



FirstSpirit™

Unlock Your Content

Release Notes

FirstSpirit™ 2021-05

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Table of contents

- 1 Administration..... 6**
 - 1.1 Restriction of permissions to create internal groups..... 6
- 2 ContentCreator..... 6**
 - 2.1 "Edit" in InEdit mode..... 6
 - 2.2 Language selection for content..... 7
 - 2.3 Changing languages in forms with multiple tabs (CMS_GROUP)..... 11
- 3 FirstSpirit Content Experience Tools (CXT)..... 12**
 - 3.1 Latest module versions..... 12
 - 3.2 PageRef DAP and Media DAP: Configure JSON output..... 13
- 4 Compatibility..... 14**
 - 4.1 Modules and extensions for FirstSpirit 2021-05..... 14
- 5 Module Development, Scripts, API..... 14**
 - 5.1 API extension for responding to events..... 14
 - 5.2 Automatic logging when using "RenderingAgent.Renderer"..... 15
- 6 Security..... 15**
 - 6.1 Encryption of the connection to the SMTP server (TLS)..... 15
- 7 SiteArchitect..... 16**
 - 7.1 New "Copy GID" context menu function for datasets..... 16



8	System.....	16
8.1	Updates to integrated third-party software.....	16
9	Deprecations.....	17
10	Overview.....	19



11	Categories.....	22
11.1	ContentCreator.....	22
11.2	Input Components.....	23
11.3	Developer.....	23
11.4	FirstSpirit Content Experience Tools (CXT).....	25
11.5	FirstSpirit Jetty Web Server.....	25
11.6	FirstSpirit Omnichannel Manager.....	26
11.7	FirstSpirit Administrator.....	26
11.8	FirstSpirit API.....	27
11.9	FragmentCreator.....	28
11.10	Integrated software.....	28
11.11	Java.....	28
11.12	Support for JSON.....	29
11.13	Launcher.....	29
11.14	Media.....	29
11.15	Module development.....	30
11.16	Modules.....	30
11.17	Performance.....	31
11.18	Permissions.....	31
11.19	Editor.....	31
11.20	Server Administrator.....	32



11.21	ServerManager.....	32
11.22	Security.....	33
11.23	SiteArchitect.....	33
11.24	Sessions.....	33
11.25	Languages.....	33
11.26	Preview.....	34



1 Administration

1.1 Restriction of permissions to create internal groups

Project administrators are permitted to create, edit, and delete (internal) groups by default (e.g., via “FirstSpirit ServerManager” / “Project Properties” / “Groups”).

With the latest release, this permission can be deactivated by setting the

```
localGroupManagementDisabled
```

parameter in the `fs-server.conf` file accordingly.

To withdraw permission to create, edit, and delete groups from project administrators, the parameter must be set to `true`:

```
localGroupManagementDisabled=true
```

With this setting, only server administrators are permitted to modify groups.

The corresponding context menu under “Groups” is grayed out for project administrators and a `java.lang.SecurityException` is recorded in the log.

External groups are not affected by this restriction and can continue to be modified by project administrators even if the parameter is set to `true`.

2 ContentCreator

2.1 "Edit" in InEdit mode

Some input components support the InEdit functionality. This function enables modifications to content without having to open a form beforehand. A pencil symbol on the mouse pointer shows the editor whether the corresponding value can be edited via InEdit. The editor can start InEdit mode simply by clicking at the desired spot in the preview (using `Ctrl` + `CLICK`).

In the latest release, clicking on the “Edit” icon again opens the entire form.





This provides a convenient way of updating content from adjacent input components as well as content in other languages.

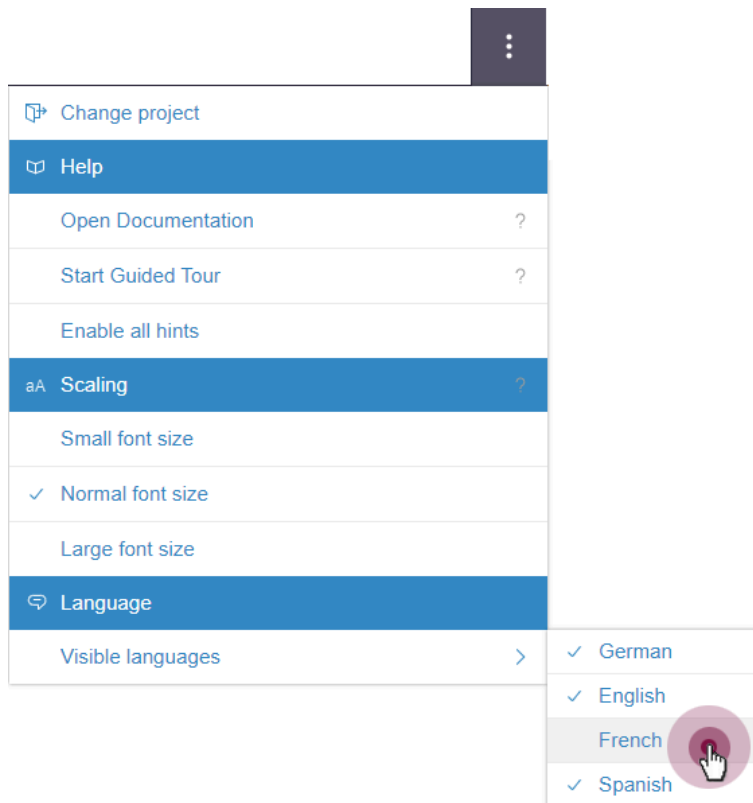
Previously, only the individual input components were displayed in the dialog that opened.

