



FirstSpirit™

Unlock Your Content

Release Notes

FirstSpirit™ 2022.6

Status	RELEASED
Department	FS-Core
Copyright	2022 e-Spirit GmbH

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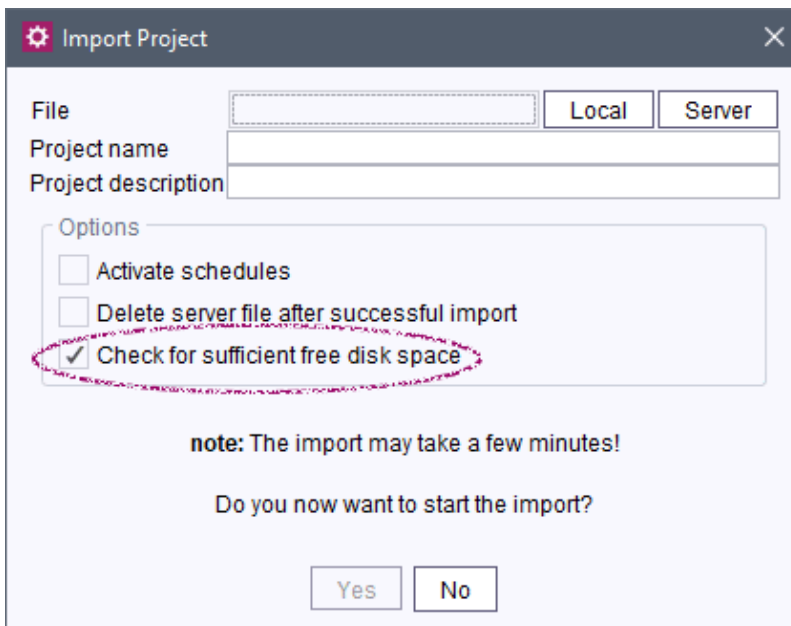
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1 Administration

1.1 Project import: Check disk space

With the latest release, you can now check if the available disk space is sufficient when importing a project (FirstSpirit ServerManager | Project | Import).



If the “Check for sufficient free disk space” checkbox is activated, a check will run before the import to determine if there is sufficient disk space for the project import without reducing the free memory enough to cause the FirstSpirit Server to shut down.

Note: In case of this check, it is assumed that there are no database contents that occupy the available memory of the FirstSpirit. Furthermore, this check estimates the additionally required disk space beyond the pure data storage (e.g., for the search index, relation graph, etc.). In rare cases, it is thereby possible that the server shuts down in spite of this check due to a lack of memory.

See also https://docs.e-spirit.com/odfs/edocs/admi/firstspirit-ser/menu-bar-items/project/index.html#text_bild_3.



1.2 S3 Deployment: Select generation type

Generation type detection by the AWS S3 Deployment module has been improved (*full* or *partial generation*), e.g.,

```
INFO 18.03.2022 17:31:11.365 {uID=0,seID=885317,pID=881777} (com.espirit.ps.aws.services.s3.GenerationType): Generation type was set to [full | partial generation].
```

In this context, new methods have been created in the FirstSpirit Developer API in the `de.espirit.firstspirit.scheduling` package, `ScheduleTaskExecutionContext` interface, that allow access in a `ScheduleTaskApplication` to the executing `ScheduleTask`:

