



# FirstSpirit™

*Unlock Your Content*

## Release Notes

### FirstSpirit™ 2021-12

<b>Status</b>	<b>RELEASED</b>
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# 1 Administration

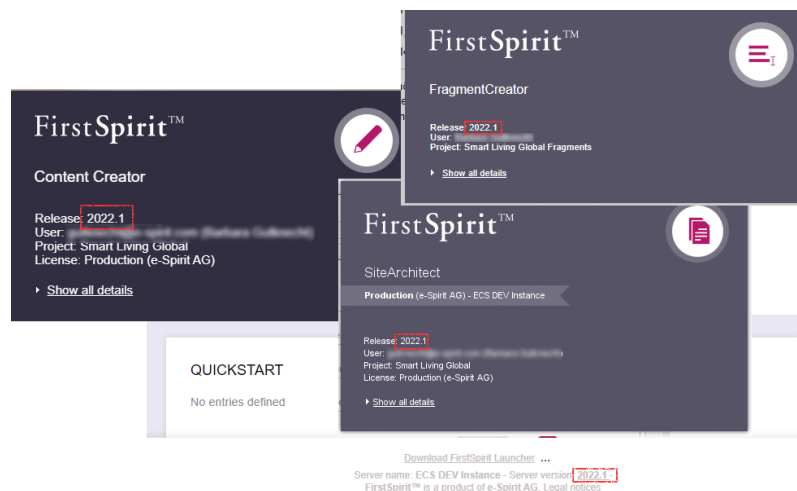
## 1.1 Announcement: New release name schema

With FirstSpirit 2021-09, the release interval was changed from monthly to every 4 weeks. It is planned to adjust the name of the releases to this condition at the turn of the year to 2022: to create releases with more flexibility, the release name will no longer base on the digits of the month (e.g. FirstSpirit 2021-12) but will use a continuous counter. The digits of the year are separated from this counter with a period, e.g.

2022.1

for the first release of the year 2022.

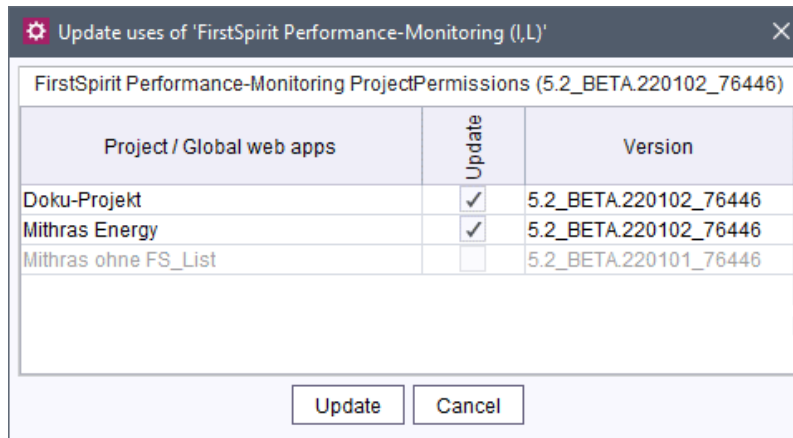
The release name is used in familiar places such as info dialog boxes.



## 1.2 Handling of project components for deactivated projects

When updating the uses of modules (FirstSpirit ServerManager / Server properties / Modules, “Update uses” / “Updating”), project components of deactivated projects are now no longer considered.





Furthermore, the administrator is notified during the reactivation of a project (FirstSpirit ServerManager / Project / Reactivate), if it uses a project component for which the module is not (no longer) installed on the server. In this case, he can remove the project component or install the module.

## 2 ContentCreator

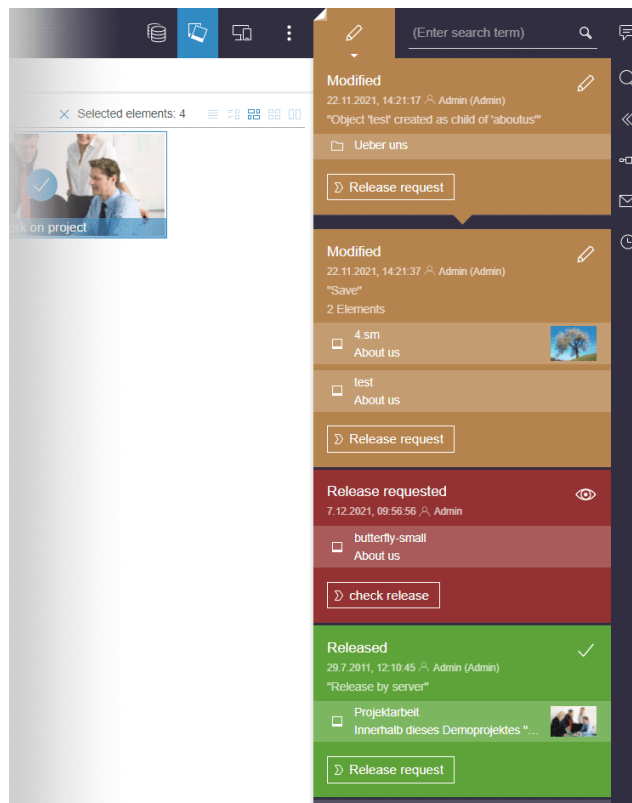
### 2.1 Expansion of the status display

The status of elements is displayed in the menu bar at the top right. There – depending on the respective element type and status – different actions can be executed, e.g. starting and continuing workflows, displaying earlier versions of a page, etc.