2.2 Language selection for content

Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content.

The configuration setting is made using the “Visible languages” menu item in the “three-point” menu:





Selecting content language(s)

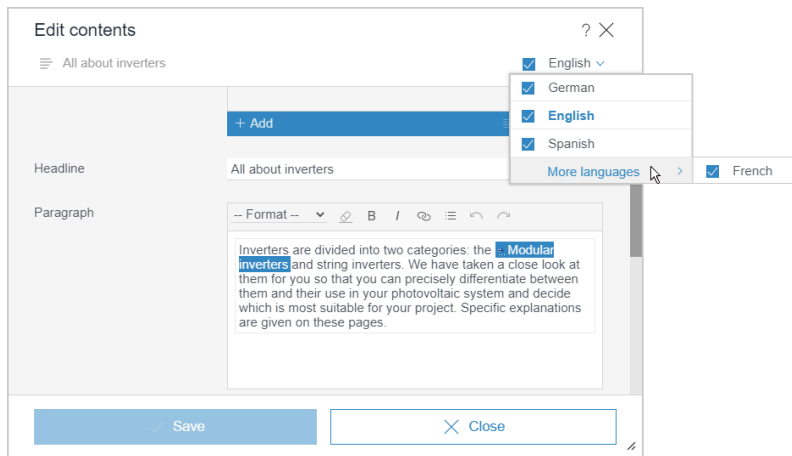
By default, content is displayed in all available project languages.

Languages that are less relevant for the user can be deactivated via the menu: Content in the activated language(s) can be selected directly via the menu and deactivated language(s) can be accessed via the “More languages” dropdown submenu.

The selection of visible project languages is applied in various places:

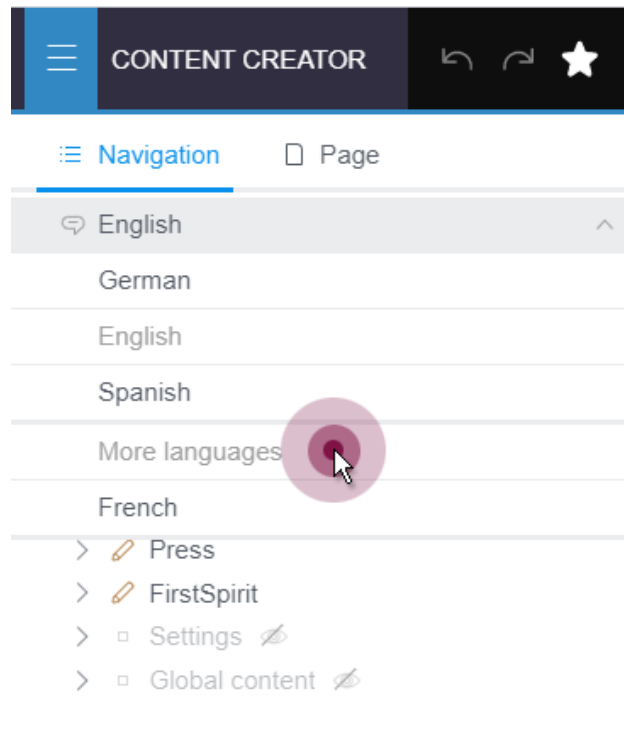


Forms



Language selection in forms

Navigation bar



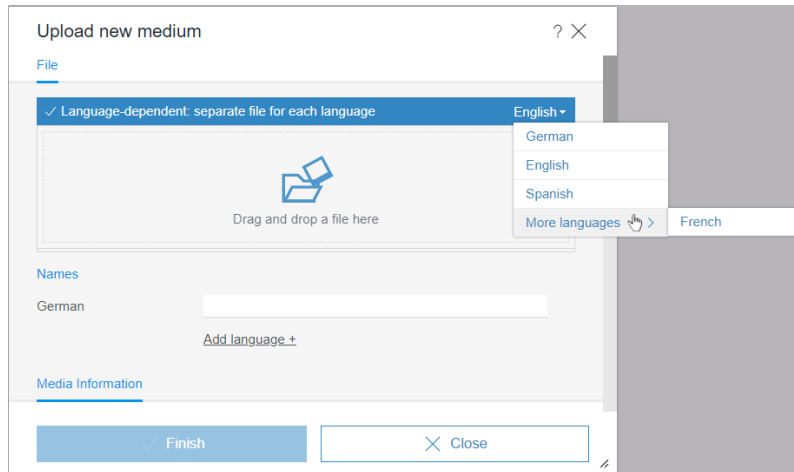
Language selection in the navigation bar



