



FirstSpirit™

Unlock Your Content

Release Notes

FirstSpirit™ 2022.1

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

e-Spirit AG

Stockholmer Allee 24
44269 Dortmund | Germany

T +49 231 . 477 77-0
F +49 231 . 477 77-499

info@e-Spirit.com
www.e-Spirit.com

e-Spirit

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1 Administration

1.1 Omission of the integrated “InternalJetty” web server

Just like the FirstSpirit-Core, the use of third-party components is subject to intensive quality assurance. A plethora of supported operating systems, Java versions, interfaces to third-party systems and their combination and configuration options lead to an extremely high test complexity. In order to be able to ensure good serviceability and sustainability for the further development of FirstSpirit, the support for components that are no longer supported and/or used in regular intervals is discontinued. During a transitional period, customers and partners are given sufficient time to switch the operation, including with support provided by e-Spirit Technical Support, to alternative solutions. In the final step, the software code for components that are no longer supported will then be removed.

For the integrated “InternalJetty” web server, this last step was completed with the latest FirstSpirit Release.

The functionality has no longer been supported since August 2018 (2018-08) and has been discontinued by e-Spirit for quite some time.

The use of an external web server (specifically “Apache Tomcat”) is recommended as a substitution. For new installations of FirstSpirit as of Release 2022.1, the “Jetty Web Server” is used as a web server as standard. This is a system module that is included in FirstSpirit (“FirstSpirit Jetty Server”). A configuration is possible using this module (FirstSpirit ServerManager / Server properties/ Modules / “FirstSpirit Jetty Server”).

 The use of the “Jetty Web Server” is **not** suitable for live operation and should only be used for tests.

Notes for existing FirstSpirit installations (migration)

A migration only affects on-premise customers and should already have been completed.

In the rare case that the “InternalJetty” is still configured for one or more web applications, a corresponding note has been displayed on the FirstSpirit start page for FirstSpirit administrators (“Application(s) of the internal Jetty detected...”).

If an external web server is not already being used, then **before** an update to FirstSpirit 2022.1, the “InternalJetty” must be deactivated (`INTERNAL_SERVLET_ENGINE=0` parameter in the `fs-server.conf` file) and “FirstSpirit Jetty Server” must be activated and configured as web server.



With an update to FirstSpirit 2022.1, web applications that are still using the “InternalJetty” will be migrated automatically to the web server that is configured for the FirstSpirit default application “FirstSpirit start page” (`fs5root`). If this is not possible, the web applications are migrated to the “FirstSpirit Jetty Server”.

For more information about the migration of a web server, see https://docs.e-spirit.com/odfs/edocs/admin/firstspirit-ser/server-properti/web-server/index.html#migrieren_eines_webserver.

Fallback generation directory

If no web server is configured or for web servers of type “Tomcat” no web directory is specified (= the field “Web directory” is empty), a generation is done (as before) automatically into the directory

```
~/web/fs5staging
```

The screenshot shows a 'Configure' dialog box with the following fields:

- Web server URL
- Internal web server URL
- Web directory (highlighted with a red dashed box)
- Tomcat user: firstspirit
- Tomcat password
- Tomcat manager URLs: http://localhost:5208/manager/text

Buttons for 'OK' and 'Cancel' are visible at the bottom.

The directory `~/web` served so far as generation directory of the “InternalJetty” and will be omitted in the future completely.

Therefore it is planned to adapt also the fallback generation directory with a future release accordingly. In order to be able to determine more easily now whether the `~/web` directory is still used in projects, with FirstSpirit 2022.1 the following will be recorded in the log in the case of a fallback (log level `INFO`):

```
Fallback to web directory:[...]
```

Removing parameters and files that are no longer needed

The following parameters in the `fs-server.conf` are no longer needed and should be removed when the “InternalJetty” is no (longer) used:



```

INTERNAL_SERVLET_ENGINE
# root directory of all web applications
WEB_DIR
# WEBAPP_xyz_PATH: directory of this web application
WEBAPP_ROOT_PATH
WEBAPP_WEBEDIT5_PATH
WEBAPP_WEBMON_PATH
WEBAPP_STAGING_PATH
WEBAPP_PREVIEW_PATH
WEBAPP_WEBEDIT_PATH

```

Likewise, the `fs-webapp.xml` file is no longer needed and can be removed.

