



# FirstSpirit™

*Unlock Your Content*

## Release Notes

### FirstSpirit™ 2022.13

<b>Status</b>	<b>RELEASED</b>
Department	FS-Core
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## 1 Administration

### 1.1 Update of internally used software

As of the release 2023.2, the following internally used software will be updated.

- **Apache Commons IO** (library with operations for file inputs and outputs)  
Update from version 1.3.2 to version 2.11.0
- **Apache Commons Lang**  
Update to version 3.12.0

! Modules that still use “Legacy Mode” and the library accessible (in this mode) via FirstSpirit may need to be adapted accordingly.

Note: Since “Legacy Mode” is no longer supported, affected modules should be switched to “Isolated Mode” if possible (see <https://docs.e-spirit.com/odfs/edocs/modd/module-developm/index.html>).

## 2 Administration / Modules

### 2.1 Launcher: Preferred debug port

Previously, developers were able to configure the launcher with the option `-DclientDebugging=true` via `{FS-Launcher installation path}/FSLauncher.vmoptions` file so that a random debug port would be opened.

The current release allows for specifying a preferred port with `-DpreferredClientDebugPort=5005`. If the port is already in use, a random port is used instead.

Example configuration:

```
-DclientDebugging=true  
-DpreferredClientDebugPort=5005
```



**Note:** The configuration is imported only once, when the FirstSpirit Launcher application is starting up. Therefore any changes to the configuration are not taken into account until after FirstSpirit Launcher restarts.

## 3 FirstSpirit Content Experience Tools (CXT)

### 3.1 Latest module versions

FirstSpirit 2022.13 supports the following module versions for “FirstSpirit Content Experience Tools”.

Module / file name	Version number
FirstSpirit CXT Plattform platform-[version].fsm	3.0.1
FirstSpirit CXT DAP Bridge dataservice-[version].fsm	1.44.9
FirstSpirit CXT FragmentCreator fragment-creator-[version].fsm	4.0.1
FirstSpirit Fragment DAP fragmentdap-[version].fsm	1.40.14
FirstSpirit Media DAP mediadap-[version].fsm	1.31.8*
FirstSpirit PageRef DAP pagerefdap-[version].fsm	1.9.8
FirstSpirit Markdown Editor markdown-editor-[version].fsm	1.29.7*
FirstSpirit Tagging Editor tagging-editor-[version].fsm	1.29.7
FirstSpirit CXT FragmentCreator - CaaS Integration caas-integration-[version].fsm	1.31.8

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

### 3.2 Management page for MicroApps

Under



```
/management
```

(appended to the URL of the platform), a management page can be reached that can be used to configure the availability of the MicroApps, for example:

```
http://myServer:8080/cxt-platform/management
```

In addition, MicroApps can also define actions that are available to users. These actions can also be configured on the management page.

To save the configuration settings, the optional parameter `cxt.platform.management.persistence.persistenceFile` with the desired path to the persistence file is to be specified in the configuration file `cxt-platform.properties`.

The status page can only be accessed by administrators.

## 4 Template development

### 4.1 Standard syntax for executing a source code from another output channel

In complex templates it can be useful to outsource identical calculations for several output channels to a technical output channel so that these can be managed centrally. Until now, a template type specific `$_CMS_VALUE ( ) $` call had to be used for this.

This syntax has been simplified to

```
$_CMS_RENDER(#this,templateSet:"<Reference name of the output channel>")$
```

The complete source code of the specified output channel is then generated at the corresponding point, whereby variables existing in the current context can be used and there newly generated variables are available afterwards in the current output channel.

If another template is called within the switched output channel, this is also evaluated in the specified output channel.



This behaviour can be influenced via the parameter `pinTemplateSet`. With the default value `true`, the template remains in the specified output channel, with `false`, the called template is used in the original output channel.