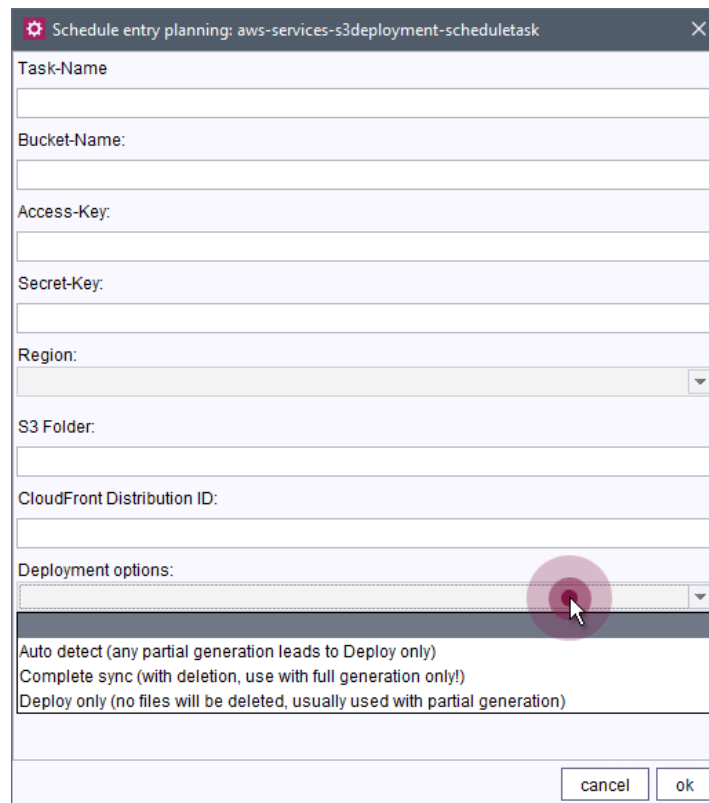
```
getTask();  
getTaskIndex();
```

In addition, the automatic recognition of the generation type has been improved:

- *Until now*, a decision was made based on the **first** generation action (or the first generation task) whether or not files must be deleted from the S3 bucket. The action / task was thereby taken into account regardless of whether it was active or not.
- *Now*, all active generation actions that occur in the sequence prior to the S3 Deployment Task are taken into account. If one of these actions is a partial generation (“partial generation”), a deployment is executed without deletion.

The deployment can now be configured using a newly implemented drop-down box based on the individual project requirements (“Deployment options”), within the project component and / or within a AWS S3 Deployment action (in “Schedule management”)





- *(Empty)*
The setting from the project component is used (*AWS Services Configuration ProjectApp*).
- *Auto detect (any partial generation leads to Deploy only):*
The automatic recognition is used (see explanation above):
The review includes all active generation schedules that occur in the sequence prior to the S3 Deployment Task. If one of these schedules is a partial generation (“partial generation”), a deployment without deletion is executed.
- *Complete sync (with deletion, use with full generation only!):*
The S3 Deployment is executed **with** deletion of obsolete files in the S3 bucket.
This option should only be selected for full generations.
- *Deploy only (no files will be deleted, usually used with partial generation):*
The S3 Deployment is executed **without** deletion of obsolete files in the S3 bucket.
This option is generally used for partial generations.



Note: It is recommended to select the suitable deployment type for the individual project requirements from this drop-down box by hand and not to use the automatic recognition.

More information

- on module: https://docs.e-spirit.com/cloud/developer-cloud-documentation/Cloud_Development_Deployment_DE.html
- on generations: <https://docs.e-spirit.com/odfs/advanced-topics/generation/index.html>

1.3 ServerManager: Display of web applications and web components

The display of available web applications and web components has been improved (FirstSpirit Server Manager/“Server Properties/Web Applications” and “Project Properties/Web Components”):

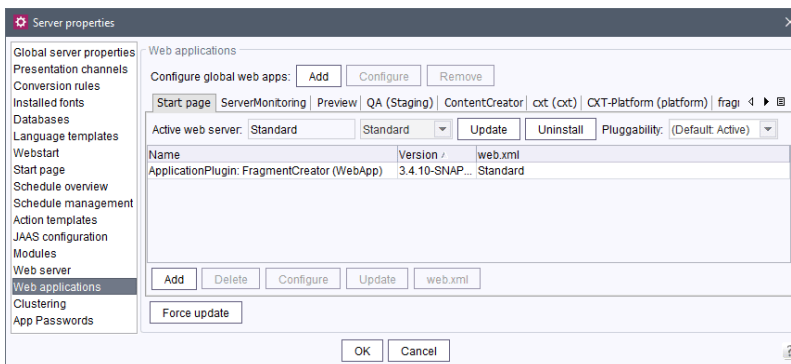
If it is not possible to display all web applications/components at the same time due to the width of the dialog, you can now use the arrow symbols to scroll through the elements:



