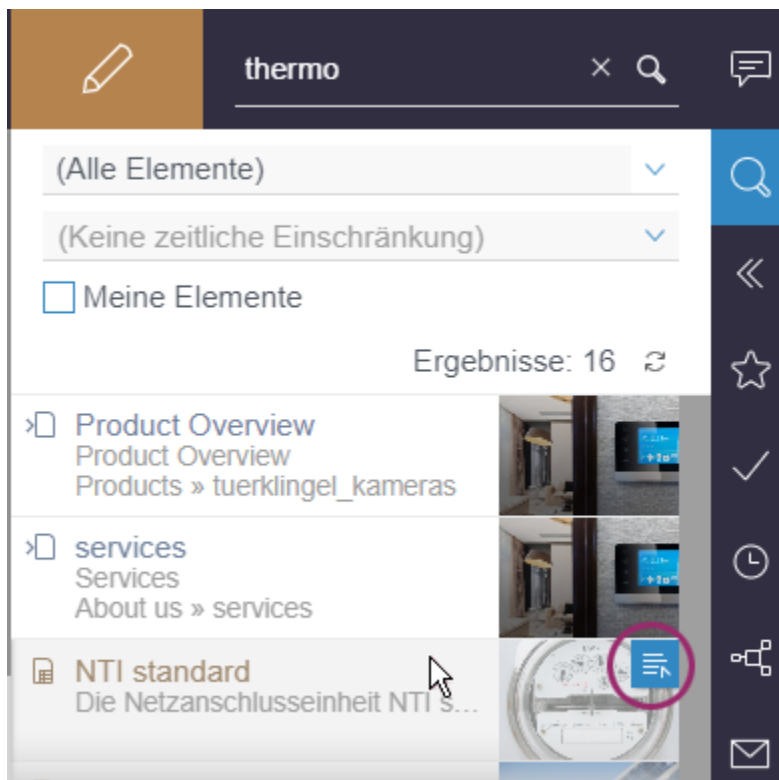


based image recognition could then be generated directly via upload to FirstSpirit. Ideally, no further action would then be required by the editor.

2.2 Editing datasets from the search report

Datasets can now also be edited in ContentCreator from the “search” report. This makes more direct editing of datasets possible, specifically for datasets which cannot be accessed via the navigation (“content projection”).

The following icon is available for this purpose:



Dataset in a search report

Changes to a dataset are only reflected in the search report display once the report has been updated.



2.3 Media Management: Editing media from other projects (“remote”)

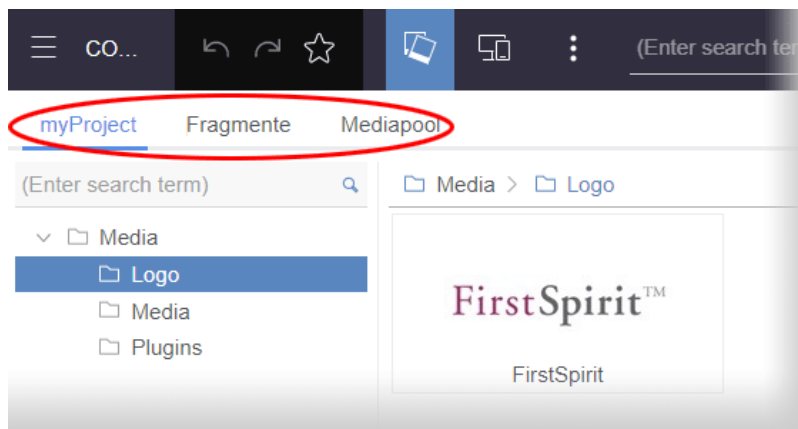
FirstSpirit enables a project to access other projects (known as “remote projects”) located on the same FirstSpirit server. This enables objects (e.g., media) that are managed in a central project to be used by different projects (also known as “target projects”), for example. Physically, the objects remain in the remote project; they are simply referenced in the target projects.

Benefits:

- No additional memory requirement for media used in multiple projects.
- Simplified updating and managing since all media are located in a centralized media project.
- Shortened generation time for participating target projects.

With the **latest release**, media from other projects (“remote” projects) can be edited in the Media Management in ContentCreator if the project has been configured accordingly.

The available projects are displayed horizontally above the Media Store:



Media Store with remote projects

Click to select the required project. The currently selected project is displayed in blue and underlined.

The media and folders shown from other projects can be edited in the same way as those in the current (“local”) project.

Exceptions:



- Bookmarks cannot be set to elements from remote projects.
- Workflows for remote media projects are currently not yet supported.
- Elements can be moved within a project but not to other projects.

In the context of this feature, minor changes have been made to the **design and other features** of the Media Management:

- The presentation of the elements was revised. Among other things, further display modes are now available.



- There are now handles for moving folders.