Until now, the status for selected media and datasets was found in the “Dashboard”.

With the latest release, the design of the status display has been revised to also be able to take the status of media and datasets as well as multi-selections into account.





### Which information and actions does the status display offer?

In addition to information for the respective element, the status shows information on the last change. Available workflow actions are visualized via button.

Below the colored status information, it is possible to open additional views for pages (e.g. earlier versions of the page, hidden or deleted sections) or rectify validation problems.

### Which element does the status apply to?

- In the **preview** (which means on a page), the displayed status refers to this page. Additional views of the page (e.g. an earlier version) can be opened with the corresponding buttons.
- In the **Media management** or the **Data sources view**, the displayed status refers to the respective **folder** that is selected in the navigation bar. For elements that are located in this folder and that were selected by clicking (media, datasets or other folders), the status and available actions are shown below as own status entries (visualized with arrow down).



In the Media management and Data sources view, multiple elements can be selected via click and workflows can be started on them. A bent corner indicates that a selection has been made and the status display applies to the selected folder and at least one selected element located in it.

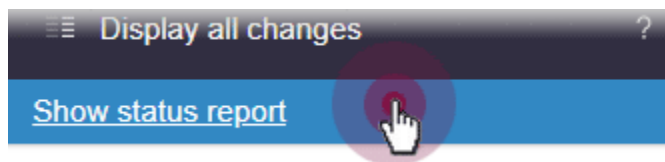


If several of the selected elements are in the same workflow step, the workflow is activated for them at the same time by pressing the corresponding button.

### Further information on operation

A click on the status icon or the “Show status report” button fixes the status display: this way, it remains open when changing to other elements so that the status of each desired element can be checked conveniently.

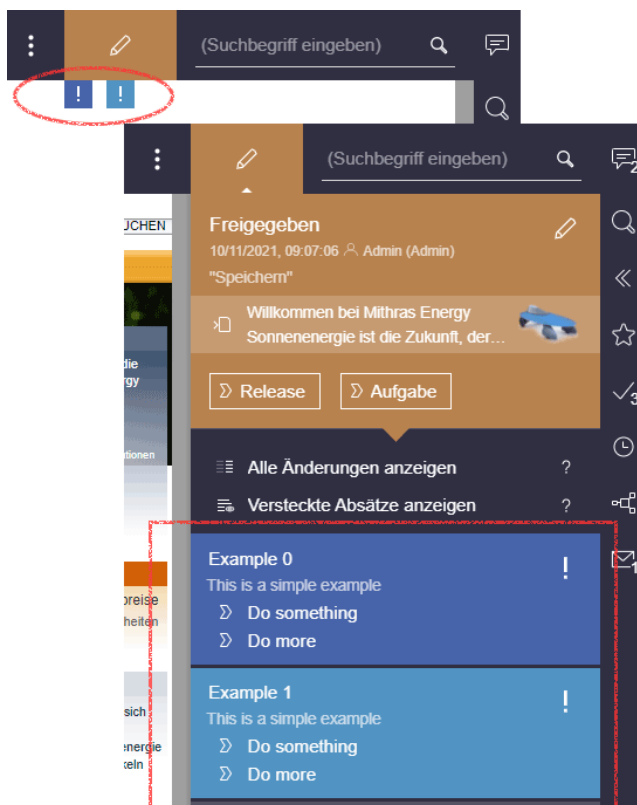
The display remains open until the user clicks on the status button again or opens another report.



The function of the “Status notifications” was visually adapted to the new design of the status display (“Status notifications”: plug-in, FirstSpirit Developer API, package `de.espirit.firstspirit.webedit.plugin.status`).







Status information is **no** longer displayed in the “Dashboard”. Until now, status information was displayed there for elements of the Media management and Data sources.

For more information, see also <https://docs.e-spirit.com/contentcreator/menu-functions/element-status/index.html>.

### 3 FirstSpirit Content Experience Tools (CXT)

#### 3.1 Latest module versions

FirstSpirit 2021-12 supports the following module versions for “FirstSpirit Content Experience Tools”.