Creating, editing, and downloading (language-dependent) media

In the case of media, the language selection menu is displayed for the following functions if the “Language-dependent” box is checked:

- Upload new medium (menu bar):



Language selection when uploading language-dependent media

- Edit medium



The language selection menu is displayed for the following functions if the medium is language-dependent. Only those languages for which a language variant is available are listed for selection:

- Edit image section



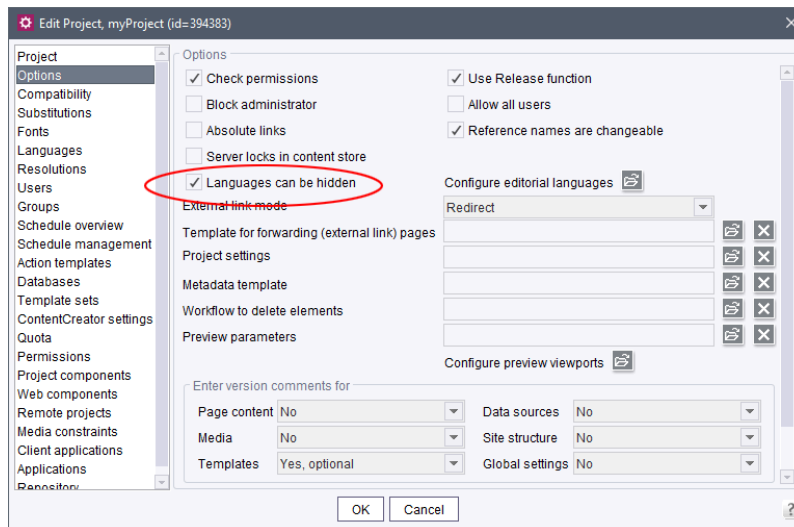
- Download medium



For more detailed information, see <https://docs.e-spirit.com/contentcreator/menu-functions/further-functio/index.html>.

The settings made via the “Visible languages” menu item are saved to the corresponding server for all projects associated with the relevant user.

The available configuration settings are determined by the “Languages can be hidden” setting in FirstSpirit ServerManager in the properties of the corresponding project (under “Options”):



Activating the configuration

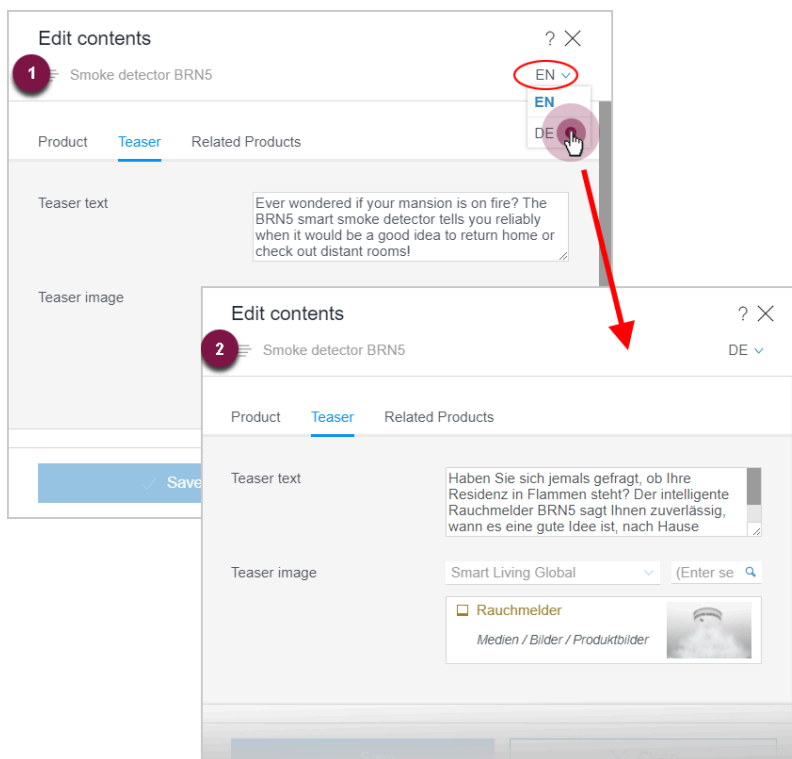
To display the “Language” menu item in ContentCreator and thus use the new functionality, this box must be checked.