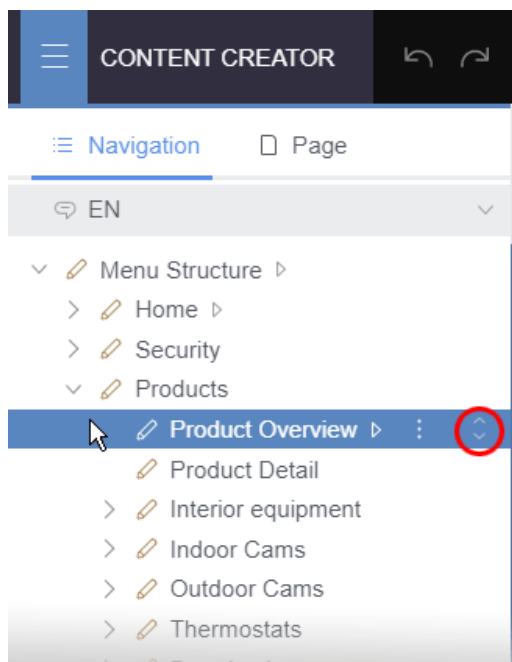


Note: The usage of remote projects requires a valid license.

2.4 Navigation view: Handle for moving elements

To stop elements from being moved inadvertently, a handle icon is now being used to move elements in the navigation tree. The handle icon appears whenever the mouse pointer is hovered over a corresponding element:





Handle to move a page

The element selected with the handle can be moved in the usual way with the mouse button held down and then added to the required position in the structure by releasing the mouse button. These icons make it possible to see exactly which element is being moved (including during the move operation itself).

This applies for all elements that can currently be moved on the “Navigation” and “Page” tabs, i.e., for pages, menu levels, and sections.

3 FirstSpirit Content Experience Tools (CXT)

3.1 "SameSite" attribute with HTTP/S connections

As of FirstSpirit 2020-08, the `cxt.platform.csrf-samesite` parameter has been available for configuring the `SameSite` attribute of cookies for the MicroApp Framework. Previously, the default value was `Unset`, which meant the attribute for the cross-site cookie was **not** set by default.

To facilitate communication between MicroApp API and FragmentCreator when they are located on different domains (for integrating customer-specific MicroApps, for example), the value `None` had to be set explicitly (`cxt.platform.csrf-samesite=None`).

However, this configuration (`SameSite=None`) requires an HTTPS connection; HTTP is not permitted.



In the latest release, therefore, the corresponding cookie (*XSRF*) and `SameSite=None` are set when **HTTPS connections** are used. As such, there is no longer any need to manually configure the `cxt.platform.csrf-samesite` parameter when HTTPS is used.

When **HTTP** is used, the cookie is not set and CSRF protection is completely deactivated.



It is not recommended to have a live operation without HTTPS. Unencrypted HTTP is only intended for development or test systems.

3.2 Latest module versions

FirstSpirit 2020-11 supports the following module versions for “FirstSpirit Content Experience Tools”:

Module / file name	Version number
FirstSpirit CXT DAP Bridge	1.34
<code>dataservice-[version].fsm</code>	
FirstSpirit CXT FragmentCreator	2.12
<code>fragment-creator-[version].fsm</code>	
FirstSpirit Fragment DAP	1.28
<code>fragmentdap-[version].fsm</code>	
FirstSpirit Media DAP	1.25*
<code>mediadap-[version].fsm</code>	
FirstSpirit PageRef DAP	1.3
<code>pagerefdap-[version].fsm</code>	
FirstSpirit Markdown Editor	1.23*
<code>markdown-editor-[version].fsm</code>	
FirstSpirit Tagging Editor	1.23
<code>tagging-editor-[version].fsm</code>	
FirstSpirit CXT FragmentCreator - CaaS Integration	1.25
<code>caas-integration-[version].fsm</code>	

* These modules require FirstSpirit 2020-03 or higher from this version.



3.3 PageRef DAP: Supports URL output and can be used in the markdown editor

You can reference pages via the “PageRef Access Plugin” (PageRef DAP, module file name: `pagerefdap-[version].fsm`).

The references to pages selected by the user can be output as HTML links.

As of the current release, the `UrlSupporting` aspect (package `de.espirit.firstspirit.client.plugin.dataaccess.aspects`, FirstSpirit Developer API) is now also supported by the PageRef DAP.

This can be used to determine a URL string for an object that comes from the PageRef DAP. An `UrlGenerationContext` is passed for this. Among other things, this provides access to the URL creator (provider) to be used, the language and the processing status of the object (released or not released).