Example:

```
$CMS_RENDER(#this,templateSet:"logicChannel",pinTemplateSet:true)$
```

## 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	
FirstSpirit Developer API: de.espirit.firstspirit.agency.GroupsAgent	5.2R15	



Functionality	Deprecated as of	Will be removed/ Was removed as of
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	
WebSphere Application Server support for FirstSpirit	2019-05	





Functionality	Deprecated as of	Will be removed/ Was removed as of
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-12667	<p>With the current FirstSpirit version it is possible to execute a source code from another output channel using a standard syntax.</p> <p>Further information can be found in chapter “Template development: Standard syntax for executing a source code from another output channel”.</p>	Template Development
CORE-13813	When a dataset was released via a workflow, two release events have been generated. One for the actual release and one for the removal of the workflow from the element. This second event is now no longer generated.	Workflow
CORE-14472 CORE-14475	<p>Update of internally used software</p> <p>Further information can be found in chapter “Administration: Update of internally used software”.</p>	Integrated software
CORE-14721	Support for working in projects with very many languages has been improved within the SiteArchitect.	SiteArchitect
CORE-14738	When using the “SAP Login” Module (“SAP Business Package for FirstSpirit”), a <code>NoClassDefFoundError</code> could occur despite correct configuration. The corresponding class loading problems have been solved.	Modules



ID	Description	Categories
CORE-14760	The “FirstSpirit SearchFilter” module is now permanently integrated in the FirstSpirit server. After upgrading to the current version, the old module is automatically deleted.	FirstSpirit Administrator, Modules
CORE-14775	Syncing files between a local generation directory and a S3 bucket using the AWS S3 Deployment module was improved. If a local file cannot be opened for reading, the file is excluded from the sync.	AWS S3 Deployment
CORE-14817	When calling the method <code>getExclusionNodeList()</code> (FirstSpirit Access-API, Package <code>de.espirit.firstspirit.access.packagepool</code> , Interface <code>Subscription</code> ) an error could occur. This has been fixed.	FirstSpirit API
CORE-14830	A preferred debug port can be configured via the parameter <code>DpreferredClientDebugPort</code> .  Further information can be found in chapter “Administration / Modules: Launcher: Preferred debug port”.	Developer, Launcher
CORE-14836	The maintaining of groups in the ServerManager has been improved.	FirstSpirit Administrator
CORE-14842	If Executables from a module are used in a workflow, custom exception types from the module can now also be used there to signal an error state in the workflow.	Developer, Workflow
CORE-14847	An error has been fixed that caused <i>tff</i> files to be incorrectly marked with the file type <i>emf</i> by FirstSpirit. Newly uploaded TrueType fonts are now correctly marked with the file type <i>tff</i> again.	Media
CORE-14859	An error with the display of web applications ( <code>NullPointerException</code> ) in ServerManager was fixed.	FirstSpirit Administrator
CORE-14863	An error has been fixed that could lead to filehandles opened by FirstSpirit not being closed correctly.	FirstSpirit Administrator
CORE-14867	Fixed a bug that could lead to slow loading of pages in very rare cases (deadlock in <code>DefaultStoreElement#_refreshElements</code> ).	Developer



ID	Description	Categories
CORE-14878	<p>The search in the FirstSpirit SiteArchitect was adjusted, so that the search results now better meet the expectations from a technical perspective in cases where the search string contains special characters (except umlauts). This partially results in that more and better results containing special characters are found without having to use quotation marks.</p> <p>Please note that corresponding special characters are not taken into account for the search, which means they do not influence the search result.</p>	ContentCreator, Editor, Search
CORE-14939	<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>	FirstSpirit Content Experience Tools (CXT)
CORE-14941	When redeploying WebApps assembled with FirstSpirit, a classloading problem could occur in rare cases.	FirstSpirit Administrator
CXT-2049	The welcome tour was not shown properly, if the documented features were disabled using the TailoredUI configuration.	ContentCreator
CXT-2719	<p>Management page for MicroApps</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Management page for MicroApps”.</p>	FirstSpirit Content Experience Tools (CXT)

## 7 Categories

### 7.1 Workflow

ID	Description
CORE-13813	When a dataset was released via a workflow, two release events have been generated. One for the actual release and one for the removal of the workflow from the element. This second event is now no longer generated.
CORE-14842	If Executables from a module are used in a workflow, custom exception types from the module can now also be used there to signal an error state in the workflow.



## 7.2 AWS S3 Deployment

ID	Description
CORE-14775	Syncing files between a local generation directory and a S3 bucket using the AWS S3 Deployment module was improved. If a local file cannot be opened for reading, the file is excluded from the sync.

