



FirstSpirit™

Unlock Your Content

Release Notes

FirstSpirit™ 2024.11

Status	RELEASED
Department	FS-Core
Copyright	2024 Crownpeak Technology GmbH

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Table of contents

1	Administration.....	4
1.1	Update of internally used software.....	4
2	ContentCreator.....	5
2.1	Preview: Toolbar display of nested elements.....	5
3	FirstSpirit Content Experience Tools (CXT).....	6
3.1	Latest module versions.....	6
4	AI-powered tools.....	7
4.1	AI-powered tools: Analyze Assistant.....	7
5	SiteArchitect / ServerManager.....	7
5.1	Java version update.....	7
6	Deprecations.....	8
7	Overview.....	10
8	Categories.....	13
8.1	Content Transport.....	13
8.2	ContentCreator.....	13
8.3	DQM Connect.....	14
8.4	FirstSpirit Content Experience Tools (CXT).....	14
8.5	FirstSpirit Omnichannel Manager.....	14
8.6	FirstSpirit API.....	14



8.7	Integrated software.....	15
8.8	Support for JSON.....	15
8.9	AI-powered tools.....	15
8.10	Launcher.....	15
8.11	Logging.....	16
8.12	Remote Data.....	16
8.13	Server Administrator.....	16
8.14	ServerManager.....	16
8.15	Security.....	17
8.16	SiteArchitect.....	17
8.17	Template Development.....	17
8.18	Template Development for ContentCreator.....	17
8.19	Preview.....	17
8.20	Web server.....	18



1 Administration

1.1 Update of internally used software

As of the release 2024.11, the following internally used software has been updated.

- **Apache Batik** (Display, creation and manipulation of scalable vector graphics, SVG)
Updated from version 1.16 to version 1.17
- **org.apache.pdfbox:pdfbox** (The internally used library with the Maven coordinates)
Updated to version 3.0.3
- The dependency **org.bouncycastle:bcprov-jdk15** has been removed from FirstSpirit.
- **Apache Commons-Logging**
Updated to version 1.3.3
- The internal **search engine** based on **Apache Lucene** has been moved from the FirstSpirit server into a separate module that is automatically installed. As a result, the following libraries of the Apache project are no longer available:
 - Lucene
 - PDFBox
 - FontBox
 - POI
- Furthermore, the following internal dependencies have been updated:
 - Apache Commons Codec (1.15 --> 1.17.1)
 - Apache Commons Compress (1.21 --> 1.27.1)
 - Apache Commons IO (2.11.0 --> 2.16.1)
 - Apache Commons Lang (3.12.0 --> 3.16.0)

This can affect modules that use legacy resources or custom scripts that utilize classes from the library.



Please note the general advice that when developing modules or scripts, only the **FirstSpirit API** should be used. When using third-party libraries, they should be integrated as "isolated".

- **Eclipse Jetty** (contained in the module `fs-jetty.fsm` / "FirstSpirit Jetty Service")
Update to version 12.0.12
As before, the use of Eclipse Jetty for production purposes is not recommended!

2 ContentCreator

2.1 Preview: Toolbar display of nested elements

The toolbar display of nested elements within the integrated preview has been optimized. Specifically, this refers to merging toolbars that are close together in order to avoid potentially overlapping toolbars as much as possible.

With the help of the following attributes, the appearance of the toolbar can be customized.

data-toolbar-merge: This allows you to control the merging of the toolbar for a specific element.

Possible values:

- `true` (default)
- `false`

Example:

```
<img$CMS_VALUE(editorId(editorName:"st_reference"))$  
  src="$CMS_REF(st_reference)$"  
  data-toolbar-merge="false" />
```

data-toolbar-enabled: This allows a toolbar for an element to be completely disabled. The inline editing remains unaffected.

Possible values:

- `true` (default)
- `false`



Example:

```
<img$CMS_VALUE(editorId(editorName:"st_reference"))$
  src="$CMS_REF(st_reference)$"
  data-toolbar-enabled="false" />
```

data-toolbar-alignment: This allows the position of the toolbar to be controlled.

Possible values:

- top (default)
- bottom (default for FS_REFERENCE)

Example:

```
<div$CMS_VALUE(editorId(element:media))$ data-toolbar-alignment="bottom" ...
```

3 FirstSpirit Content Experience Tools (CXT)

3.1 Latest module versions

FirstSpirit 2024.11 supports the following module versions for FirstSpirit Content Experience Tools.