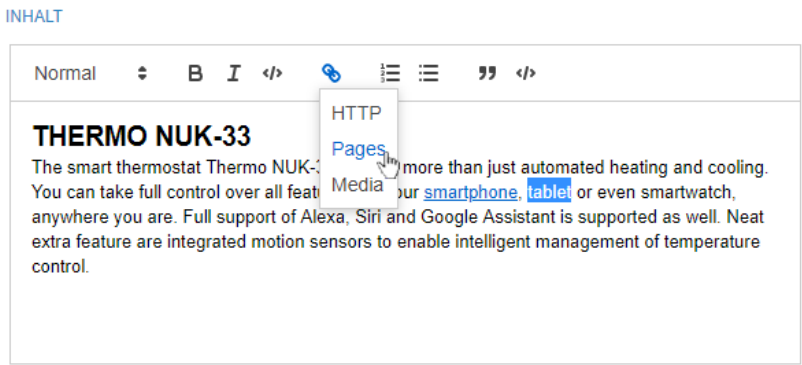
This can be used in the Markdown Editor “Quill”, for example, to reference text with pages (for example from another FirstSpirit project) using the icon



Code example:



```
<FS_MARKDOWN name="text" useLanguages="no">
  <DATA LINKSOURCES>
    <DATA LINKSOURCE name="Pages"
      plugin="FirstSpiritPageRefAccess/PageRefConnector">
      <PROJECT remote="pageref"/>
    </DATA LINKSOURCE>
    <DATA LINKSOURCE name="Media"
      plugin="FirstSpiritMediaAccess/Connector">
    <LANGINFOS>
      <LANGINFO lang="*" label="Media"/>
    </LANGINFOS>
    </DATA LINKSOURCE>
  </DATA LINKSOURCES>
  <LANGINFOS>
    <LANGINFO lang="*" label="Content"/>
    <LANGINFO lang="DE" label="Inhalt"/>
  </LANGINFOS>
</FS_MARKDOWN>
```



Referencing text in Markdown with a page

Output / JSON

Attribute url:

The url attribute is now also returned during JSON generation of the corresponding FS_INDEX input component when using a PageRef DAP.

It contains the resolved URL of the page selected by the user.

Attribute dataLinks: The link / reference is mapped using a special internally used link scheme:

```
dap://{linkSource}/{objectId}
```



- `dap:///`: URI schema/protocol
- `{linkSource}`: identifier of the DAP configuration in the Markdown component (attribute name within the `DATALINKSOURCE` tag)
- `{objectId}`: identifier of the DAP object selected by the editor

The values given here in curly brackets are URL-encoded. Resolved an example could look like this:

```
dap:///pageref/%7B%22uid%22%3A%22produkte_7%22%2C%22type%22%3A%22SITESTORE_LEAF%22%2C%22remote%22%3A%22pageref%22%7D
```

In addition, an error was fixed in this context that caused references from remote projects to be displayed incorrectly in the reference graph, for example.

Further information

- [Markdown-Editor](#) module
- Configuration of the input component [FS_MARKDOWN](#)
- General information about [JSON output](#)

4 SiteArchitect / ServerManager

4.1 "FirstSpirit Launcher JRE" module: update to Java versions

The Java versions included in the "FirstSpirit Launcher JRE" module were updated in the latest FirstSpirit release:

In addition to the version supplied with the FirstSpirit Launcher, AdoptOpenJDK 11.0.8+10 (default), the following Java variant is currently available:

- AdoptOpenJDK 15+36 (new)

AdoptOpenJDK 14.0.2+12 was removed from the "FirstSpirit Launcher JRE" module.

For documentation on the "FirstSpirit Launcher JRE" module, see the corresponding [manual](#).



5 System

5.1 Updates to integrated third-party software

The following internal software has been updated in the latest FirstSpirit release:

ASM (library for analyzing and modifying Java byte code)

Updated from **version 8.0.1** to **version 9.0**.

5.2 Reminder: Changeover to the new control files for Windows and Linux

With FirstSpirit 2020-08, the new improved control files for Windows and Linux operating systems have been released. The use of these files is therefore recommended with immediate effect in live environments.

As already announced in the Release Notes for FirstSpirit 2020-08, the old control files are being removed. Support is scheduled to cease with FirstSpirit 2021-02 (see “Deprecations”). Calls of these control files and any features in your application, which depend on them, may no longer work after an upgrade to FirstSpirit 2021-02.

e-Spirit recommends the following process:

- All new installations should be carried out exclusively with the new control files.
- All existing installations that still use the old control files should be updated to the new control files by January 2021.

Providing and preconditions for the use of the new control files: Java and the Java Service Wrapper are required to operate a FirstSpirit Server. The Java Service Wrapper and corresponding control files are provided by e-Spirit via:

- the installation archive (for new installations) or
- the update archive (for existing installations)



Both archives are available for download (please contact [Technical Support](#) for login details).

Control files in the installation or update archive:

- New: fs-server (for Linux)
- New: fs-server.bat (for Windows)
- Old: fs5 (for Linux) (will be dropped soon)
- Old: fs5.cmd (for Windows) (will be dropped soon)

To use the new control files, the Tanuki Java Service Wrapper must be updated to version 3.5.42. This version of the wrapper is included in the latest installation and update archive.