1.2 Modules and extensions for FirstSpirit 2022.1

The following modules and extensions are compatible with FirstSpirit 2022.1:

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	1.0.43	as of FirstSpirit 2018-08
FirstSpirit Launcher JRE module fs-launcher-jre- [version].fsm	1.19	as of FirstSpirit 2020-11
FirstSpirit SAML Login module fs-saml-login- [version].fsm	1.3	as of FirstSpirit 2019-02
FSDevTools fs-cli-[version].tar.gz fs-cli-[version].zip	3.1.0	as of FirstSpirit 2021-07
FirstSpirit Module Gradle Plugin	3.0.2	as of FirstSpirit 2019-06



```
firstspirit-module-  
gradle-plugin-  
[version].jar
```

2 General

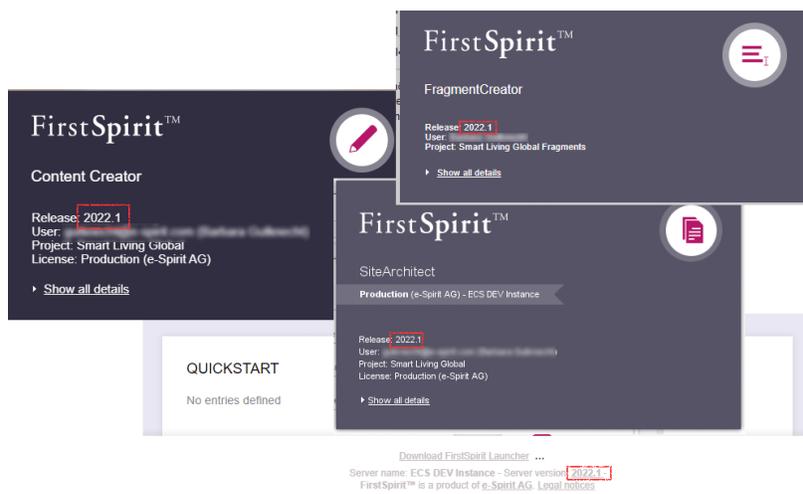
2.1 New release name schema

With FirstSpirit 2021-09, the release interval was changed from monthly to every 4 weeks. At the turn of the year to 2022, the name of the release has now been adjusted to this condition: to create releases with more flexibility, the release name is no longer based on the digits of the month (e.g. FirstSpirit 2021-12) but uses 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.



You will continue to receive information on new releases in the Community. FirstSpirit instances of Cloud customers are automatically updated to the respective latest release (as part of the so-called “Patch Days”).



3 ContentCreator

3.1 Navigation: Tree display is now clearer and better arranged

The navigation bar, which can be opened on the left-hand side of the screen, maps the hierarchical structure of the site (“Navigation” tab) or the page currently selected (“Page” tab) in a clear tree structure.

Various information about the elements of the navigation bar is visualized in form of icons, e.g. the workflow status, if metadata has been set, etc.

With the latest release, the display has been revised:

- While the element type icons continue to be displayed in front of the respective node, all other icons are now displayed **after** the element for better clarity.
- The design of some icons was marginally revised.

Overview of some visualizations:

released	no special visualization	
edited / changed		
in workflow		
start node		
hidden		
metadata defined		

If a corresponding workflow is configured for the project (FirstSpirit ServerManager / Project properties / Options / Workflow to delete elements), menu levels can now also be deleted directly in the navigation bar by using the “Delete” action.