Module / file name	Version number
FirstSpirit CXT Plattform	2.5.2
platform-[version].fsm	
FirstSpirit CXT DAP Bridge	1.44.2
dataservice-[version].fsm	



FirstSpirit CXT FragmentCreator fragment-creator-[version].fsm	3.4.4
FirstSpirit Fragment DAP fragmentdap-[version].fsm	1.40.4
FirstSpirit Media DAP mediadap-[version].fsm	1.31.3*
FirstSpirit PageRef DAP pagerefdap-[version].fsm	1.9.3
FirstSpirit Markdown Editor markdown-editor-[version].fsm	1.29.2*
FirstSpirit Tagging Editor tagging-editor-[version].fsm	1.29.2
FirstSpirit CXT FragmentCreator - CaaS Integration caas-integration-[version].fsm	1.31.3

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

## 4 Compatibility

### 4.1 Modules and extensions for FirstSpirit 2021-12

The following modules and extensions are compatible with FirstSpirit 2021-12:

Module name/File name	Version number	Compatibility
FirstSpirit Update Archive fs-update-[version].tar.gz	2.1.0	-
FirstSpirit Install Archiv fs-install-[version].tar.gz	2.1.0	-
FirstSpirit Launcher FSLauncher.exe	1.0.42	as of FirstSpirit 2018-08
FirstSpirit Launcher JRE module fs-launcher-jre-[version].fsm	1.19	as of FirstSpirit 2020-11



<b>FirstSpirit SAML Login module</b>	1.3	as of FirstSpirit 2019-02
fs-saml-login-[version].fsm		
<b>FSDevTools</b>	3.1.0	as of FirstSpirit 2021-07
fs-cli-[version].tar.gz		
fs-cli-[version].zip		
<b>FirstSpirit Module Gradle Plugin</b>	3.0.2	as of FirstSpirit 2019-06
firstspirit-module-gradle-plugin-[version].jar		

## 5 System

### 5.1 Updates to integrated third-party software

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

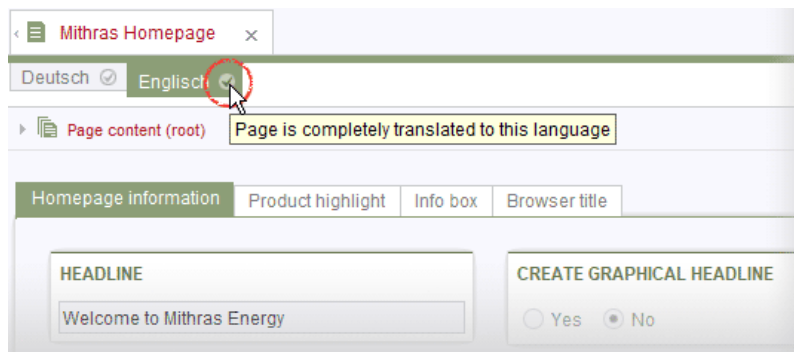
- **AWS SDK** (Amazon API for automatic image recognition, used in the “FirstSpirit Image Recognition” module)  
Update to version **2.17.58**  
With this update, more attributes can now be identified and saved for images with an analysis via the “FirstSpirit Image Recognition” module.  
Also refer to [Amazon Recognition News](#).
- **Apache Batik** (Display, creation and manipulation of scalable vector graphics, SVG)  
Update to version 1.14
- **TwelveMonkeys ImageIO** (extended Java support for image file formats)  
Update to version 3.7.0

## 6 Template development

### 6.1 JSON: New "translated" attribute for pages

With the latest release, the JSON output now also contains information for pages on whether the “Page is completely translated to this language” checkmark is activated in the SiteArchitect or not.





SiteArchitect: "Page is completely translated to this language" option

(See also <https://docs.e-spirit.com/odfs/edocs/fsar/page-store/settings-at-pag/index.html>)

If the checkmark is activated for the current language of the page, the value of the associated attribute is translated *true*, if the checkmark is not activated for this language, the value is *false*, e.g.

```
{
  "fsType": "Page",
  "name": "translated_status",
  "displayName": "translated_status",
  "identifier": "c3af851b-7429-4d28-9487-ca6e4c3311e8",
  "translated": false,
  "uid": "translated_status",
  "uidType": "PAGESTORE",
  "template": {
    "fsType": "PageTemplate",
    "name": "pt_empty_page",
    "displayName": "pt_empty_page",
    "identifier": "7c020f2f-719c-4334-8efc-f44015333d2a",
    "uid": "pt_empty_page",
    "uidType": "TEMPLATESTORE"
  },
  ...
}
```

## 6.2 Snippets: Syntax validation

The display of objects (pages, sections, datasets, media, etc.) can be influenced at many places of the FirstSpirit Clients, such as in search result lists, reports, selection dialogs, etc. The so-called “Snippets” are used for this. The configuration occurs on the “Snippet” tab of the respective template, for media on the “Snippet” tab of the selected metadata template for the project.



With the latest FirstSpirit release, the syntax of snippet definitions is now checked during saving. If it is incorrect, a corresponding note is displayed and the template cannot be saved.

Example for an error message:

```
Incorrect syntax in Extract definition
... (at line 4, column 48)
```

**Note:** Only the general syntax will be checked. However, there is no check to verify that the variable names that are used are correct and if the applied methods and operators are compatible with the respective object type.