You can use the following icon to display the elements as a list:



In the past, all existing web applications/components were displayed in multiple lines underneath each other when the width of the dialog was too narrow to display all elements at the same time.



The new display method also builds the display (especially in case of many web applications/components) significantly faster than before.

1.4 Configuring the default value for stack depth

The new `generate.defaultMaxStackSize` parameter can be used to define the default value for the stack size server-wide in the `fs-server.conf` file.

Default value: 75.

In the past, the default value specified by the `#global.maxStackSize` parameter was 50.

For more information, see

- `generate.defaultMaxStackSize` parameter: https://docs.e-spirit.com/odfs/edocs/admi/firstspirit-ser/configuration-f/firstspirit-ser/area-server/index.html#generate_defaultmaxstacksize
- Stack depth in FirstSpirit: https://docs.e-spirit.com/odfs/template-develo/template-syntax/system-objects/global/preview-specifi/index.html#_global_maxstacksize

2 Administration / Modules

2.1 FirstSpirit Module Gradle Plugin: Support for "Legacy mode" has been discontinued

With FirstSpirit 2022.3, the support for the "Legacy mode" for FirstSpirit Server and module developer has been discontinued.

With the latest release, the support for the "Legacy mode" was also removed in the **FirstSpirit Module Gradle Plugin** (`firstspirit-module-gradle-plugin-[version].jar`). The current version of the plug-in is **4.0.0**.

With this version, only `module-isolated.xml` files are now generated. However, modules that contain a `module.xml` file cause an error message when generating.



3 ContentCreator

3.1 "FirstSpirit Image Recognition" module: Improvement of performance

The performance when calling the Amazon Recognition API has been improved:

Recognition of faces and celebrities is now only executed when labels such as *Human*, *Person* or *Face* have been recognized first.

Likewise, text recognition is only executed when a *Text* label has been recognized first.

Based on *Debug* log output, you can now track which API calls are made, e.g.,

```
... Calling the 'detectLabels' Amazon Image Rekognition API endpoint  
... Calling the 'detectFaces' Amazon Image Rekognition API endpoint
```

As part of this change, the AWS SDK has been updated to Version 2.17.173.

4 FirstSpirit Content Experience Tools (CXT)

4.1 Latest module versions

FirstSpirit 2022.6 supports the following module versions for "FirstSpirit Content Experience Tools".

Module / file name	Version number
FirstSpirit CXT Plattform	2.5.5
platform-[version].fsm	
FirstSpirit CXT DAP Bridge	1.44.5
dataservice-[version].fsm	
FirstSpirit CXT FragmentCreator	3.4.9
fragment-creator-[version].fsm	
FirstSpirit Fragment DAP	1.40.10
fragmentdap-[version].fsm	
FirstSpirit Media DAP	1.31.5*
mediadap-[version].fsm	
FirstSpirit PageRef DAP	1.9.5
pagerefdap-[version].fsm	



FirstSpirit Markdown Editor	1.29.4*
<code>markdown-editor-[version].fsm</code>	
FirstSpirit Tagging Editor	1.29.4
<code>tagging-editor-[version].fsm</code>	
FirstSpirit CXT FragmentCreator - CaaS Integration	1.31.5
<code>caas-integration-[version].fsm</code>	

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

5 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	
Control files for Windows and Linux operating systems (old)	2020-08	
Database layer for Oracle Database 11g/12c	2020-12	
FirstSpirit Developer API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	
Support for Log4j 1	2022-05	