Module / file name	Version number
FirstSpirit CXT Plattform platform-[version].fsm	6.1.9
FirstSpirit CXT DAP Bridge dataservice-[version].fsm	1.44.27
FirstSpirit CXT FragmentCreator fragment-creator-[version].fsm	5.0.14
FirstSpirit Fragment DAP fragmentdap-[version].fsm	1.40.35
FirstSpirit Media DAP mediadap-[version].fsm	1.31.25
FirstSpirit PageRef DAP pageref-[version].fsm	1.9.25



FirstSpirit Markdown Editor	1.29.25
markdown-editor-[version].fsm	
FirstSpirit Tagging Editor	1.29.25
tagging-editor-[version].fsm	
FirstSpirit CXT FragmentCreator - CaaS Integration	1.31.24
caas-integration-[version].fsm	
FirstSpirit Image Assistant	1.0.54
imagerecognition-module-[version].fsm	
FirstSpirit Analyze Assistant	0.9.5
FirstSpirit-AiAnalyze-[version].fsm	
Template Development MicroApp	0.9.35
fs-sitedev-microapp-[version].fsm	
FirstSpirit Multisite Management	0.30.8
fs-multisite-[version].fsm	

4 AI-powered tools

4.1 AI-powered tools: Analyze Assistant

The **Analyze Assistant** helps the editor in the ContentCreator to carry out text-related analyses on the displayed page in the current language and to directly implement the suggested improvements.

With the current FirstSpirit version, the **Analyze Assistant** is officially released.

For more information, see the [documentation for the Analyze Assistant](#).

Note: A corresponding license is required to use the Analyze Assistant as well as other AI-powered tools.

5 SiteArchitect / ServerManager

5.1 Java version update

The FirstSpirit desktop apps (FirstSpirit SiteArchitect and ServerManager) are started and updated (rolled out) via the **FirstSpirit Launcher**.



The “**FirstSpirit Launcher JRE**” module enables customers and partners to easily switch between different Java versions for the operation of Java-based applications. The desired Java version can be selected server-wide for Microsoft Windows and macOS separately.

The included Java versions have been updated with the current release.

- 17.0.11+9 -> 17.0.12+7
(Default - the version delivered with the FirstSpirit Launcher)
- 21.0.3+9 -> 21.0.4+7

6 Deprecations

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

However - not least in order to ensure maintainability and to future-proof the software - e-Spirit cannot fully avoid replacing existing functionality with new mechanisms. In the future, functionality that will be removed from the software will be listed in this section, including the date at which time the functionality will be removed.

Functionality	Deprecated as of	Will be removed/ Was removed as of
Input component CMS_INPUT_CONTENTAREALIST	5.2R3	
Input component CMS_INPUT_CONTENTLIST	5.2R3	
Input component CMS_INPUT_FILE	5.2R3	
Input component CMS_INPUT_LINKLIST	5.2R3	
Input component CMS_INPUT_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 Access 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 Access API: getLastLoginAsDate (de.espirit.firstspirit.agency.UserStatisticsAgent)	2018-07	
FirstSpirit Access API: remainingDurationOfCurrentStageInMillis (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Access 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 Access API: getLostAndFoundStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Access 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 Access API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	

7 Overview

ID	Description	Categories
CORE-12323	With the current FirstSpirit release, the new interface <code>FeatureToggleAgent</code> (package <code>de.espirit.firstspirit.agency</code>) is available.	FirstSpirit API
CORE-14405	In the event of a change to the group name or user login, a security prompt will appear asking whether the change should still be made, as it may have implications for other contexts (such as transitions in workflows).	ServerManager
CORE-15699	When linking elements from remote projects that are available for download, an incorrect filename was suggested for saving. This only referred to the preview and not to the live version.	Preview
CORE-15915	After changing the sorting in the list view for media, incorrect tooltips were displayed and the context actions used the wrong element.	SiteArchitect
CORE-16089	A problem when exporting permissions with ContentTransport for subtrees with multiple elements has been resolved.	Content Transport
CORE-16190	During the generation of JSON outputs, a potential error in processing metadata was fixed.	Support for JSON