## 7 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_OBJECTCHOOSER	5.2R3	
Input component CMS_INPUT_PAGEREF	5.2R3	
Input component CMS_INPUT_PICTURE	5.2R3	
Input component CMS_INPUT_TABLIST	5.2R3	



Functionality	Deprecated as of	Will be removed/ Was removed as of
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	
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	



Functionality	Deprecated as of	Will be removed/ Was removed as of
WebSphere Application Server support for FirstSpirit	2019-05	
Legacy mode for the FirstSpirit server and module development	2019-06	January 2022
Control files for Windows and Linux operating systems (old)	2020-08	February 2021
Database layer for Oracle Database 11g/12c	2020-12	
FirstSpirit Developer API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	

## 8 Overview

ID	Description	Categories
CORE-13129	<p>The latest FirstSpirit release checks the syntax of Snippet definitions when saving.</p> <p>Further information can be found in chapter “Template development: Snippets: Syntax validation”.</p>	Debugging, Developer, Snippets, Template Development, Template Store
CORE-13640	In very rare cases, switching the language dependency of a medium resulted in an interaction with a data-modifying upload hook.	Media, SiteArchitect
CORE-13851	<p>With the latest release, the JSON output now also contains information for pages on whether the “Page is completely translated to this language” checkmark is set or not.</p> <p>Further information can be found in chapter “Template development: JSON: New “translated” attribute for pages”.</p>	Developer, Languages, Page Store, Support for JSON
CORE-13981	An error has been fixed that, with the use of FSDevTools ( <i>fs-cli</i> ) could lead to that a change of the <code>PermissionMode</code> between two exports did not lead to the expected result.	Developer, FSDevTools, FirstSpirit Administrator, Permissions



ID	Description	Categories
CORE-13986	<p>When opening the FirstSpirit ContentCreator, errors could occur. Subsequently, certain functionalities, such as switching workflows could not be used.</p> <p>Messages in the log, such as <code>java.lang.IllegalStateException: not connected</code> and <code>de.espirit.firstspirit.server.ManagerNotFoundExcep</code> and <code>de.espirit.firstspirit.webedit.server.report.task.</code></p>	ContentCreator, Workflow
CORE-14011	<p>In very rare cases, problems with fonts could prevent a Content Transport feature from being installed. The behavior has been changed so that such problems no longer prevent the installation of a feature.</p>	Content Transport
CORE-14017	<p>In the <code>MBeanRepositoryManager</code>, additional information is now displayed for repositories that are currently opened.</p> <p>From these, information can be read out regarding the extent to which the corresponding cache is utilized (e.g. <code>BdbCacheSizePercent</code>) as well as the amount of use data contained in the opened repositories (<code>BdbLogUtilizationPercent</code>).</p> <p>The latter can also be read out for individual, currently open repositories under <code>de.espirit.firstspirit.manager.BerkeleyDbBackend</code>.</p>	Debugging, FirstSpirit Administrator, ServerMonitoring
CORE-14020	<p>The uploading of images with a format that is not supported (as media type “Image”) by FirstSpirit now leads to a more meaningful error message in the FirstSpirit SiteArchitect: <code>Error loading image data or unsupported image format</code>.</p> <p>As part of this bug fix, the behavior of the size determination with SVG images was also improved with the <code>viewBox</code> attribute (instead of entering the <code>width</code> and <code>height</code>) attributes.</p>	Debugging, Editor, Media
CORE-14032	<p>Handling of project components for deactivated projects</p> <p>Further information can be found in chapter “Administration: Handling of project components for deactivated projects”.</p>	FirstSpirit Administrator, Modules, ServerManager





ID	Description	Categories
CORE-14043 CXT-2478	<p>With use of the “FirstSpirit Image Recognition” module, it was not possible to upload images in certain formats to the FirstSpirit SiteArchitect.</p> <p>Now this only applies to images exceeding 5 MB, for which, based on the concept, an S3 Bucket must be created.</p> <p>Furthermore, images were not uploaded to FirstSpirit when no or no valid login credentials were configured for “FirstSpirit Image Recognition” (“Access key”).</p> <p>Now a corresponding error message is recorded in the <code>fs-server.log</code> file and images are uploaded to FirstSpirit.</p> <p><u>Important for non-Cloud customers:</u> After any module update, the FirstSpirit Server must be restarted for the changes to become effective.</p>	Developer, Editor, FirstSpirit Administrator, Media
CORE-14044	<p>An error has been fixed, which, in very rare cases, could cause a <code>NullPointerException</code> during exports with “fs-cli” (FSDevTools) of nodes with configured workflow rights.</p>	External synchronization, FSDevTools, Permissions, Workflow
CORE-14062	<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>	Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Modules
CORE-14097	<p>Announcement: New release name schema</p> <p>Further information can be found in chapter “Administration: Announcement: New release name schema”.</p>	FirstSpirit Administrator
CXT-2407 CORE-12798	<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>	Developer, FirstSpirit Administrator, Media, Modules
CXT-2458	<p>In the input element for the selection of datasets (FS_DATASET), only datasets that match the data source from the drop-down list are now offered for selection.</p>	Content Store, ContentCreator, Input Components