6 Overview

ID	Description	Categories
CORE-12121	<p>The display of the available web applications and web components has been improved.</p> <p>Further information can be found in chapter “Administration: ServerManager: Display of web applications and web components”.</p>	FirstSpirit Administrator, ServerManager, Web applications
CORE-12672	When using the “Preview Errors” function, changes of the output channel for the links in Stacktrace are now also taken into account accordingly, so that a direct jump to errors from other output channels is also possible.	Debugging, Developer, SiteArchitect
CORE-13411	An error has been fixed, which, in very rare cases, could cause <i>jar</i> files that are stored in the <FirstSpiritROOT>/work/storage/jars directory to be deleted even though they were still needed by FirstSpirit.	FirstSpirit Administrator, ServerManager



ID	Description	Categories
CORE-13705 CORE-14353	<p>The generation type detection by the AWS-S3 Deployment module has been improved.</p> <p>Furthermore, the possibility to manually define the deployment type (complete synchronization incl. deletion or only uploading of files) in the AWS S3 deployment module has been created.</p> <p>In addition, new methods have been added to the FirstSpirit Developer API in the <code>ScheduleTaskExecutionContext</code> interface.</p> <p>Further information can be found in chapter “Administration: S3 Deployment: Select generation type”.</p>	FirstSpirit Administrator, Generation, Modules
CORE-13886	<p>With the latest release, you can now check if the available disk space is sufficient when importing a project.</p> <p>Further information can be found in chapter “Administration: Project import: Check disk space”.</p>	FirstSpirit Administrator, Project export / import, ServerManager
CORE-13962	<p>If the relevant revision has been archived, an <i>INFO</i> instead of a <i>WARN</i> is now logged when loading a feature.</p>	Content Transport, Debugging, Developer, FirstSpirit Administrator, Logging
CORE-14333	<p>The new <code>generate.defaultMaxStackSize</code> parameter defines the default value for the stack size. The default value was raised from 50 to 75.</p> <p>Further information can be found in chapter “Administration: Configuring the default value for stack depth”.</p>	FirstSpirit Administrator, Performance
CORE-14349	<p>The conversion to “Log4j 2” could cause <code>java.lang.ClassCastException</code> errors during the deployment of web applications.</p> <p>With the latest release, the <code>LoggerContext</code> is now checked for compatibility. If not, this is now logged with an <i>INFO</i> message in the log instead of an Exception.</p>	Debugging, FirstSpirit Administrator, Logging
CORE-14380	<p>An error has been fixed which, in rare cases, could cause sessions opened with the ServerManager to temporarily remain.</p>	FirstSpirit Administrator, ServerManager, Sessions



ID	Description	Categories
CORE-14386	<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-14391	<p>If the parameters of the <i>fs-server.conf</i> file have invalid values, this is now documented with a <i>WARN</i> message in the log. In the past, only one <i>DEBUG</i> was logged.</p> <p>Example: WARN 13.05.2022 12:50:48.310 (de.espirit.firstspirit.server.ServerManagerImpl): wrong numerical format for property memory.limit: '95x'</p>	Debugging, FirstSpirit Administrator, ServerMonitoring
CXT-1910	<p>The performance when calling the Amazon Recognition API has been improved.</p> <p>Further information can be found in chapter “ContentCreator: “FirstSpirit Image Recognition” module: Improvement of performance”.</p>	ContentCreator, FirstSpirit Administrator, Media, Performance
CXT-2579	<p>In FirstSpirit, elements, such as images, sections, pages, datasets, etc., can be used repeatedly. The term “References” in the title bar of Editing dialogs in the FirstSpirit ContentCreator indicates that the respective element (such as an image) is used on a page or in a dataset (“referenced”).</p> <p>With the latest release, all references that are relevant for the editor are now displayed there. In the past, some element types were not included. For elements from remote projects, the name of the remote project is now also displayed.</p>	ContentCreator, Editor
DEVEX-510	<p>With the latest release, the “FirstSpirit Module Gradle Plugin” can no longer be used to generate modules in the “Legacy mode”.</p> <p>Further information can be found in chapter “Administration / Modules: FirstSpirit Module Gradle Plugin: Support for “Legacy mode” has been discontinued”.</p>	Developer, FirstSpirit Administrator, Isolated mode, Module development, Modules