ID	Description	Categories
CORE-16395	When deleting projects, the project properties of remote connections are now being cleaned up. These changes can be immediately seen in the SiteArchitect under the schema properties tab. Furthermore, "*No Access*" will now be displayed there if a user does not have the appropriate rights.	Remote Data
CORE-16426	A problem with datasets incorrectly marked as changed after deploying a ContentTransport feature into a target project was fixed.	Content Transport
CORE-16442	Uploading updated server JARs through ServerMonitoring (FirstSpirit / Control / Update) was not possible. This issue has been resolved.	Server Administrator
CORE-16519	The interface <code>ModuleAdminAgent</code> (package <code>de.espirit.firstspirit.agency</code>) has been enhanced with the methods <code>install(InputStream, UpdateUsagesMode)</code> and <code>uninstall(String, UpdateUsagesMode)</code> , which allow for a more precise definition of behavior when installing and uninstalling modules with web components.	FirstSpirit API
CORE-16528	With the current release, the Java versions have been updated. Further information can be found in chapter "SiteArchitect / ServerManager: Java version update".	Launcher
CORE-16533 CORE-16392 CORE-16505 CORE-16534	Update of internally used software Further information can be found in chapter "Administration: Update of internally used software".	Integrated software
CORE-16541	The technical information on the homepage, such as the versions of Java and Tomcat used, is now only visible to authenticated users.	Security
CORE-16560	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".	FirstSpirit Content Experience Tools (CXT)
CORE-16564	The version of the integrated web server module "Embedded Tomcat" has been updated to 10.1.30.	Web server



ID	Description	Categories
CORE-16566	When using the SLF4J API, logging messages made in the context of SiteArchitect and ServerManager were not processed.	Logging
CORE-16584	With the current version of FirstSpirit, the Analyze Assistant is officially released. Further information can be found in chapter “AI-powered tools: AI-powered tools: Analyze Assistant”.	AI-powered tools
CORE-16606	A problem with unremoved resources and threads when using FirstSpirit connections in HTTP mode has been resolved.	Server Administrator
CXT-3307	The toolbar display of nested elements within the integrated preview has been optimized. Further information can be found in chapter “ContentCreator: Preview: Toolbar display of nested elements”.	ContentCreator, Template Development
CXT-3315	In the DOM editor, spaces after bold/italic formatting were not correctly visualized.	ContentCreator
CXT-3317	In the DOM editor, there was an issue where selected text passages at the beginning or end of a block format were not removed correctly.	ContentCreator
CXT-3358	For OCM 3.0, the cropping function is now offered on elements with the attribute <code>data-tpc-context-image-resolution</code> . By specifying the HTML attribute <code>data-toolbar-enabled="true"</code> , the toolbar for individual input components, which are not shown by default for performance reasons, can be activated independently.	FirstSpirit Omnichannel Manager
CXT-3359	During new installation of the FirstSpirit Template Development MicroApp module (<code>fs-sitedev-microapp.fsm</code>), a global WebApp is now automatically added.	Template Development for ContentCreator
CXT-3365	On macOS systems, there could be issues with drag and drop into the external preview application in certain cases.	ContentCreator
CXT-3371	A problem has been resolved where preview actions were not displayed when using the Jetty Web Server intended for development scenarios.	ContentCreator
CXT-3386	In the ContentCreator, an error could occur when merged empty table cells were saved.	ContentCreator



ID	Description	Categories
DQMMOD-47	Fixed an error in the DQM connector module that occurred when jumping to an HTML element with a CSS class containing a colon. This error could arise when using CSS libraries like Tailwind.	DQM Connect

8 Categories

8.1 Content Transport

ID	Description
CORE-16089	A problem when exporting permissions with ContentTransport for subtrees with multiple elements has been resolved.
CORE-16426	A problem with datasets incorrectly marked as changed after deploying a ContentTransport feature into a target project was fixed.