ID	Description	Categories
CXT-2471	<p>With the latest release, the design of the status display has been revised to also be able to take the state of media and datasets as well as multi-selections into account.</p> <p>Further information can be found in chapter “ContentCreator: Expansion of the status display”.</p>	ContentCreator, Editor, Release, Reports
CXT-2477	<p>If the FirstSpirit ContentCreator is used in the <b>OCM</b> mode (FirstSpirit Omnichannel Manager), clicking on historical entries in the “Project history” report resulted in the display of an error message in the browser console (<code>java.lang.IllegalArgumentException</code>). This error message is now no longer displayed: clicks on entries of the project history that are related to an older version no longer have an effect.</p> <p><u>Background:</u> based on the concept, historic states of objects are generally not available in OCM due to a use with <i>FirstSpirit Content as a Service</i> (“CaaS”). There, contents are maintained in the “current” and in the “released” state. The “Project history” report is therefore not functional in OCM.</p>	Editor, FirstSpirit Omnichannel Manager, Omnichannel Manager / Third Party Preview, Reports
CXT-2485	In FirstSpirit ContentCreator, when using the “Site-store based” Element Status Provider, in some cases the change status was visualized correctly but labeled incorrectly. This labeling has been corrected.	ContentCreator, Editor, Workflow
DEVEX-525 CORE-14028	<p>Modules and extensions for FirstSpirit 2021-12</p> <p>Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-12”.</p>	Developer, FSDevTools, FirstSpirit Administrator, Launcher, Modules



## 9 Categories

### 9.1 Workflow

ID	Description
CORE-13986	When opening the FirstSpirit ContentCreator, errors could occur. Subsequently, certain functionalities, such as switching workflows could not be used. Messages in the log, such as <code>java.lang.IllegalStateException: not connected</code> and <code>de.espirit.firstspirit.server.ManagerNotFoundException: de.espirit.firstspirit.webedit.server.report.task.ProjectTasksManager</code> .
CORE-14044	An error has been fixed, which, in very rare cases, could cause a <code>NullPointerException</code> during exports with “fs-cli” (FSDevTools) of nodes with configured workflow rights.
CXT-2485	In FirstSpirit ContentCreator, when using the “Site-store based” Element Status Provider, in some cases the change status was visualized correctly but labeled incorrectly. This labeling has been corrected.

### 9.2 Content Transport

ID	Description
CORE-14011	In very rare cases, problems with fonts could prevent a Content Transport feature from being installed. The behavior has been changed so that such problems no longer prevent the installation of a feature.

### 9.3 ContentCreator

ID	Description
CORE-13986	When opening the FirstSpirit ContentCreator, errors could occur. Subsequently, certain functionalities, such as switching workflows could not be used. Messages in the log, such as <code>java.lang.IllegalStateException: not connected</code> and <code>de.espirit.firstspirit.server.ManagerNotFoundException: de.espirit.firstspirit.webedit.server.report.task.ProjectTasksManager</code> .
CXT-2458	In the input element for the selection of datasets (FS_DATASET), only datasets that match the data source from the drop-down list are now offered for selection.



ID	Description
CXT-2471	<p>With the latest release, the design of the status display has been revised to also be able to take the state of media and datasets as well as multi-selections into account.</p> <p>Further information can be found in chapter “ContentCreator: Expansion of the status display”.</p>
CXT-2485	<p>In FirstSpirit ContentCreator, when using the “Site-store based” Element Status Provider, in some cases the change status was visualized correctly but labeled incorrectly. This labeling has been corrected.</p>

## 9.4 Content Store

ID	Description
CXT-2458	<p>In the input element for the selection of datasets (FS_DATASET), only datasets that match the data source from the drop-down list are now offered for selection.</p>

## 9.5 Debugging

ID	Description
CORE-13129	<p>The latest FirstSpirit release checks the syntax of Snippet definitions when saving.</p> <p>Further information can be found in chapter “Template development: Snippets: Syntax validation”.</p>
CORE-14017	<p>In the MBean <code>RepositoryManager</code>, additional information is now displayed for repositories that are currently opened.</p> <p>From these, information can be read out regarding the extent to which the corresponding cache is utilized (e.g. <code>BdbCacheSizePercent</code>) as well as the amount of use data contained in the opened repositories (<code>BdbLogUtilizationPercent</code>).</p> <p>The latter can also be read out for individual, currently open repositories under <code>de.espirit.firstspirit.manager.BerkeleyDbBackend</code>.</p>
CORE-14020	<p>The uploading of images with a format that is not supported (as media type “Image”) by FirstSpirit now leads to a more meaningful error message in the FirstSpirit SiteArchitect: <code>Error loading image data or unsupported image format</code>.</p>



ID	Description
	As part of this bug fix, the behavior of the size determination with SVG images was also improved with the <i>viewBox</i> attribute (instead of entering the <i>width</i> and <i>height</i> ) attributes.