7 Categories

7.1 Content Transport

ID	Description
CORE-13962	If the relevant revision has been archived, an <i>INFO</i> instead of a <i>WARN</i> is now logged when loading a feature.

7.2 ContentCreator

ID	Description
CXT-1910	<p>The performance when calling the Amazon Recognition API has been improved.</p> <p>Further information can be found in chapter “ContentCreator: “FirstSpirit Image Recognition” module: Improvement of performance”.</p>
CXT-2579	<p>In FirstSpirit, elements, such as images, sections, pages, datasets, etc., can be used repeatedly. The term “References” in the title bar of Editing dialogs in the FirstSpirit ContentCreator indicates that the respective element (such as an image) is used on a page or in a dataset (“referenced”). With the latest release, all references that are relevant for the editor are now displayed there. In the past, some element types were not included. For elements from remote projects, the name of the remote project is now also displayed.</p>

7.3 Debugging

ID	Description
CORE-12672	When using the “Preview Errors” function, changes of the output channel for the links in Stacktrace are now also taken into account accordingly, so that a direct jump to errors from other output channels is also possible.
CORE-13962	If the relevant revision has been archived, an <i>INFO</i> instead of a <i>WARN</i> is now logged when loading a feature.
CORE-14349	The conversion to “Log4j 2” could cause <code>java.lang.ClassCastException</code> errors during the deployment of web applications.



ID	Description
	With the latest release, the <code>LoggerContext</code> is now checked for compatibility. If not, this is now logged with an <i>INFO</i> message in the log instead of an Exception.
CORE-14391	<p>If the parameters of the <code>fs-server.conf</code> file have invalid values, this is now documented with a <i>WARN</i> message in the log. In the past, only one <i>DEBUG</i> was logged.</p> <p>Example: WARN 13.05.2022 12:50:48.310 (de.espirit.firstspirit.server.ServerManagerImpl): wrong numerical format for property memory.limit: '95x'</p>

7.4 Developer

ID	Description
CORE-12672	When using the “Preview Errors” function, changes of the output channel for the links in Stacktrace are now also taken into account accordingly, so that a direct jump to errors from other output channels is also possible.
CORE-13962	If the relevant revision has been archived, an <i>INFO</i> instead of a <i>WARN</i> is now logged when loading a feature.
CORE-14386	<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>
DEVEX-510	<p>With the latest release, the “FirstSpirit Module Gradle Plugin” can no longer be used to generate modules in the “Legacy mode”.</p> <p>Further information can be found in chapter “Administration / Modules: FirstSpirit Module Gradle Plugin: Support for "Legacy mode" has been discontinued”.</p>

7.5 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-14386	FirstSpirit Content Experience Tools: Latest module versions