Notice: The setting made here is also applied in FirstSpirit SiteArchitect.

2.3 Changing languages in forms with multiple tabs (CMS_GROUP)

In forms with multiple tabs (CMS_GROUP), only the selected tabs are synchronized when the language is changed:





Changing languages in forms with multiple tabs

3 FirstSpirit Content Experience Tools (CXT)

3.1 Latest module versions

FirstSpirit 2021-05 supports the following module versions for “FirstSpirit Content Experience Tools”:

Module / file name	Version number
FirstSpirit CXT DAP Bridge	1.41
dataservice-[version].fsm	
FirstSpirit CXT FragmentCreator	2.21
fragment-creator-[version].fsm	
FirstSpirit Fragment DAP	1.37
fragmentdap-[version].fsm	
FirstSpirit Media DAP	1.29*
mediadap-[version].fsm	
FirstSpirit PageRef DAP	1.7
pagerefdap-[version].fsm	



FirstSpirit Markdown Editor	1.27*
markdown-editor-[version].fsm	
FirstSpirit Tagging Editor	1.27
tagging-editor-[version].fsm	
FirstSpirit CXT FragmentCreator - CaaS Integration	1.28
caas-integration-[version].fsm	

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

3.2 PageRef DAP and Media DAP: Configure JSON output

In the FS_INDEX component, media can be referenced using the media data access plug-in (“Media DAP”) and page references can be referenced using the PageRef access plug-in (“PageRef DAP”).

With the latest release, the JSON information for the media or page references referenced in the FS_INDEX component can be included in the output. This can be activated via the new

```
jsonSupporting
```

attribute in the SOURCE tag of the FS_INDEX component by setting the value to yes.

Example:

```
...  
<SOURCE name="FirstSpiritMediaAccess/Connector" jsonSupporting="yes">  
  <PROJECT remote="remote"/>  
</SOURCE>  
...
```

This attribute is only available when using the “FirstSpiritMediaAccess/Connector” and “FirstSpiritPageRefAccess/PageRefConnector” DataAccessPlugin components.

By default, the JSON information for the referenced media or page references is not included in the output (corresponds to jsonSupporting="no").

For more information about JSON output of media, see also <https://docs.e-spirit.com/odfs/enhanced-json-s/json-ausgabe-me/index.html>.



4 Compatibility

4.1 Modules and extensions for FirstSpirit 2021-05

The following modules and extensions are compatible with FirstSpirit 2021-05:

Module name/File name	Version number	Compatibility
FirstSpirit Update Archive fs-update- [version].tar.gz	1.0.12	-
FirstSpirit Install Archiv fs-install- [version].tar.gz	1.0.12	-
FirstSpirit Launcher FSLauncher.exe	1.0.40	as of FirstSpirit 2018-08
FirstSpirit Launcher JRE module fs-launcher-jre- [version].fsm	1.18	as of FirstSpirit 2020-11
FirstSpirit SAML Login module fs-saml-login- [version].fsm	1.1	as of FirstSpirit 2019-02
FSDevTools fs-cli-[version].tar.gz fs-cli-[version].zip	2.6.9	as of FirstSpirit 2020-08
FirstSpirit Module Gradle Plugin firstspirit-module- gradle-plugin- [version].jar	1.0.3	as of FirstSpirit 2019-06

5 Module Development, Scripts, API

5.1 API extension for responding to events

The FirstSpirit Access API has been extended to include the following classes for responding to various events in the case of changes:



```
de.espirit.firstspirit.agency.IDProviderEventAgent;  
de.espirit.firstspirit.event.RevisionEvent;  
de.espirit.firstspirit.event.EventInfo;  
de.espirit.firstspirit.event.EntityInfo;  
de.espirit.firstspirit.event.DatasetChange;  
de.espirit.firstspirit.event.IDProviderChange;
```

5.2 Automatic logging when using "RenderingAgent.Renderer"

The

```
redirectTemplateLogToDefaultLog()
```

method in the `RenderingAgent.Renderer` interface (`de.espirit.firstspirit.agency` package, FirstSpirit Developer API) is now activated by default, so corresponding log data are output automatically in the standard log. This makes it easier to analyze problems.

In this context, the actual method has been marked as **deprecated** and may be omitted from a future release of FirstSpirit.

Therefore, it should be removed from scripts in which it is used.

6 Security

6.1 Encryption of the connection to the SMTP server (TLS)

The standard protocol when using an encrypted connection to the SMTP server has been changed to TLS 1.2.