## 9.6 Input Components

ID	Description
CXT-2458	In the input element for the selection of datasets (FS_DATASET), only datasets that match the data source from the drop-down list are now offered for selection.

## 9.7 Developer

ID	Description
CORE-13129	<p>The latest FirstSpirit release checks the syntax of Snippet definitions when saving.</p> <p>Further information can be found in chapter “Template development: Snippets: Syntax validation”.</p>
CORE-13851	<p>With the latest release, the JSON output now also contains information for pages on whether the “Page is completely translated to this language” checkmark is set or not.</p> <p>Further information can be found in chapter “Template development: JSON: New “translated” attribute for pages”.</p>
CORE-13981	An error has been fixed that, with the use of FSDevTools ( <i>fs-cli</i> ) could lead to that a change of the <code>PermissionMode</code> between two exports did not lead to the expected result.
CORE-14043 CXT-2478	<p>With use of the “FirstSpirit Image Recognition” module, it was not possible to upload images in certain formats to the FirstSpirit SiteArchitect.</p> <p>Now this only applies to images exceeding 5 MB, for which, based on the concept, an S3 Bucket must be created.</p> <p>Furthermore, images were not uploaded to FirstSpirit when no or no valid login credentials were configured for “FirstSpirit Image Recognition” (“Access key”).</p> <p>Now a corresponding error message is recorded in the <code>fs-server.log</code> file and images are uploaded to FirstSpirit.</p>



ID	Description
	<u>Important for non-Cloud customers:</u> After any module update, the FirstSpirit Server must be restarted for the changes to become effective.
CORE-14062	FirstSpirit Content Experience Tools: Latest module versions  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.
CXT-2407	Internal software has been updated in the latest FirstSpirit release.
CORE-12798	Further information can be found in chapter “System: Updates to integrated third-party software”.
DEVEX-525	Modules and extensions for FirstSpirit 2021-12
CORE-14028	Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-12”.

## 9.8 External synchronization

ID	Description
CORE-14044	An error has been fixed, which, in very rare cases, could cause a <code>NullPointerException</code> during exports with “fs-cli” (FSDevTools) of nodes with configured workflow rights.

## 9.9 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-14062	FirstSpirit Content Experience Tools: Latest module versions  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.



## 9.10 FirstSpirit Omnichannel Manager

ID	Description
CXT-2477	<p>If the FirstSpirit ContentCreator is used in the <b>OCM</b> mode (FirstSpirit Omnichannel Manager), clicking on historical entries in the “Project history” report resulted in the display of an error message in the browser console (<code>java.lang.IllegalArgumentException</code>). This error message is now no longer displayed: clicks on entries of the project history that are related to an older version no longer have an effect.</p> <p><u>Background:</u> based on the concept, historic states of objects are generally not available in OCM due to a use with <i>FirstSpirit Content as a Service</i> (“CaaS”). There, contents are maintained in the “current” and in the “released” state. The “Project history” report is therefore not functional in OCM.</p>

## 9.11 FirstSpirit Administrator

ID	Description
CORE-13981	An error has been fixed that, with the use of FSDevTools ( <i>fs-cli</i> ) could lead to that a change of the <code>PermissionMode</code> between two exports did not lead to the expected result.
CORE-14017	<p>In the <code>MBean RepositoryManager</code>, additional information is now displayed for repositories that are currently opened.</p> <p>From these, information can be read out regarding the extent to which the corresponding cache is utilized (e.g. <code>BdbCacheSizePercent</code>) as well as the amount of use data contained in the opened repositories (<code>BdbLogUtilizationPercent</code>).</p> <p>The latter can also be read out for individual, currently open repositories under <code>de.espirit.firstspirit.manager.BerkeleyDbBackend</code>.</p>
CORE-14032	<p>Handling of project components for deactivated projects</p> <p>Further information can be found in chapter “Administration: Handling of project components for deactivated projects”.</p>
CORE-14043 CXT-2478	<p>With use of the “FirstSpirit Image Recognition” module, it was not possible to upload images in certain formats to the FirstSpirit SiteArchitect.</p> <p>Now this only applies to images exceeding 5 MB, for which, based on the concept, an S3 Bucket must be created.</p>



ID	Description
	<p>Furthermore, images were not uploaded to FirstSpirit when no or no valid login credentials were configured for “FirstSpirit Image Recognition” (“Access key”).            Now a corresponding error message is recorded in the <code>fs-server.log</code> file and images are uploaded to FirstSpirit.</p> <p><u>Important for non-Cloud customers:</u> After any module update, the FirstSpirit Server must be restarted for the changes to become effective.</p>
CORE-14062	<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>
CORE-14097	<p>Announcement: New release name schema</p> <p>Further information can be found in chapter “Administration: Announcement: New release name schema”.</p>
CXT-2407 CORE-12798	<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>
DEVEX-525 CORE-14028	<p>Modules and extensions for FirstSpirit 2021-12</p> <p>Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-12”.</p>

## 9.12 FragmentCreator

ID	Description
CORE-14062	<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>





## 9.13 Release

ID	Description
CXT-2471	With the latest release, the design of the status display has been revised to also be able to take the state of media and datasets as well as multi-selections into account.  Further information can be found in chapter “ContentCreator: Expansion of the status display”.