## 7.3 ContentCreator

ID	Description
CORE-14878	<p>The search in the FirstSpirit SiteArchitect was adjusted, so that the search results now better meet the expectations from a technical perspective in cases where the search string contains special characters (except umlauts). This partially results in that more and better results containing special characters are found without having to use quotation marks.</p> <p>Please note that corresponding special characters are not taken into account for the search, which means they do not influence the search result.</p>
CXT-2049	The welcome tour was not shown properly, if the documented features were disabled using the TailoredUI configuration.

## 7.4 Developer

ID	Description
CORE-14830	<p>A preferred debug port can be configured via the parameter <code>-DpreferredClientDebugPort</code>.</p> <p>Further information can be found in chapter "Administration / Modules: Launcher: Preferred debug port".</p>
CORE-14842	If Executables from a module are used in a workflow, custom exception types from the module can now also be used there to signal an error state in the workflow.
CORE-14867	Fixed a bug that could lead to slow loading of pages in very rare cases (deadlock in <code>DefaultStoreElement#_refreshElements</code> ).



## 7.5 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-14939	<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-2719	<p>Management page for MicroApps</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Management page for MicroApps”.</p>

## 7.6 FirstSpirit Administrator

ID	Description
CORE-14760	The “FirstSpirit SearchFilter” module is now permanently integrated in the FirstSpirit server. After upgrading to the current version, the old module is automatically deleted.
CORE-14836	The maintaining of groups in the ServerManager has been improved.
CORE-14859	An error with the display of web applications ( <code>NullPointerException</code> ) in ServerManager was fixed.
CORE-14863	An error has been fixed that could lead to filehandles opened by FirstSpirit not being closed correctly.
CORE-14941	When redeploying WebApps assembled with FirstSpirit, a classloading problem could occur in rare cases.

## 7.7 FirstSpirit API

ID	Description
CORE-14817	When calling the method <code>getExclusionNodeList()</code> (FirstSpirit Access-API, Package <code>de.espirit.firstspirit.access.packagepool</code> , Interface <code>Subscription</code> ) an error could occur. This has been fixed.



## 7.8 Integrated software

ID	Description
CORE-14472	Update of internally used software
CORE-14475	Further information can be found in chapter “Administration: Update of internally used software”.

## 7.9 Launcher

ID	Description
CORE-14830	A preferred debug port can be configured via the parameter <code>-DpreferredClientDebugPort</code> .  Further information can be found in chapter “Administration / Modules: Launcher: Preferred debug port”.

## 7.10 Media

ID	Description
CORE-14847	An error has been fixed that caused <i>tff</i> files to be incorrectly marked with the file type <i>emf</i> by FirstSpirit. Newly uploaded TrueType fonts are now correctly marked with the file type <i>tff</i> again.

## 7.11 Modules

ID	Description
CORE-14738	When using the “SAP Login” Module (“SAP Business Package for FirstSpirit”), a <code>NoClassDefFoundError</code> could occur despite correct configuration. The corresponding class loading problems have been solved.
CORE-14760	The “FirstSpirit SearchFilter” module is now permanently integrated in the FirstSpirit server. After upgrading to the current version, the old module is automatically deleted.



## 7.12 Editor

ID	Description
CORE-14878	<p>The search in the FirstSpirit SiteArchitect was adjusted, so that the search results now better meet the expectations from a technical perspective in cases where the search string contains special characters (except umlauts). This partially results in that more and better results containing special characters are found without having to use quotation marks.</p> <p>Please note that corresponding special characters are not taken into account for the search, which means they do not influence the search result.</p>

## 7.13 SiteArchitect

ID	Description
CORE-14721	Support for working in projects with very many languages has been improved within the SiteArchitect.

## 7.14 Search

ID	Description
CORE-14878	<p>The search in the FirstSpirit SiteArchitect was adjusted, so that the search results now better meet the expectations from a technical perspective in cases where the search string contains special characters (except umlauts). This partially results in that more and better results containing special characters are found without having to use quotation marks.</p> <p>Please note that corresponding special characters are not taken into account for the search, which means they do not influence the search result.</p>

## 7.15 Template Development

ID	Description
CORE-12667	With the current FirstSpirit version it is possible to execute a source code from another output channel using a standard syntax.



ID	Description
	Further information can be found in chapter “Template development: Standard syntax for executing a source code from another output channel”.