If a different protocol is required, this can continue to be defined using the `javamail.mail.smtp.ssl.protocols` parameter in `fs-server.conf`.

In the event of problems with the recommended encryption, the following entry would be necessary to revert to the previous default value:

```
javamail.mail.smtp.ssl.protocols=TLSv1.0
```



Notice: The TLS protocols V1.0 and V1.1 are outdated and not secure. They should undergo a thorough assessment from the point of view of security prior to an activation.

7 SiteArchitect

7.1 New “Copy GID” context menu function for datasets

With the new release, it is possible to call up the “Copy GID” function via the context menu of a dataset. This function writes the GID of the current dataset to the buffer.

This function can only be called up for a dataset which has a GID. If the dataset is new and has not previously been saved, for example, this menu option will be deactivated.

8 System

8.1 Updates to integrated third-party software

As of the current release, the following internally used software has been updated:

- **Java** (JRE with which the FirstSpirit Launcher is operated)
The following new Java version is available:
 - New: Integrated in FirstSpirit (default): 11.0.11+9 64bit AdoptOpenJDK
 - New: In the FirstSpirit Launcher JRE module: 16.0.1+9 64bit AdoptOpenJDK
- **Java Mail Library** (for mail delivery)
Update from **Java Mail 1.4.4** to **Jakarta Mail 1.6.6**
- **Eclipse Jetty** (contained in the module `fs-jetty.fsm` / “FirstSpirit Jetty Service”)
Update from **version 9.4.33** to **version 9.4.39**

! As before, use of Eclipse Jetty for production purposes is not recommended!
For operation with FirstSpirit Content Experience Tools (CXT) Eclipse Jetty is **not** supported.



9 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	



Functionality	Deprecated as of	Will be removed/ Was removed as of
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	
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
database layer for Oracle Database 11g/12c	2020-12	June 2021



Functionality	Deprecated as of	Will be removed/ Was removed as of
FirstSpirit Developer API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	

10 Overview

ID	Description	Categories
CORE-10613	<p>The response when installing modules has been modified so that resource conflicts between other modules no longer generate a message that a problem has occurred during installation.</p> <p>If the conflicts affect the module currently being installed, a corresponding error will continue to be output during installation.</p> <p>If conflicts between other modules are found, a corresponding conflict will continue to be displayed in the <code>fs-server.log</code> file and in the detailed information in the installation results dialog for the module. The log level for these messages has been changed from <code>WARN</code> to <code>INFO</code>.</p>	FirstSpirit Administrator, Modules
CORE-11307	<p>The FirstSpirit Access API has been extended to include classes for responding to various events in the case of changes.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: API extension for responding to events”.</p>	Developer, FirstSpirit API
CORE-12975	<p>Update of internally used software.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>	Developer, FirstSpirit Administrator, FirstSpirit Jetty Web Server, Integrated software, Java, Launcher, Server Administrator
CORE-13139	<p>An error has been fixed which, in certain configurations, could lead to an endless loop in the browser during loading when using SingleSignOn (e.g., with SAML).</p>	Server Administrator



ID	Description	Categories
CORE-13141	<p>In the current release, permissions to create internal groups have been restricted to server administrators.</p> <p>Further information can be found in chapter “Administration: Restriction of permissions to create internal groups”.</p>	FirstSpirit Administrator, Permissions
CORE-13265	The stability of the system in scenarios with a high number of changes has been improved.	Performance
CORE-13299	<p>The new “Copy GID” function is available via the context menu of a dataset.</p> <p>Further information can be found in chapter “SiteArchitect: New “Copy GID” context menu function for datasets”.</p>	SiteArchitect
CORE-13484	<p>The standard protocol when using an encrypted connection to the SMTP server has been changed to TLS 1.2.</p> <p>Further information can be found in chapter “Security: Encryption of the connection to the SMTP server (TLS)”.</p>	FirstSpirit Administrator, Java, Security
CORE-13515	An error has been fixed which, in very rare cases, could cause an update to the launcher to fail as a result of user sessions expiring.	Launcher, Sessions
CORE-13528	<p>Automatic logging when using <code>RenderingContext.Renderer</code> and deprecation of the <code>redirectTemplateLogToDefaultLog()</code> method.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Automatic logging when using “RenderingContext.Renderer””.</p>	Developer, FirstSpirit API
CORE-13537	<p>The following modules and extensions are compatible with FirstSpirit 2021-05.</p> <p>Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-05”.</p>	Developer, FirstSpirit Administrator, Modules, Server Administrator
CORE-13538	An error has been fixed which could lead to information relating to resolutions being incomplete in the JSON output for remote images.	Developer, Media, Support for JSON