For a new installation please follow the instructions [Installation via installation archive](#).

To update an existing installation, please follow the instructions [Update the FirstSpirit backend](#).

The FirstSpirit server can then be started using the new control files `fs-server` (for Linux) or `fs-server.bat` (for Windows).

For further information on the scope of functions and control, see:

- [Controlling the FirstSpirit Server \(Linux\)](#)
- [Controlling the FirstSpirit Server \(Windows\)](#)

6 Deprecations

For e-Spirit, an important goal in software development is to avoid introducing incompatibilities and migration expenditures related to updating from one FirstSpirit release to the next as much as possible or to compensate for these within the software. FirstSpirit updates should generally be deployable with little effort or able to be carried out in a fully automated fashion.

However - not least in order to ensure maintainability and to future-proof the software - e-Spirit cannot fully avoid replacing existing functionality with new mechanisms. In the future, functionality that will be



removed from the software will be listed in this section, including the date at which time the functionality will be removed.

Functionality	Deprecated as of	Will be removed/ Was removed as of
Input component CMS_INPUT_CONTENTAREALIST	5.2R3	
Input component CMS_INPUT_CONTENTLIST	5.2R3	
Input component CMS_INPUT_FILE	5.2R3	
Input component CMS_INPUT_LINKLIST	5.2R3	
Input component CMS_INPUT_OBJECTCHOOSE	5.2R3	
Input component CMS_INPUT_PAGEREF	5.2R3	
Input component CMS_INPUT_PICTURE	5.2R3	
Input component CMS_INPUT_TABLIST	5.2R3	
FirstSpirit Developer API: de.espirit.firstspirit.agency.GroupsAgent	5.2R15	
FirstSpirit Access API: delete (de.espirit.firstspirit.access.AccessUtil)	5.2R18	
FirstSpirit Access API: release (de.espirit.firstspirit.access.AccessUtil)	2018-06	
FirstSpirit Developer API: getLastLoginAsDate (de.espirit.firstspirit.agency.UserStatisticsAgent)	2018-07	
FirstSpirit Developer API: remainingDurationOfCurrentStageInMillis (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Developer API: getStartingTimeOfStageAsDate (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Access API: getSelectedWebserverConfiguration (de.espirit.firstspirit.access.serverConfiguration)	2018-10	



Functionality	Deprecated as of	Will be removed/ Was removed as of
FirstSpirit Access API: setSelectedWebserverConfiguration (de.espirit.firstspirit.access.serverConfiguration)	2018-10	
FirstSpirit Access API: getSelectedWebServer (de.espirit.firstspirit.access.project.Project)	2018-10	
FirstSpirit Access API: setSelectedWebServer (de.espirit.firstspirit.access.project.Project)	2018-10	
FirstSpirit Developer API: getLostAndFoundStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Developer API: getDeletedStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Access API: de.espirit.firstspirit.access.store.Previewable	2019-01	
WebSphere Application Server support for FirstSpirit	2019-05	
Legacy mode for the FirstSpirit server and module development	2019-06	
Control files for Windows and Linux operating systems (old)	2020-08	February 2021

7 Overview

ID	Description	Categories
CORE-10330	Identification of problems preventing releases has been improved.	Dynamic Forms, SiteArchitect
CORE-11730	An error which could lead to an <code>OutOfMemoryException</code> when uploading large files has been fixed.	Editor, SiteArchitect



ID	Description	Categories
CORE-12502	<p>For optimum memory management when using a PostgreSQL database, from FirstSpirit release 2020-11, the driver has been assigned a <code>defaultRowFetchSize</code> of 5000. This default value can be modified if required in the database configuration (in the <code>ServerManager</code> under “Server Properties” - “Databases”) by editing the <code>jdbc.property.defaultRowFetchSize</code> parameter.</p> <p>The <code>jdbc.property.defaultRowFetchSize</code> parameter defines the number of rows that are supplied by the database in a single trip. High values perform better with large database queries but need more memory in the Java VM; they can lead to memory problems and even result in <code>OutOfMemory</code> exceptions.</p> <p>For more information, see: https://jdbc.postgresql.org/documentation/head/connect.html</p>	Database, FirstSpirit Administrator, Performance
CORE-12628	<p>Internal software has been updated in the latest FirstSpirit release.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>	FirstSpirit Administrator, Integrated software
CORE-12799	<p>The Java versions included in the “FirstSpirit Launcher JRE” module were updated in the latest FirstSpirit release.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: “FirstSpirit Launcher JRE” module: update to Java versions”.</p>	Java, Launcher
CORE-12876	<p>An error has been fixed which could lead to problems under certain conditions when using FirstSpirit schemes with some database drivers.</p>	Content Store, Database, FirstSpirit Administrator
CORE-12905	<p>The handling of API-incompatible service implementations has been corrected, which in rare cases could result in the FirstSpirit server not starting correctly.</p>	FirstSpirit API, FirstSpirit Administrator, Module development