3.2 Tailored UI: Restricting or enabling functions for user groups

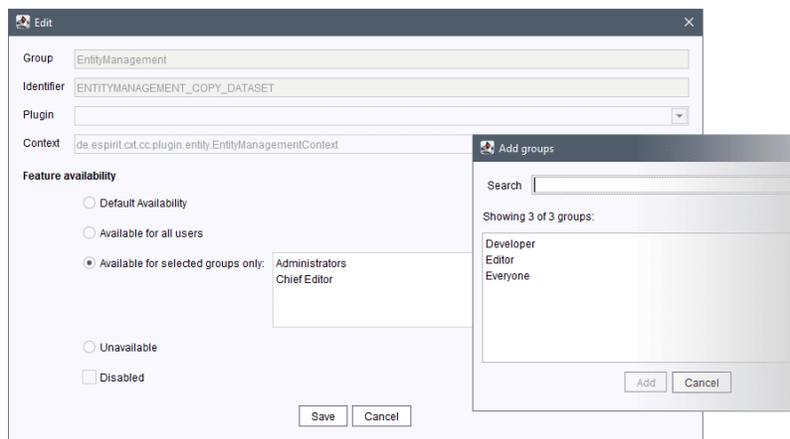
The “Tailored UI” function allows for the project-specific arrangement, hiding, and disabling of functions in the ContentCreator. With this method, the interface of the ContentCreator can be adjusted comfortably to the requirements of each project as well as those of the editors. This is configured using the project



component “CXT ContentCreator: Feature Configuration ProjectApp” (“FirstSpirit ServerManager/Project Properties/Project Components”).

Until now, the configuration affected **all** users of the respective project. With the latest release, the configuration can be limited to specific **user groups**.

The corresponding configuration dialog has now been expanded and marginally adjusted accordingly:



Configuration dialog

By default, the “Default availability” applies to the selected function. The function is thereby generally available to and can be used by all users of the project.

Via the options

- “Available for all users”
- “Available for selected groups only”

it is now possible to choose between an availability for all users on one hand and for users of specific groups on the other.

Available for all users: The function is available for all users of the project.

Available for selected groups only: The function is limited to (one or more) user group(s). The desired groups can be selected using the Plus icon. All groups that are defined for the project are thereby available. See also **Dialog “Add groups”** paragraph.



If groups are defined (groups are shown in the box), they will only be evaluated when the “Available for selected groups only” option is activated.

If no groups are defined (no groups are shown in the box), but the “Available for selected groups only” option is activated, the function is not available to any users (“unavailable”).

Dialog “Add groups”

The list of groups in the “Add groups” dialog is sorted alphabetically. External groups appear at the end of the list.

Groups that are no longer valid (such as deleted groups), are shown in red font.

Configuration on server level

All external groups of known projects are offered in the respective configuration dialog in the **Dialog “Add groups”**.

Whether group restrictions have been made for a function can be checked in the overview.

For more information about the “Tailored UI”, see <https://docs.e-spirit.com/odfs/template-develo/contentcreator/customization/standard-functi/index.html>.

4 FirstSpirit Content Experience Tools (CXT)

4.1 Latest module versions

FirstSpirit 2022.1 supports the following module versions for “FirstSpirit Content Experience Tools”.

Module / file name	Version number
FirstSpirit CXT Plattform platform-[version].fsm	2.5.2
FirstSpirit CXT DAP Bridge dataservice-[version].fsm	1.44.2
FirstSpirit CXT FragmentCreator fragment-creator-[version].fsm	3.4.5
FirstSpirit Fragment DAP fragmentdap-[version].fsm	1.40.5
FirstSpirit Media DAP mediadap-[version].fsm	1.31.3*
FirstSpirit PageRef DAP	1.9.3



pagerefdap-[version].fsm	
FirstSpirit Markdown Editor	1.29.2*
markdown-editor-[version].fsm	
FirstSpirit Tagging Editor	1.29.2
tagging-editor-[version].fsm	
FirstSpirit CXT FragmentCreator - CaaS	1.31.3
Integration	
caas-integration-[version].fsm	

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

5 Module Development, Scripts, API

5.1 "de.espirit.firstspirit.common.GidAgent" expanded with "getGid" method

The new `.getGid` method of the `GidAgent` interface (FirstSpirit Developer API, Package `de.espirit.firstspirit.common`) enables the determination of the GID of elements.