## 9.14 FSDevTools

ID	Description
CORE-13981	An error has been fixed that, with the use of FSDevTools ( <i>fs-cli</i> ) could lead to that a change of the <code>PermissionMode</code> between two exports did not lead to the expected result.
CORE-14044	An error has been fixed, which, in very rare cases, could cause a <code>NullPointerException</code> during exports with “fs-cli” (FSDevTools) of nodes with configured workflow rights.
DEVEX-525	Modules and extensions for FirstSpirit 2021-12
CORE-14028	Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-12”.

## 9.15 Page Store

ID	Description
CORE-13851	With the latest release, the JSON output now also contains information for pages on whether the “Page is completely translated to this language” checkmark is set or not.  Further information can be found in chapter “Template development: JSON: New “translated” attribute for pages”.



## 9.16 Support for JSON

ID	Description
CORE-13851	<p>With the latest release, the JSON output now also contains information for pages on whether the “Page is completely translated to this language” checkmark is set or not.</p> <p>Further information can be found in chapter “Template development: JSON: New “translated” attribute for pages”.</p>

## 9.17 Launcher

ID	Description
DEVEX-525	Modules and extensions for FirstSpirit 2021-12
CORE-14028	<p>Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-12”.</p>

## 9.18 Media

ID	Description
CORE-13640	In very rare cases, switching the language dependency of a medium resulted in an interaction with a data-modifying upload hook.
CORE-14020	<p>The uploading of images with a format that is not supported (as media type “Image”) by FirstSpirit now leads to a more meaningful error message in the FirstSpirit SiteArchitect: <code>Error loading image data or unsupported image format</code>.</p> <p>As part of this bug fix, the behavior of the size determination with SVG images was also improved with the <code>viewBox</code> attribute (instead of entering the <code>width</code> and <code>height</code> attributes).</p>
CORE-14043 CXT-2478	<p>With use of the “FirstSpirit Image Recognition” module, it was not possible to upload images in certain formats to the FirstSpirit SiteArchitect.</p> <p>Now this only applies to images exceeding 5 MB, for which, based on the concept, an S3 Bucket must be created.</p> <p>Furthermore, images were not uploaded to FirstSpirit when no or no valid login credentials were configured for “FirstSpirit Image Recognition” (“Access key”).</p>



ID	Description
	<p>Now a corresponding error message is recorded in the <code>fs-server.log</code> file and images are uploaded to FirstSpirit.</p> <p><u>Important for non-Cloud customers:</u> After any module update, the FirstSpirit Server must be restarted for the changes to become effective.</p>
CXT-2407 CORE-12798	<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>

## 9.19 Modules

ID	Description
CORE-14032	<p>Handling of project components for deactivated projects</p> <p>Further information can be found in chapter “Administration: Handling of project components for deactivated projects”.</p>
CORE-14062	<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>
CXT-2407 CORE-12798	<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>
DEVEX-525 CORE-14028	<p>Modules and extensions for FirstSpirit 2021-12</p> <p>Further information can be found in chapter “Compatibility: Modules and extensions for FirstSpirit 2021-12”.</p>



## 9.20 Omnichannel Manager / Third Party Preview

ID	Description
CXT-2477	<p>If the FirstSpirit ContentCreator is used in the <b>OCM</b> mode (FirstSpirit Omnichannel Manager), clicking on historical entries in the “Project history” report resulted in the display of an error message in the browser console (<code>java.lang.IllegalArgumentException</code>). This error message is now no longer displayed: clicks on entries of the project history that are related to an older version no longer have an effect.</p> <p><u>Background:</u> based on the concept, historic states of objects are generally not available in OCM due to a use with <i>FirstSpirit Content as a Service</i> (“CaaS”). There, contents are maintained in the “current” and in the “released” state. The “Project history” report is therefore not functional in OCM.</p>

## 9.21 Permissions

ID	Description
CORE-13981	An error has been fixed that, with the use of FSDevTools ( <i>fs-cli</i> ) could lead to that a change of the <code>PermissionMode</code> between two exports did not lead to the expected result.
CORE-14044	An error has been fixed, which, in very rare cases, could cause a <code>NullPointerException</code> during exports with “fs-cli” (FSDevTools) of nodes with configured workflow rights.