ID	Description	Categories
CORE-13546	The <code>url</code> attribute is now only included in the JSON output of the FS_REFERENCE input component if a valid URL can be generated. If this is not the case, the attribute is not output.	Input Components, Support for JSON
CXT-1681	<p>Optimization of form display when changing languages and using multiple tabs (CMS_GROUP).</p> <p>Further information can be found in chapter “ContentCreator: Changing languages in forms with multiple tabs (CMS_GROUP)”.</p>	ContentCreator, Editor, Languages
CXT-1769	<p>Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content.</p> <p>Further information can be found in chapter “ContentCreator: Language selection for content”.</p>	ContentCreator, Editor, FirstSpirit Administrator, Languages, ServerManager
CXT-1916	<p>Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.</p>	Developer, FirstSpirit API, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Media, Module development, Support for JSON
CXT-1968	<p>“Edit” in InEdit mode now supports editing forms.</p> <p>Further information can be found in chapter “ContentCreator: “Edit” in InEdit mode”.</p>	ContentCreator, Developer, Editor, FirstSpirit Omnichannel Manager, Input Components, Preview
CXT-2194	There have been problems starting modules involving the use of the <code>org.springframework:spring-context-indexer</code> dependency in ContentCreator.	ContentCreator, Developer, Module development
CXT-2212	Changes to content in FS_CATALOG components are now displayed correctly in ContentCreator (via “Display all changes”).	ContentCreator, Editor, Input Components



ID	Description	Categories
CXT-2269	The configured “Store Mapping” (project properties in FirstSpirit ServerManager under “ContentCreator settings”, FirstSpirit Developer API <code>de.espirit.firstspirit.store.WebeditStoreMappingPl</code> is now taken into account when moving menu items and/or pages in the navigation bar. For example, if “Synchronous site- and page-store” has been selected, the corresponding nodes are now also moved to the Page Store.	ContentCreator, Developer, Editor
CXT-2293	Automatically cutting images in ContentCreator generated multiple intermediate revisions depending on the resolutions concerned. In combination with CaaS Connect, the resulting change events were leading to unnecessary deployments of the media concerned.	ContentCreator, Developer, FirstSpirit Administrator, Media
CXT-2294	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.	Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Modules

11 Categories

11.1 ContentCreator

ID	Description
CXT-1681	Optimization of form display when changing languages and using multiple tabs (CMS_GROUP). Further information can be found in chapter “ContentCreator: Changing languages in forms with multiple tabs (CMS_GROUP)”.
CXT-1769	Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content. Further information can be found in chapter “ContentCreator: Language selection for content”.
CXT-1968	“Edit” in InEdit mode now supports editing forms.



ID	Description
	Further information can be found in chapter “ContentCreator: "Edit" in InEdit mode”.
CXT-2194	There have been problems starting modules involving the use of the <code>org.springframework:spring-context-indexer</code> dependency in ContentCreator.
CXT-2212	Changes to content in FS_CATALOG components are now displayed correctly in ContentCreator (via “Display all changes”).
CXT-2269	The configured “Store Mapping” (project properties in FirstSpirit ServerManager under “ContentCreator settings”, FirstSpirit Developer API <code>de.espirit.firstspirit.store.WebeditStoreMappingPlugin</code>) is now taken into account when moving menu items and/or pages in the navigation bar. For example, if “Synchronous site- and page-store” has been selected, the corresponding nodes are now also moved to the Page Store.
CXT-2293	Automatically cutting images in ContentCreator generated multiple intermediate revisions depending on the resolutions concerned. In combination with CaaS Connect, the resulting change events were leading to unnecessary deployments of the media concerned.

11.2 Input Components

ID	Description
CORE-13546	The <code>url</code> attribute is now only included in the JSON output of the FS_REFERENCE input component if a valid URL can be generated. If this is not the case, the attribute is not output.
CXT-1968	“Edit” in InEdit mode now supports editing forms. Further information can be found in chapter “ContentCreator: "Edit" in InEdit mode”.
CXT-2212	Changes to content in FS_CATALOG components are now displayed correctly in ContentCreator (via “Display all changes”).

11.3 Developer

ID	Description
CORE-11307	The FirstSpirit Access API has been extended to include classes for responding to various events in the case of changes.