6 Template development

6.1 JSON: Output of metadata in sections

If the output of metadata is activated for the JSON generation via

```
$CMS_SET(#global.json.metaDataRendering, true)$
```

it will now also be included in the output for sections accordingly, e.g.

```
...
  "meta_field": {
    "fsType": "CMS_INPUT_TEXT",
    "name": "meta_field1",
    "value": "content_value1"
  }
...
```



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_OBJECTCHOOSE	5.2R3	
Input component CMS_INPUT_PAGEREF	5.2R3	
Input component CMS_INPUT_PICTURE	5.2R3	
Input component CMS_INPUT_TABLIST	5.2R3	
FirstSpirit Developer API: de.espirit.firstspirit.agency.GroupsAgent	5.2R15	
FirstSpirit Access API: delete (de.espirit.firstspirit.access.AccessUtil)	5.2R18	
FirstSpirit Access API: release (de.espirit.firstspirit.access.AccessUtil)	2018-06	
FirstSpirit Developer API: getLastLoginAsDate (de.espirit.firstspirit.agency.UserStatisticsAgent)	2018-07	



Functionality	Deprecated as of	Will be removed/ Was removed as of
FirstSpirit Developer API: remainingDurationOfCurrentStageInMillis (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Developer API: getStartingTimeOfStageAsDate (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Access API: getSelectedWebserverConfiguration (de.espirit.firstspirit.access.serverConfiguration)	2018-10	
FirstSpirit Access API: setSelectedWebserverConfiguration (de.espirit.firstspirit.access.serverConfiguration)	2018-10	
FirstSpirit Access API: getSelectedWebServer (de.espirit.firstspirit.access.project.Project)	2018-10	
FirstSpirit Access API: setSelectedWebServer (de.espirit.firstspirit.access.project.Project)	2018-10	
FirstSpirit Developer API: getLostAndFoundStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Developer API: getDeletedStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Access API: de.espirit.firstspirit.access.store.Previewable	2019-01	
WebSphere Application Server support for FirstSpirit	2019-05	
Legacy mode for the FirstSpirit server and module development	2019-06	
Control files for Windows and Linux operating systems (old)	2020-08	February 2021
Database layer for Oracle Database 11g/12c	2020-12	



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

8 Overview

ID	Description	Categories
CORE-11930	<p>The search in the FirstSpirit SiteArchitect was adjusted (not only the global search but also the search in data sources), 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>	Content Store, Database, Editor, Search, SiteArchitect
CORE-13277	<p>Output of metadata for sections in the case of JSON generation</p> <p>Further information can be found in chapter “Template development: JSON: Output of metadata in sections”.</p>	Developer, Support for JSON
CORE-13799 CORE-14121	<p>The integrated “InternalJetty” web server, which is no longer supported, has been removed completely from the code.</p> <p>Further information can be found in chapter “Administration: Omission of the integrated “InternalJetty” web server”.</p>	FirstSpirit Administrator, FirstSpirit Jetty Web Server, ServerManager, ServerMonitoring, Web server
CORE-13802	<p>New release name schema</p> <p>Further information can be found in chapter “General: New release name schema”.</p>	Developer, Editor, FirstSpirit Administrator