ID	Description	Categories
CORE-12947	<p>With FirstSpirit 2020-08, the new improved control files for Windows and Linux operating systems have been released. The use of these files is therefore recommended with immediate effect in live environments. As already announced in the Release Notes for FirstSpirit 2020-08, the support for the old control files is scheduled to cease in the future. e-Spirit recommends a timely switch to the new control files to avoid potential problems in future FirstSpirit versions.</p> <p>Further information can be found in chapter “System: Reminder: Changeover to the new control files for Windows and Linux”.</p>	Server Administrator
CORE-12978	<p>Support OpenJDK 15: As of FirstSpirit 2020-11, OpenJDK 15 (non-LTS; release date 2020/09) is officially approved for use with FirstSpirit (i.e., the FirstSpirit Server and the FirstSpirit desktop applications). With support for OpenJDK 15, support for OpenJDK 14 (non-LTS; release date was 2020/03) expires.</p> <p>Further information can be found in chapter “General: Java: Support for OpenJDK 15”.</p>	Developer, FirstSpirit Administrator, Java, Server Administrator
CXT-1379	<p>When using FirstSpirit Omnichannel Manager (OCM) the preview element and its language are now also available on the server side via <code>webeditUiAgent</code> zur Verfügung. Both can now be retrieved using <code>webeditUiAgent.getPreviewElement()</code> and <code>webeditUiAgent.getPreviewLanguage()</code>.</p> <p>In addition, the report “Visited lately” is now correctly updated according to the visited elements.</p>	ContentCreator, Developer, FirstSpirit API, Languages
CXT-1510	<p>PageRefDAP now also supports <code>UrlSupporting</code> (package <code>de.espirit.firstspirit.client.plugin.dataaccess.as</code> FirstSpirit Developer API) and can therefore be used to link text in the Markdown Editor, among other things.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP: Supports URL output and can be used in the markdown editor”.</p>	Developer, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Module development



ID	Description	Categories
CXT-1660	<p>Datasets can now also be edited in ContentCreator from the search report.</p> <p>Further information can be found in chapter “ContentCreator: Editing datasets from the search report”.</p>	Content Store, ContentCreator, Database, Editor, Reports
CXT-1692	<p>Handle for moving elements in the navigation view</p> <p>Further information can be found in chapter “ContentCreator: Navigation view: Handle for moving elements”.</p>	ContentCreator, Editor
CXT-1697	<p>In the new ContentCreator it is now again possible to call up an external PHP preview.</p>	ContentCreator, Developer, Editor, FirstSpirit Administrator, Preview
CXT-1743	<p>If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.</p>	Developer, Editor, FirstSpirit Content Experience Tools (CXT), FirstSpirit Content as a Service (CaaS), FragmentCreator, Release
CXT-1790 CXT-1940	<p>Editing media from other projects (“remote”)</p> <p>Further information can be found in chapter “ContentCreator: Media Management: Editing media from other projects (“remote”)”.</p>	ContentCreator, Editor, Media, Media Store, Remote access
CXT-1796	<p>In the latest release, the corresponding cookie (<i>XSRF</i>) and <i>SameSite=None</i> are now set by default when HTTPS connections are used.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute with HTTP/S connections”.</p>	FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Security
CXT-1899	<p>Official release of “Smart Cropping”</p> <p>Further information can be found in chapter “ContentCreator: “Smart Cropping”: Official release”.</p>	ContentCreator, Editor, Media, Media Store



ID	Description	Categories
CXT-1911	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.	Developer, FirstSpirit API, FirstSpirit Content Experience Tools (CXT), Modules
CXT-1917	Change information relating to changes made via the new navigation/tree view in ContentCreator are now also forwarded to the front end via the FirstSpirit Omnichannel Manager (OCM).	ContentCreator, Developer, Editor, FirstSpirit Omnichannel Manager

8 Categories

8.1 ContentCreator

ID	Description
CXT-1379	When using FirstSpirit Omnichannel Manager (OCM) the preview element and its language are now also available on the server side via <code>WebeditUiAgent</code> zur Verfügung. Both can now be retrieved using <code>webeditUiAgent.getPreviewElement()</code> and <code>webeditUiAgent.getPreviewLanguage()</code> . In addition, the report “Visited lately” is now correctly updated according to the visited elements.
CXT-1660	Datasets can now also be edited in ContentCreator from the search report. Further information can be found in chapter “ContentCreator: Editing datasets from the search report”.
CXT-1692	Handle for moving elements in the navigation view Further information can be found in chapter “ContentCreator: Navigation view: Handle for moving elements”.
CXT-1697	In the new ContentCreator it is now again possible to call up an external PHP preview.
CXT-1790 CXT-1940	Editing media from other projects (“remote”) Further information can be found in chapter “ContentCreator: Media Management: Editing media from other projects (“remote”)”.
CXT-1899	Official release of “Smart Cropping”



ID	Description
	Further information can be found in chapter “ContentCreator: “Smart Cropping”: Official release”.
CXT-1917	Change information relating to changes made via the new navigation/tree view in ContentCreator are now also forwarded to the front end via the FirstSpirit Omnichannel Manager (OCM).