ID	Description
	Further information can be found in chapter “Module Development, Scripts, API: API extension for responding to events”.
CORE-12975	<p>Update of internally used software.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>
CORE-13528	<p>Automatic logging when using <code>RenderingAgent.Renderer</code> and deprecation of the <code>redirectTemplateLogToDefaultLog()</code> method.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Automatic logging when using "RenderingAgent.Renderer"”.</p>
CORE-13537	<p>The following modules and extensions are compatible with FirstSpirit 2021-05.</p> <p>Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-05”.</p>
CORE-13538	An error has been fixed which could lead to information relating to resolutions being incomplete in the JSON output for remote images.
CXT-1916	<p>Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.</p>
CXT-1968	<p>“Edit” in InEdit mode now supports editing forms.</p> <p>Further information can be found in chapter “ContentCreator: "Edit" in InEdit mode”.</p>
CXT-2194	There have been problems starting modules involving the use of the <code>org.springframework:spring-context-indexer</code> dependency in ContentCreator.
CXT-2269	The configured “Store Mapping” (project properties in FirstSpirit ServerManager under “ContentCreator settings”, FirstSpirit Developer API <code>de.espirit.firstspirit.store.WebeditStoreMappingPlugin</code>) is now taken into account when moving menu items and/or pages in the navigation bar. For example, if “Synchronous site- and page-store” has been selected, the corresponding nodes are now also moved to the Page Store.



ID	Description
CXT-2293	Automatically cutting images in ContentCreator generated multiple intermediate revisions depending on the resolutions concerned. In combination with CaaS Connect, the resulting change events were leading to unnecessary deployments of the media concerned.
CXT-2294	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

11.4 FirstSpirit Content Experience Tools (CXT)

ID	Description
CXT-1916	Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.
CXT-2294	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

11.5 FirstSpirit Jetty Web Server

ID	Description
CORE-12975	Update of internally used software. Further information can be found in chapter “System: Updates to integrated third-party software”.



11.6 FirstSpirit Omnichannel Manager

ID	Description
CXT-1968	<p>“Edit” in InEdit mode now supports editing forms.</p> <p>Further information can be found in chapter “ContentCreator: “Edit” in InEdit mode”.</p>

11.7 FirstSpirit Administrator

ID	Description
CORE-10613	<p>The response when installing modules has been modified so that resource conflicts between other modules no longer generate a message that a problem has occurred during installation.</p> <p>If the conflicts affect the module currently being installed, a corresponding error will continue to be output during installation.</p> <p>If conflicts between other modules are found, a corresponding conflict will continue to be displayed in the <code>fs-server.log</code> file and in the detailed information in the installation results dialog for the module. The log level for these messages has been changed from <code>WARN</code> to <code>INFO</code>.</p>
CORE-12975	<p>Update of internally used software.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>
CORE-13141	<p>In the current release, permissions to create internal groups have been restricted to server administrators.</p> <p>Further information can be found in chapter “Administration: Restriction of permissions to create internal groups”.</p>
CORE-13484	<p>The standard protocol when using an encrypted connection to the SMTP server has been changed to <code>TLS 1.2</code>.</p> <p>Further information can be found in chapter “Security: Encryption of the connection to the SMTP server (TLS)”.</p>
CORE-13537	<p>The following modules and extensions are compatible with FirstSpirit 2021-05.</p>



ID	Description
	Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-05”.
CXT-1769	<p>Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content.</p> <p>Further information can be found in chapter “ContentCreator: Language selection for content”.</p>
CXT-2293	Automatically cutting images in ContentCreator generated multiple intermediate revisions depending on the resolutions concerned. In combination with CaaS Connect, the resulting change events were leading to unnecessary deployments of the media concerned.
CXT-2294	<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>

11.8 FirstSpirit API

ID	Description
CORE-11307	<p>The FirstSpirit Access API has been extended to include classes for responding to various events in the case of changes.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: API extension for responding to events”.</p>
CORE-13528	<p>Automatic logging when using <code>RenderingAgent.Renderer</code> and deprecation of the <code>redirectTemplateLogToDefaultLog()</code> method.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Automatic logging when using “RenderingAgent.Renderer””.</p>
CXT-1916	<p>Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.</p>



11.9 FragmentCreator

ID	Description
CXT-1916	<p>Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.</p>
CXT-2294	<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>

11.10 Integrated software

ID	Description
CORE-12975	<p>Update of internally used software.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>

11.11 Java

ID	Description
CORE-12975	<p>Update of internally used software.</p> <p>Further information can be found in chapter “System: Updates to integrated third-party software”.</p>
CORE-13484	<p>The standard protocol when using an encrypted connection to the SMTP server has been changed to TLS 1.2.</p> <p>Further information can be found in chapter “Security: Encryption of the connection to the SMTP server (TLS)”.</p>



11.12 Support for JSON

ID	Description
CORE-13538	An error has been fixed which could lead to information relating to resolutions being incomplete in the JSON output for remote images.
CORE-13546	The <code>url</code> attribute is now only included in the JSON output of the FS_REFERENCE input component if a valid URL can be generated. If this is not the case, the attribute is not output.
CXT-1916	Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.

11.13 Launcher

ID	Description
CORE-12975	Update of internally used software. Further information can be found in chapter “System: Updates to integrated third-party software”.
CORE-13515	An error has been fixed which, in very rare cases, could cause an update to the launcher to fail as a result of user sessions expiring.