ID	Description	Categories
CORE-14042	An error has been fixed that led to that after using the <code>RenderingAgents</code> , the ID of the generated node was incorrectly included in the output in the log (<code>. . . {g-node=###} . . .</code>).	Developer, FirstSpirit API, Template Development
CORE-14072	In rare cases, the presence of an inconsistent child list (“Child not found”) led to a log entry of the <code>ERROR</code> level. This behavior was adjusted, so that this will now consistently lead to log entries of the <code>WARN</code> level.	Debugging, Developer
CORE-14074	Some inquiries to the server received a timeout of one minute. This ensures that a missing answer to these inquiries does not result in that the corresponding thread is waiting continuously.	FirstSpirit Administrator, Performance, Web server
CORE-14076	Modules and extensions for FirstSpirit 2022.1 Further information can be found in chapter “Administration: Modules and extensions for FirstSpirit 2022.1”.	Developer, FSDevTools, FirstSpirit Administrator, Launcher, Modules
CORE-14086	In very rare cases, a deadlock could occur in the client - server communication and subsequent freezing of the <code>SiteArchitect</code> . This occurred when a service or manager call was made where its parameter serialization triggered another server call. This problem has been corrected.	Editor, FirstSpirit Administrator, SiteArchitect
CORE-14088	An error has been fixed which could lead to an increased memory requirement due to outdated (project-local) FirstSpirit web applications on an Apache Tomcat web server.	FirstSpirit Administrator, Web server
CORE-14106	The <code>de.espirit.firstspirit.common.GidAgent</code> interface was expanded with the <code>getGid</code> method. Further information can be found in chapter “Module Development, Scripts, API: “de.espirit.firstspirit.common.GidAgent” expanded with “getGid” method ”.	Developer, FirstSpirit API
CORE-14107	Adjustments have been made to logging to eliminate a memory leak that occurred in rare cases.	Debugging, Developer, FirstSpirit Administrator



ID	Description	Categories
CORE-14117	<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
CXT-1799	<p>With the latest release the availability of functions that can be configured using the “Tailored UI” is limited to specific user groups.</p> <p>Further information can be found in chapter “ContentCreator: Tailored UI: Restricting or enabling functions for user groups”.</p>	ContentCreator, Developer, FirstSpirit Administrator, Modules, Permissions
CXT-2398	<p>Some comments in the version history for actions that were carried out in the FirstSpirit ContentCreator were not clear. This has been improved.</p>	ContentCreator, Editor
CXT-2404	<p>The display of the navigation bar has been improved.</p> <p>Further information can be found in chapter “ContentCreator: Navigation: Tree display is now clearer and better arranged”.</p>	ContentCreator, Editor, Navigation view, Workflow
CXT-2479	<p>In the media and data source management in the FirstSpirit ContentCreator, the message that an object cannot be edited due to a competing access has been improved (e. g. “The required element 'xyz' is currently being edited by 'userabc'.”).</p>	Content Store, ContentCreator, Media Store
CXT-2480	<p>If an error occurs when uploading images to the FirstSpirit ContentCreator (e.g. format is not supported by FirstSpirit), it will now lead to a more clearly stated error message: <code>The uploaded image could not be read or is using an unsupported image format. Please contact your administrator!</code></p>	ContentCreator, Editor, Media, Media Store, Modules
CXT-2486	<p>The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.</p>	Content Store, ContentCreator, Database, Editor, Remote access, Reports



9 Categories

9.1 Workflow

ID	Description
CXT-2404	<p>The display of the navigation bar has been improved.</p> <p>Further information can be found in chapter “ContentCreator: Navigation: Tree display is now clearer and better arranged”.</p>