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

7.6 FirstSpirit Administrator

ID	Description
CORE-12121	<p>The display of the available web applications and web components has been improved.</p> <p>Further information can be found in chapter “Administration: ServerManager: Display of web applications and web components”.</p>
CORE-13411	An error has been fixed, which, in very rare cases, could cause <i>jar</i> files that are stored in the <code><FirstSpiritROOT>/work/storage/jars</code> directory to be deleted even though they were still needed by FirstSpirit.
CORE-13705 CORE-14353	<p>The generation type detection by the AWS-S3 Deployment module has been improved.</p> <p>Furthermore, the possibility to manually define the deployment type (complete synchronization incl. deletion or only uploading of files) in the AWS S3 deployment module has been created. In addition, new methods have been added to the FirstSpirit Developer API in the <code>ScheduleTaskExecutionContext</code> interface.</p> <p>Further information can be found in chapter “Administration: S3 Deployment: Select generation type”.</p>
CORE-13886	<p>With the latest release, you can now check if the available disk space is sufficient when importing a project.</p> <p>Further information can be found in chapter “Administration: Project import: Check disk space”.</p>
CORE-13962	If the relevant revision has been archived, an <i>INFO</i> instead of a <i>WARN</i> is now logged when loading a feature.
CORE-14333	<p>The new <code>generate.defaultMaxStackSize</code> parameter defines the default value for the stack size. The default value was raised from <i>50</i> to <i>75</i>.</p> <p>Further information can be found in chapter “Administration: Configuring the default value for stack depth”.</p>



ID	Description
CORE-14349	<p>The conversion to “Log4j 2” could cause <code>java.lang.ClassCastException</code> errors during the deployment of web applications.</p> <p>With the latest release, the <code>LoggerContext</code> is now checked for compatibility. If not, this is now logged with an <i>INFO</i> message in the log instead of an Exception.</p>
CORE-14380	An error has been fixed which, in rare cases, could cause sessions opened with the <code>ServerManager</code> to temporarily remain.
CORE-14386	<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-14391	<p>If the parameters of the <code>fs-server.conf</code> file have invalid values, this is now documented with a <i>WARN</i> message in the log. In the past, only one <i>DEBUG</i> was logged.</p> <p>Example: WARN 13.05.2022 12:50:48.310 (de.espirit.firstspirit.server.ServerManagerImpl): wrong numerical format for property memory.limit: '95x'</p>
CXT-1910	<p>The performance when calling the Amazon Recognition API has been improved.</p> <p>Further information can be found in chapter “ContentCreator: “FirstSpirit Image Recognition” module: Improvement of performance”.</p>
DEVEX-510	<p>With the latest release, the “FirstSpirit Module Gradle Plugin” can no longer be used to generate modules in the “Legacy mode”.</p> <p>Further information can be found in chapter “Administration / Modules: FirstSpirit Module Gradle Plugin: Support for “Legacy mode” has been discontinued”.</p>

7.7 FragmentCreator

ID	Description
CORE-14386	<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>



7.8 Generation

ID	Description
CORE-13705	The generation type detection by the AWS-S3 Deployment module has been improved.
CORE-14353	Furthermore, the possibility to manually define the deployment type (complete synchronization incl. deletion or only uploading of files) in the AWS S3 deployment module has been created. In addition, new methods have been added to the FirstSpirit Developer API in the <code>ScheduleTaskExecutionContext</code> interface. Further information can be found in chapter “Administration: S3 Deployment: Select generation type”.

7.9 Isolated mode

ID	Description
DEVEX-510	With the latest release, the “FirstSpirit Module Gradle Plugin” can no longer be used to generate modules in the “Legacy mode”. Further information can be found in chapter “Administration / Modules: FirstSpirit Module Gradle Plugin: Support for "Legacy mode" has been discontinued”.

7.10 Logging

ID	Description
CORE-13962	If the relevant revision has been archived, an <i>INFO</i> instead of a <i>WARN</i> is now logged when loading a feature.
CORE-14349	The conversion to “Log4j 2” could cause <code>java.lang.ClassCastException</code> errors during the deployment of web applications. With the latest release, the <code>LoggerContext</code> is now checked for compatibility. If not, this is now logged with an <i>INFO</i> message in the log instead of an Exception.