11.14 Media

ID	Description
CORE-13538	An error has been fixed which could lead to information relating to resolutions being incomplete in the JSON output for remote images.
CXT-1916	Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.



ID	Description
CXT-2293	Automatically cutting images in ContentCreator generated multiple intermediate revisions depending on the resolutions concerned. In combination with CaaS Connect, the resulting change events were leading to unnecessary deployments of the media concerned.

11.15 Module development

ID	Description
CXT-1916	Information for referenced page references or media can now also be included in the JSON output for PageRef DAP and Media DAP. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): PageRef DAP and Media DAP: Configure JSON output”.
CXT-2194	There have been problems starting modules involving the use of the <code>org.springframework:spring-context-indexer</code> dependency in ContentCreator.

11.16 Modules

ID	Description
CORE-10613	The response when installing modules has been modified so that resource conflicts between other modules no longer generate a message that a problem has occurred during installation. If the conflicts affect the module currently being installed, a corresponding error will continue to be output during installation. If conflicts between other modules are found, a corresponding conflict will continue to be displayed in the <code>fs-server.log</code> file and in the detailed information in the installation results dialog for the module. The log level for these messages has been changed from <code>WARN</code> to <code>INFO</code> .
CORE-13537	The following modules and extensions are compatible with FirstSpirit 2021-05. Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-05”.
CXT-2294	FirstSpirit Content Experience Tools: Latest module versions



ID	Description
	Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

11.17 Performance

ID	Description
CORE-13265	The stability of the system in scenarios with a high number of changes has been improved.

11.18 Permissions

ID	Description
CORE-13141	<p>In the current release, permissions to create internal groups have been restricted to server administrators.</p> <p>Further information can be found in chapter “Administration: Restriction of permissions to create internal groups”.</p>

11.19 Editor

ID	Description
CXT-1681	<p>Optimization of form display when changing languages and using multiple tabs (CMS_GROUP).</p> <p>Further information can be found in chapter “ContentCreator: Changing languages in forms with multiple tabs (CMS_GROUP)”.</p>
CXT-1769	<p>Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content.</p> <p>Further information can be found in chapter “ContentCreator: Language selection for content”.</p>
CXT-1968	<p>“Edit” in InEdit mode now supports editing forms.</p> <p>Further information can be found in chapter “ContentCreator: “Edit” in InEdit mode”.</p>



ID	Description
CXT-2212	Changes to content in FS_CATALOG components are now displayed correctly in ContentCreator (via “Display all changes”).
CXT-2269	The configured “Store Mapping” (project properties in FirstSpirit ServerManager under “ContentCreator settings”, FirstSpirit Developer API <code>de.espirit.firstspirit.store.WebeditStoreMappingPlugin</code>) is now taken into account when moving menu items and/or pages in the navigation bar. For example, if “Synchronous site- and page-store” has been selected, the corresponding nodes are now also moved to the Page Store.

11.20 Server Administrator

ID	Description
CORE-12975	Update of internally used software. Further information can be found in chapter “System: Updates to integrated third-party software”.
CORE-13139	An error has been fixed which, in certain configurations, could lead to an endless loop in the browser during loading when using SingleSignOn (e.g., with SAML).
CORE-13537	The following modules and extensions are compatible with FirstSpirit 2021-05. Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-05”.

11.21 ServerManager

ID	Description
CXT-1769	Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content. Further information can be found in chapter “ContentCreator: Language selection for content”.



11.22 Security

ID	Description
CORE-13484	<p>The standard protocol when using an encrypted connection to the SMTP server has been changed to TLS 1.2.</p> <p>Further information can be found in chapter “Security: Encryption of the connection to the SMTP server (TLS)”.</p>

11.23 SiteArchitect

ID	Description
CORE-13299	<p>The new “Copy GID” function is available via the context menu of a dataset.</p> <p>Further information can be found in chapter “SiteArchitect: New “Copy GID” context menu function for datasets”.</p>

11.24 Sessions

ID	Description
CORE-13515	<p>An error has been fixed which, in very rare cases, could cause an update to the launcher to fail as a result of user sessions expiring.</p>

11.25 Languages

ID	Description
CXT-1681	<p>Optimization of form display when changing languages and using multiple tabs (CMS_GROUP).</p> <p>Further information can be found in chapter “ContentCreator: Changing languages in forms with multiple tabs (CMS_GROUP)”.</p>
CXT-1769	<p>Specifically in projects with lots of different languages, editors can now set the priority languages for displaying content.</p>



ID	Description
	Further information can be found in chapter “ContentCreator: Language selection for content”.

11.26 Preview

ID	Description
CXT-1968	“Edit” in InEdit mode now supports editing forms. Further information can be found in chapter “ContentCreator: “Edit” in InEdit mode”.