9.2 ContentCreator

ID	Description
CXT-1799	<p>With the latest release the availability of functions that can be configured using the “Tailored UI” is limited to specific user groups.</p> <p>Further information can be found in chapter “ContentCreator: Tailored UI: Restricting or enabling functions for user groups”.</p>
CXT-2398	Some comments in the version history for actions that were carried out in the FirstSpirit ContentCreator were not clear. This has been improved.
CXT-2404	<p>The display of the navigation bar has been improved.</p> <p>Further information can be found in chapter “ContentCreator: Navigation: Tree display is now clearer and better arranged”.</p>
CXT-2479	In the media and data source management in the FirstSpirit ContentCreator, the message that an object cannot be edited due to a competing access has been improved (e. g. “The required element 'xyz' is currently being edited by 'userabc'.”).
CXT-2480	If an error occurs when uploading images to the FirstSpirit ContentCreator (e.g. format is not supported by FirstSpirit), it will now lead to a more clearly stated error message: <code>The uploaded image could not be read or is using an unsupported image format. Please contact your administrator!</code>
CXT-2486	The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.



9.3 Database

ID	Description
CORE-11930	<p>The search in the FirstSpirit SiteArchitect was adjusted (not only the global search but also the search in data sources), 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-2486	<p>The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.</p>

9.4 Content Store

ID	Description
CORE-11930	<p>The search in the FirstSpirit SiteArchitect was adjusted (not only the global search but also the search in data sources), 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-2479	<p>In the media and data source management in the FirstSpirit ContentCreator, the message that an object cannot be edited due to a competing access has been improved (e. g. “The required element 'xyz' is currently being edited by 'userabc'.”).</p>
CXT-2486	<p>The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.</p>



9.5 Debugging

ID	Description
CORE-14072	In rare cases, the presence of an inconsistent child list (“Child not found”) led to a log entry of the <code>ERROR</code> level. This behavior was adjusted, so that this will now consistently lead to log entries of the <code>WARN</code> level.
CORE-14107	Adjustments have been made to logging to eliminate a memory leak that occurred in rare cases.

9.6 Developer

ID	Description
CORE-13277	Output of metadata for sections in the case of JSON generation Further information can be found in chapter “Template development: JSON: Output of metadata in sections”.
CORE-13802	New release name schema Further information can be found in chapter “General: New release name schema”.
CORE-14042	An error has been fixed that led to that after using the <code>RenderingAgents</code> , the ID of the generated node was incorrectly included in the output in the log (<code>. . . {g-node=###} . . .</code>).
CORE-14072	In rare cases, the presence of an inconsistent child list (“Child not found”) led to a log entry of the <code>ERROR</code> level. This behavior was adjusted, so that this will now consistently lead to log entries of the <code>WARN</code> level.
CORE-14076	Modules and extensions for FirstSpirit 2022.1 Further information can be found in chapter “Administration: Modules and extensions for FirstSpirit 2022.1”.
CORE-14106	The <code>de.espirit.firstspirit.common.GidAgent</code> interface was expanded with the <code>getGid</code> method. Further information can be found in chapter “Module Development, Scripts, API: “de.espirit.firstspirit.common.GidAgent” expanded with “getGid” method”.
CORE-14107	Adjustments have been made to logging to eliminate a memory leak that occurred in rare cases.



ID	Description
CORE-14117	<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-1799	<p>With the latest release the availability of functions that can be configured using the “Tailored UI” is limited to specific user groups.</p> <p>Further information can be found in chapter “ContentCreator: Tailored UI: Restricting or enabling functions for user groups”.</p>

9.7 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-14117	<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>

9.8 FirstSpirit Jetty Web Server

ID	Description
CORE-13799 CORE-14121	<p>The integrated “InternalJetty” web server, which is no longer supported, has been removed completely from the code.</p> <p>Further information can be found in chapter “Administration: Omission of the integrated “InternalJetty” web server”.</p>

9.9 FirstSpirit Administrator

ID	Description
CORE-13799 CORE-14121	<p>The integrated “InternalJetty” web server, which is no longer supported, has been removed completely from the code.</p>