## 9.22 Editor

ID	Description
CORE-14020	<p>The uploading of images with a format that is not supported (as media type “Image”) by FirstSpirit now leads to a more meaningful error message in the FirstSpirit SiteArchitect: <code>Error loading image data or unsupported image format</code>.</p> <p>As part of this bug fix, the behavior of the size determination with SVG images was also improved with the <code>viewBox</code> attribute (instead of entering the <code>width</code> and <code>height</code>) attributes.</p>
CORE-14043 CXT-2478	<p>With use of the “FirstSpirit Image Recognition” module, it was not possible to upload images in certain formats to the FirstSpirit SiteArchitect.</p> <p>Now this only applies to images exceeding 5 MB, for which, based on the concept, an S3 Bucket must be created.</p>



ID	Description
	<p>Furthermore, images were not uploaded to FirstSpirit when no or no valid login credentials were configured for “FirstSpirit Image Recognition” (“Access key”).            Now a corresponding error message is recorded in the <code>fs-server.log</code> file and images are uploaded to FirstSpirit.</p> <p><u>Important for non-Cloud customers:</u> After any module update, the FirstSpirit Server must be restarted for the changes to become effective.</p>
CXT-2471	<p>With the latest release, the design of the status display has been revised to also be able to take the state of media and datasets as well as multi-selections into account.</p> <p>Further information can be found in chapter “ContentCreator: Expansion of the status display”.</p>
CXT-2477	<p>If the FirstSpirit ContentCreator is used in the <b>OCM</b> mode (FirstSpirit Omnichannel Manager), clicking on historical entries in the “Project history” report resulted in the display of an error message in the browser console (<code>java.lang.IllegalArgumentException</code>). This error message is now no longer displayed: clicks on entries of the project history that are related to an older version no longer have an effect.</p> <p><u>Background:</u> based on the concept, historic states of objects are generally not available in OCM due to a use with <i>FirstSpirit Content as a Service</i> (“CaaS”). There, contents are maintained in the “current” and in the “released” state. The “Project history” report is therefore not functional in OCM.</p>
CXT-2485	<p>In FirstSpirit ContentCreator, when using the “Site-store based” Element Status Provider, in some cases the change status was visualized correctly but labeled incorrectly. This labeling has been corrected.</p>

## 9.23 Reports

ID	Description
CXT-2471	<p>With the latest release, the design of the status display has been revised to also be able to take the state of media and datasets as well as multi-selections into account.</p> <p>Further information can be found in chapter “ContentCreator: Expansion of the status display”.</p>
CXT-2477	<p>If the FirstSpirit ContentCreator is used in the <b>OCM</b> mode (FirstSpirit Omnichannel Manager), clicking on historical entries in the “Project history” report resulted in the display of an error</p>



ID	Description
	<p>message in the browser console (<code>java.lang.IllegalArgumentException</code>). This error message is now no longer displayed: clicks on entries of the project history that are related to an older version no longer have an effect.</p> <p><u>Background:</u> based on the concept, historic states of objects are generally not available in OCM due to a use with <i>FirstSpirit Content as a Service</i> (“CaaS”). There, contents are maintained in the “current” and in the “released” state. The “Project history” report is therefore not functional in OCM.</p>

## 9.24 Snippets

ID	Description
CORE-13129	<p>The latest FirstSpirit release checks the syntax of Snippet definitions when saving.</p> <p>Further information can be found in chapter “Template development: Snippets: Syntax validation”.</p>

## 9.25 ServerManager

ID	Description
CORE-14032	<p>Handling of project components for deactivated projects</p> <p>Further information can be found in chapter “Administration: Handling of project components for deactivated projects”.</p>

## 9.26 ServerMonitoring

ID	Description
CORE-14017	<p>In the MBean <code>RepositoryManager</code>, additional information is now displayed for repositories that are currently opened.</p>



ID	Description
	<p>From these, information can be read out regarding the extent to which the corresponding cache is utilized (e.g. <code>BdbCacheSizePercent</code>) as well as the amount of use data contained in the opened repositories (<code>BdbLogUtilizationPercent</code>).</p> <p>The latter can also be read out for individual, currently open repositories under <code>de.espirit.firstspirit.manager.BerkeleyDbBackend</code>.</p>

## 9.27 SiteArchitect

ID	Description
CORE-13640	<p>In very rare cases, switching the language dependency of a medium resulted in an interaction with a data-modifying upload hook.</p>

## 9.28 Languages

ID	Description
CORE-13851	<p>With the latest release, the JSON output now also contains information for pages on whether the “Page is completely translated to this language” checkmark is set or not.</p> <p>Further information can be found in chapter “Template development: JSON: New “translated” attribute for pages”.</p>

## 9.29 Template Store

ID	Description
CORE-13129	<p>The latest FirstSpirit release checks the syntax of Snippet definitions when saving.</p> <p>Further information can be found in chapter “Template development: Snippets: Syntax validation”.</p>



### 9.30 Template Development

ID	Description
CORE-13129	The latest FirstSpirit release checks the syntax of Snippet definitions when saving.  Further information can be found in chapter “Template development: Snippets: Syntax validation”.