7.11 Media

ID	Description
CXT-1910	<p>The performance when calling the Amazon Recognition API has been improved.</p> <p>Further information can be found in chapter “ContentCreator: “FirstSpirit Image Recognition” module: Improvement of performance”.</p>

7.12 Module development

ID	Description
DEVEX-510	<p>With the latest release, the “FirstSpirit Module Gradle Plugin” can no longer be used to generate modules in the “Legacy mode”.</p> <p>Further information can be found in chapter “Administration / Modules: FirstSpirit Module Gradle Plugin: Support for “Legacy mode” has been discontinued”.</p>

7.13 Modules

ID	Description
CORE-13705	The generation type detection by the AWS-S3 Deployment module has been improved.
CORE-14353	<p>Furthermore, the possibility to manually define the deployment type (complete synchronization incl. deletion or only uploading of files) in the AWS S3 deployment module has been created. In addition, new methods have been added to the FirstSpirit Developer API in the <code>ScheduleTaskExecutionContext</code> interface.</p> <p>Further information can be found in chapter “Administration: S3 Deployment: Select generation type”.</p>
CORE-14386	<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>
DEVEX-510	With the latest release, the “FirstSpirit Module Gradle Plugin” can no longer be used to generate modules in the “Legacy mode”.



ID	Description
	Further information can be found in chapter “Administration / Modules: FirstSpirit Module Gradle Plugin: Support for "Legacy mode" has been discontinued”.

7.14 Performance

ID	Description
CORE-14333	The new <code>generate.defaultMaxStackSize</code> parameter defines the default value for the stack size. The default value was raised from 50 to 75. Further information can be found in chapter “Administration: Configuring the default value for stack depth”.
CXT-1910	The performance when calling the Amazon Recognition API has been improved. Further information can be found in chapter “ContentCreator: "FirstSpirit Image Recognition" module: Improvement of performance”.

7.15 Project export / import

ID	Description
CORE-13886	With the latest release, you can now check if the available disk space is sufficient when importing a project. Further information can be found in chapter “Administration: Project import: Check disk space”.

7.16 Editor

ID	Description
CXT-2579	In FirstSpirit, elements, such as images, sections, pages, datasets, etc., can be used repeatedly. The term “References” in the title bar of Editing dialogs in the FirstSpirit ContentCreator indicates that the respective element (such as an image) is used on a page or in a dataset (“referenced”).



ID	Description
	With the latest release, all references that are relevant for the editor are now displayed there. In the past, some element types were not included. For elements from remote projects, the name of the remote project is now also displayed.

7.17 ServerManager

ID	Description
CORE-12121	The display of the available web applications and web components has been improved. Further information can be found in chapter “Administration: ServerManager: Display of web applications and web components”.
CORE-13411	An error has been fixed, which, in very rare cases, could cause <i>jar</i> files that are stored in the <code><FirstSpiritROOT>/work/storage/jars</code> directory to be deleted even though they were still needed by FirstSpirit.
CORE-13886	With the latest release, you can now check if the available disk space is sufficient when importing a project. Further information can be found in chapter “Administration: Project import: Check disk space”.
CORE-14380	An error has been fixed which, in rare cases, could cause sessions opened with the ServerManager to temporarily remain.

7.18 ServerMonitoring

ID	Description
CORE-14391	If the parameters of the <code>fs-server.conf</code> file have invalid values, this is now documented with a <i>WARN</i> message in the log. In the past, only one <i>DEBUG</i> was logged. Example: WARN 13.05.2022 12:50:48.310 (de.espirit.firstspirit.server.ServerManagerImpl): wrong numerical format for property memory.limit: '95x'



7.19 SiteArchitect

ID	Description
CORE-12672	When using the “Preview Errors” function, changes of the output channel for the links in Stacktrace are now also taken into account accordingly, so that a direct jump to errors from other output channels is also possible.

7.20 Sessions

ID	Description
CORE-14380	An error has been fixed which, in rare cases, could cause sessions opened with the ServerManager to temporarily remain.

7.21 Web applications

ID	Description
CORE-12121	The display of the available web applications and web components has been improved. Further information can be found in chapter “Administration: ServerManager: Display of web applications and web components”.