8.2 Database

ID	Description
CORE-12502	<p>For optimum memory management when using a PostgreSQL database, from FirstSpirit release 2020-11, the driver has been assigned a <code>defaultRowFetchSize</code> of 5000. This default value can be modified if required in the database configuration (in the ServerManager under “Server Properties” - “Databases”) by editing the <code>jdbc.property.defaultRowFetchSize</code> parameter.</p> <p>The <code>jdbc.property.defaultRowFetchSize</code> parameter defines the number of rows that are supplied by the database in a single trip. High values perform better with large database queries but need more memory in the Java VM; they can lead to memory problems and even result in <code>OutOfMemory</code> exceptions.</p> <p>For more information, see: https://jdbc.postgresql.org/documentation/head/connect.html</p>
CORE-12876	An error has been fixed which could lead to problems under certain conditions when using FirstSpirit schemes with some database drivers.
CXT-1660	<p>Datasets can now also be edited in ContentCreator from the search report.</p> <p>Further information can be found in chapter “ContentCreator: Editing datasets from the search report”.</p>

8.3 Content Store

ID	Description
CORE-12876	An error has been fixed which could lead to problems under certain conditions when using FirstSpirit schemes with some database drivers.



ID	Description
CXT-1660	<p>Datasets can now also be edited in ContentCreator from the search report.</p> <p>Further information can be found in chapter “ContentCreator: Editing datasets from the search report”.</p>

8.4 Dynamic Forms

ID	Description
CORE-10330	Identification of problems preventing releases has been improved.

8.5 Developer

ID	Description
CORE-12978	<p>Support OpenJDK 15: As of FirstSpirit 2020-11, OpenJDK 15 (non-LTS; release date 2020/09) is officially approved for use with FirstSpirit (i.e., the FirstSpirit Server and the FirstSpirit desktop applications). With support for OpenJDK 15, support for OpenJDK 14 (non-LTS; release date was 2020/03) expires.</p> <p>Further information can be found in chapter “General: Java: Support for OpenJDK 15”.</p>
CXT-1379	<p>When using FirstSpirit Omnichannel Manager (OCM) the preview element and its language are now also available on the server side via <code>WebeditUiAgent</code> zur Verfügung. Both can now be retrieved using <code>webeditUiAgent.getPreviewElement()</code> and <code>webeditUiAgent.getPreviewLanguage()</code>.</p> <p>In addition, the report “Visited lately” is now correctly updated according to the visited elements.</p>
CXT-1510	<p><code>PageRefDAP</code> now also supports <code>UrlSupporting</code> (package <code>de.espirit.firstspirit.client.plugin.dataaccess.aspects</code>, FirstSpirit Developer API) and can therefore be used to link text in the Markdown Editor, among other things.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP: Supports URL output and can be used in the markdown editor”.</p>
CXT-1697	In the new ContentCreator it is now again possible to call up an external PHP preview.



ID	Description
CXT-1743	If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.
CXT-1911	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.
CXT-1917	Change information relating to changes made via the new navigation/tree view in ContentCreator are now also forwarded to the front end via the FirstSpirit Omnichannel Manager (OCM).

8.6 FirstSpirit Content as a Service (CaaS)

ID	Description
CXT-1743	If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.

8.7 FirstSpirit Content Experience Tools (CXT)

ID	Description
CXT-1510	PageRefDAP now also supports <code>UrlSupporting</code> (package <code>de.espirit.firstspirit.client.plugin.dataaccess.aspects</code> , FirstSpirit Developer API) and can therefore be used to link text in the Markdown Editor, among other things. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP: Supports URL output and can be used in the markdown editor”.
CXT-1743	If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.



ID	Description
CXT-1796	<p>In the latest release, the corresponding cookie (<i>XSRF</i>) and <code>SameSite=None</code> are now set by default when HTTPS connections are used.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute with HTTP/S connections”.</p>
CXT-1911	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>

8.8 FirstSpirit Omnichannel Manager

ID	Description
CXT-1917	<p>Change information relating to changes made via the new navigation/tree view in ContentCreator are now also forwarded to the front end via the FirstSpirit Omnichannel Manager (OCM).</p>