8.2 ContentCreator

ID	Description
CXT-3307	The toolbar display of nested elements within the integrated preview has been optimized. Further information can be found in chapter “ContentCreator: Preview: Toolbar display of nested elements”.
CXT-3315	In the DOM editor, spaces after bold/italic formatting were not correctly visualized.
CXT-3317	In the DOM editor, there was an issue where selected text passages at the beginning or end of a block format were not removed correctly.
CXT-3365	On macOS systems, there could be issues with drag and drop into the external preview application in certain cases.
CXT-3371	A problem has been resolved where preview actions were not displayed when using the Jetty Web Server intended for development scenarios.
CXT-3386	In the ContentCreator, an error could occur when merged empty table cells were saved.



8.3 DQM Connect

ID	Description
DQMMOD-47	Fixed an error in the DQM connector module that occurred when jumping to an HTML element with a CSS class containing a colon. This error could arise when using CSS libraries like Tailwind.

8.4 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-16560	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".</p>

8.5 FirstSpirit Omnichannel Manager

ID	Description
CXT-3358	For OCM 3.0, the cropping function is now offered on elements with the attribute "data-tpp-context-image-resolution". By specifying the HTML attribute <code>data-toolbar-enabled="true"</code> , the toolbar for individual input components, which are not shown by default for performance reasons, can be activated independently.

8.6 FirstSpirit API

ID	Description
CORE-12323	With the current FirstSpirit release, the new interface <code>FeatureToggleAgent</code> (package <code>de.espirit.firstspirit.agency</code>) is available.
CORE-16519	The interface <code>ModuleAdminAgent</code> (package <code>de.espirit.firstspirit.agency</code>) has been enhanced with the methods <code>install(InputStream, UpdateUsagesMode)</code> and <code>uninstall(String, UpdateUsagesMode)</code> , which allow for a more precise definition of behavior when installing and uninstalling modules with web components.



8.7 Integrated software

ID	Description
CORE-16533	Update of internally used software
CORE-16392	
CORE-16505	Further information can be found in chapter “Administration: Update of internally used software”.
CORE-16534	

8.8 Support for JSON

ID	Description
CORE-16190	During the generation of JSON outputs, a potential error in processing metadata was fixed.

8.9 AI-powered tools

ID	Description
CORE-16584	With the current version of FirstSpirit, the Analyze Assistant is officially released. Further information can be found in chapter “AI-powered tools: AI-powered tools: Analyze Assistant”.

8.10 Launcher

ID	Description
CORE-16528	With the current release, the Java versions have been updated. Further information can be found in chapter “SiteArchitect / ServerManager: Java version update”.



8.11 Logging

ID	Description
CORE-16566	When using the SLF4J API, logging messages made in the context of SiteArchitect and ServerManager were not processed.

8.12 Remote Data

ID	Description
CORE-16395	When deleting projects, the project properties of remote connections are now being cleaned up. These changes can be immediately seen in the SiteArchitect under the schema properties tab. Furthermore, "***No Access***" will now be displayed there if a user does not have the appropriate rights.

8.13 Server Administrator

ID	Description
CORE-16442	Uploading updated server JARs through ServerMonitoring (FirstSpirit / Control / Update) was not possible. This issue has been resolved.
CORE-16606	A problem with unremoved resources and threads when using FirstSpirit connections in HTTP mode has been resolved.

8.14 ServerManager

ID	Description
CORE-14405	In the event of a change to the group name or user login, a security prompt will appear asking whether the change should still be made, as it may have implications for other contexts (such as transitions in workflows).



8.15 Security

ID	Description
CORE-16541	The technical information on the homepage, such as the versions of Java and Tomcat used, is now only visible to authenticated users.

8.16 SiteArchitect

ID	Description
CORE-15915	After changing the sorting in the list view for media, incorrect tooltips were displayed and the context actions used the wrong element.

8.17 Template Development

ID	Description
CXT-3307	The toolbar display of nested elements within the integrated preview has been optimized. Further information can be found in chapter “ContentCreator: Preview: Toolbar display of nested elements”.

8.18 Template Development for ContentCreator

ID	Description
CXT-3359	During new installation of the FirstSpirit Template Development MicroApp module (<code>fs-sitedev-microapp.fsm</code>), a global WebApp is now automatically added.

8.19 Preview

ID	Description
CORE-15699	When linking elements from remote projects that are available for download, an incorrect filename was suggested for saving. This only referred to the preview and not to the live version.



8.20 Web server

ID	Description
CORE-16564	The version of the integrated web server module "Embedded Tomcat" has been updated to 10.1.30.