8.9 FirstSpirit Administrator

ID	Description
CORE-12502	<p>For optimum memory management when using a PostgreSQL database, from FirstSpirit release 2020-11, the driver has been assigned a <code>defaultRowFetchSize</code> of 5000. This default value can be modified if required in the database configuration (in the ServerManager under “Server Properties” - “Databases”) by editing the <code>jdbc.property.defaultRowFetchSize</code> parameter.</p> <p>The <code>jdbc.property.defaultRowFetchSize</code> parameter defines the number of rows that are supplied by the database in a single trip. High values perform better with large database queries but need more memory in the Java VM; they can lead to memory problems and even result in <code>OutOfMemory</code> exceptions.</p> <p>For more information, see: https://jdbc.postgresql.org/documentation/head/connect.html</p>
CORE-12628	<p>Internal software has been updated in the latest FirstSpirit release.</p>



ID	Description
	Further information can be found in chapter “System: Updates to integrated third-party software”.
CORE-12876	An error has been fixed which could lead to problems under certain conditions when using FirstSpirit schemes with some database drivers.
CORE-12905	The handling of API-incompatible service implementations has been corrected, which in rare cases could result in the FirstSpirit server not starting correctly.
CORE-12978	<p>Support OpenJDK 15: As of FirstSpirit 2020-11, OpenJDK 15 (non-LTS; release date 2020/09) is officially approved for use with FirstSpirit (i.e., the FirstSpirit Server and the FirstSpirit desktop applications). With support for OpenJDK 15, support for OpenJDK 14 (non-LTS; release date was 2020/03) expires.</p> <p>Further information can be found in chapter “General: Java: Support for OpenJDK 15”.</p>
CXT-1697	In the new ContentCreator it is now again possible to call up an external PHP preview.
CXT-1796	<p>In the latest release, the corresponding cookie (<i>XSRF</i>) and <code>SameSite=None</code> are now set by default when HTTPS connections are used.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute with HTTP/S connections”.</p>

8.10 FirstSpirit API

ID	Description
CORE-12905	The handling of API-incompatible service implementations has been corrected, which in rare cases could result in the FirstSpirit server not starting correctly.
CXT-1379	<p>When using FirstSpirit Omnichannel Manager (OCM) the preview element and its language are now also available on the server side via <code>WebeditUiAgent</code> zur Verfügung. Both can now be retrieved using <code>webeditUiAgent.getPreviewElement()</code> and <code>webeditUiAgent.getPreviewLanguage()</code>.</p> <p>In addition, the report “Visited lately” is now correctly updated according to the visited elements.</p>
CXT-1911	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>



8.11 FragmentCreator

ID	Description
CXT-1510	<p>PageRefDAP now also supports <code>UrlSupporting</code> (package <code>de.espirit.firstspirit.client.plugin.dataaccess.aspects</code>, FirstSpirit Developer API) and can therefore be used to link text in the Markdown Editor, among other things.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP: Supports URL output and can be used in the markdown editor”.</p>
CXT-1743	<p>If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.</p>
CXT-1796	<p>In the latest release, the corresponding cookie (<code>XSRF</code>) and <code>SameSite=None</code> are now set by default when HTTPS connections are used.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute with HTTP/S connections”.</p>

8.12 Release

ID	Description
CXT-1743	<p>If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.</p>

8.13 Integrated software

ID	Description
CORE-12628	<p>Internal software has been updated in the latest FirstSpirit release.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>



8.14 Java

ID	Description
CORE-12799	<p>The Java versions included in the “FirstSpirit Launcher JRE” module were updated in the latest FirstSpirit release.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: “FirstSpirit Launcher JRE” module: update to Java versions”.</p>
CORE-12978	<p>Support OpenJDK 15: As of FirstSpirit 2020-11, OpenJDK 15 (non-LTS; release date 2020/09) is officially approved for use with FirstSpirit (i.e., the FirstSpirit Server and the FirstSpirit desktop applications). With support for OpenJDK 15, support for OpenJDK 14 (non-LTS; release date was 2020/03) expires.</p> <p>Further information can be found in chapter “General: Java: Support for OpenJDK 15”.</p>

8.15 Launcher

ID	Description
CORE-12799	<p>The Java versions included in the “FirstSpirit Launcher JRE” module were updated in the latest FirstSpirit release.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: “FirstSpirit Launcher JRE” module: update to Java versions”.</p>

8.16 Media

ID	Description
CXT-1790	Editing media from other projects (“remote”)
CXT-1940	Further information can be found in chapter “ContentCreator: Media Management: Editing media from other projects (“remote”)”.
CXT-1899	Official release of “Smart Cropping”



ID	Description
	Further information can be found in chapter “ContentCreator: “Smart Cropping”: Official release”.

8.17 Media Store

ID	Description
CXT-1790	Editing media from other projects (“remote”)
CXT-1940	Further information can be found in chapter “ContentCreator: Media Management: Editing media from other projects (“remote”)”.
CXT-1899	Official release of “Smart Cropping”
	Further information can be found in chapter “ContentCreator: “Smart Cropping”: Official release”.

8.18 Module development

ID	Description
CORE-12905	The handling of API-incompatible service implementations has been corrected, which in rare cases could result in the FirstSpirit server not starting correctly.
CXT-1510	PageRefDAP now also supports <code>UrlSupporting</code> (package <code>de.espirit.firstspirit.client.plugin.dataaccess.aspects</code> , FirstSpirit Developer API) and can therefore be used to link text in the Markdown Editor, among other things.
	Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP: Supports URL output and can be used in the markdown editor”.



8.19 Modules

ID	Description
CXT-1911	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>

8.20 Performance

ID	Description
CORE-12502	<p>For optimum memory management when using a PostgreSQL database, from FirstSpirit release 2020-11, the driver has been assigned a <code>defaultRowFetchSize</code> of 5000. This default value can be modified if required in the database configuration (in the ServerManager under “Server Properties” - “Databases”) by editing the <code>jdbc.property.defaultRowFetchSize</code> parameter.</p> <p>The <code>jdbc.property.defaultRowFetchSize</code> parameter defines the number of rows that are supplied by the database in a single trip. High values perform better with large database queries but need more memory in the Java VM; they can lead to memory problems and even result in <code>OutOfMemory</code> exceptions.</p> <p>For more information, see: https://jdbc.postgresql.org/documentation/head/connect.html</p>

8.21 Editor

ID	Description
CORE-11730	An error which could lead to an <code>OutOfMemoryException</code> when uploading large files has been fixed.
CXT-1660	<p>Datasets can now also be edited in ContentCreator from the search report.</p> <p>Further information can be found in chapter “ContentCreator: Editing datasets from the search report”.</p>
CXT-1692	Handle for moving elements in the navigation view



ID	Description
	Further information can be found in chapter “ContentCreator: Navigation view: Handle for moving elements”.
CXT-1697	In the new ContentCreator it is now again possible to call up an external PHP preview.
CXT-1743	If a variant had never been released before, when this variant was released, all variants of the fragment in question were incorrectly transferred to Live CaaS instances instead of just Preview CaaS instances.
CXT-1790 CXT-1940	Editing media from other projects (“remote”) <p>Further information can be found in chapter “ContentCreator: Media Management: Editing media from other projects (“remote”)”.</p>
CXT-1899	Official release of “Smart Cropping” <p>Further information can be found in chapter “ContentCreator: “Smart Cropping”: Official release”.</p>
CXT-1917	Change information relating to changes made via the new navigation/tree view in ContentCreator are now also forwarded to the front end via the FirstSpirit Omnichannel Manager (OCM).

8.22 Remote access

ID	Description
CXT-1790 CXT-1940	Editing media from other projects (“remote”) <p>Further information can be found in chapter “ContentCreator: Media Management: Editing media from other projects (“remote”)”.</p>

8.23 Reports

ID	Description
CXT-1660	Datasets can now also be edited in ContentCreator from the search report.



ID	Description
	Further information can be found in chapter “ContentCreator: Editing datasets from the search report”.

8.24 Server Administrator

ID	Description
CORE-12947	<p>With FirstSpirit 2020-08, the new improved control files for Windows and Linux operating systems have been released. The use of these files is therefore recommended with immediate effect in live environments. As already announced in the Release Notes for FirstSpirit 2020-08, the support for the old control files is scheduled to cease in the future. e-Spirit recommends a timely switch to the new control files to avoid potential problems in future FirstSpirit versions.</p> <p>Further information can be found in chapter “System: Reminder: Changeover to the new control files for Windows and Linux”.</p>
CORE-12978	<p>Support OpenJDK 15: As of FirstSpirit 2020-11, OpenJDK 15 (non-LTS; release date 2020/09) is officially approved for use with FirstSpirit (i.e., the FirstSpirit Server and the FirstSpirit desktop applications). With support for OpenJDK 15, support for OpenJDK 14 (non-LTS; release date was 2020/03) expires.</p> <p>Further information can be found in chapter “General: Java: Support for OpenJDK 15”.</p>

8.25 Security

ID	Description
CXT-1796	<p>In the latest release, the corresponding cookie (<i>XSRF</i>) and <i>SameSite=None</i> are now set by default when HTTPS connections are used.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute with HTTP/S connections”.</p>



8.26 SiteArchitect

ID	Description
CORE-10330	Identification of problems preventing releases has been improved.
CORE-11730	An error which could lead to an <code>OutOfMemoryException</code> when uploading large files has been fixed.

8.27 Languages

ID	Description
CXT-1379	When using FirstSpirit Omnichannel Manager (OCM) the preview element and its language are now also available on the server side via <code>WebeditUiAgent</code> zur Verfügung. Both can now be retrieved using <code>webeditUiAgent.getPreviewElement()</code> and <code>webeditUiAgent.getPreviewLanguage()</code> . In addition, the report “Visited lately” is now correctly updated according to the visited elements.

8.28 Preview

ID	Description
CXT-1697	In the new ContentCreator it is now again possible to call up an external PHP preview.