ID	Description
	Further information can be found in chapter “Administration: Omission of the integrated “InternalJetty” web server”.
CORE-13802	New release name schema Further information can be found in chapter “General: New release name schema”.
CORE-14074	Some inquiries to the server received a timeout of one minute. This ensures that a missing answer to these inquiries does not result in that the corresponding thread is waiting continuously.
CORE-14076	Modules and extensions for FirstSpirit 2022.1 Further information can be found in chapter “Administration: Modules and extensions for FirstSpirit 2022.1”.
CORE-14086	In very rare cases, a deadlock could occur in the client - server communication and subsequent freezing of the SiteArchitect. This occurred when a service or manager call was made where its parameter serialization triggered another server call. This problem has been corrected.
CORE-14088	An error has been fixed which could lead to an increased memory requirement due to outdated (project-local) FirstSpirit web applications on an Apache Tomcat web server.
CORE-14107	Adjustments have been made to logging to eliminate a memory leak that occurred in rare cases.
CORE-14117	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.
CXT-1799	With the latest release the availability of functions that can be configured using the “Tailored UI” is limited to specific user groups. Further information can be found in chapter “ContentCreator: Tailored UI: Restricting or enabling functions for user groups”.

9.10 FirstSpirit API

ID	Description
CORE-14042	An error has been fixed that led to that after using the <code>RenderingAgents</code> , the ID of the generated node was incorrectly included in the output in the log <code>(... {g-node=###} ...)</code> .



ID	Description
CORE-14106	<p>The <code>de.espirit.firstspirit.common.GidAgent</code> interface was expanded with the <code>getGid</code> method.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: <code>de.espirit.firstspirit.common.GidAgent</code> expanded with <code>getGid</code> method”.</p>

9.11 FragmentCreator

ID	Description
CORE-14117	<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>

9.12 FSDevTools

ID	Description
CORE-14076	<p>Modules and extensions for FirstSpirit 2022.1</p> <p>Further information can be found in chapter “Administration: Modules and extensions for FirstSpirit 2022.1”.</p>

9.13 Support for JSON

ID	Description
CORE-13277	<p>Output of metadata for sections in the case of JSON generation</p> <p>Further information can be found in chapter “Template development: JSON: Output of metadata in sections”.</p>



9.14 Launcher

ID	Description
CORE-14076	<p>Modules and extensions for FirstSpirit 2022.1</p> <p>Further information can be found in chapter “Administration: Modules and extensions for FirstSpirit 2022.1”.</p>

9.15 Media

ID	Description
CXT-2480	<p>If an error occurs when uploading images to the FirstSpirit ContentCreator (e.g. format is not supported by FirstSpirit), it will now lead to a more clearly stated error message: <code>The uploaded image could not be read or is using an unsupported image format. Please contact your administrator!</code></p>

9.16 Media Store

ID	Description
CXT-2479	<p>In the media and data source management in the FirstSpirit ContentCreator, the message that an object cannot be edited due to a competing access has been improved (e. g. “The required element 'xyz' is currently being edited by 'userabc'.”).</p>
CXT-2480	<p>If an error occurs when uploading images to the FirstSpirit ContentCreator (e.g. format is not supported by FirstSpirit), it will now lead to a more clearly stated error message: <code>The uploaded image could not be read or is using an unsupported image format. Please contact your administrator!</code></p>

9.17 Modules

ID	Description
CORE-14076	Modules and extensions for FirstSpirit 2022.1



ID	Description
	Further information can be found in chapter “Administration: Modules and extensions for FirstSpirit 2022.1”.
CORE-14117	<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-1799	<p>With the latest release the availability of functions that can be configured using the “Tailored UI” is limited to specific user groups.</p> <p>Further information can be found in chapter “ContentCreator: Tailored UI: Restricting or enabling functions for user groups”.</p>
CXT-2480	If an error occurs when uploading images to the FirstSpirit ContentCreator (e.g. format is not supported by FirstSpirit), it will now lead to a more clearly stated error message: <code>The uploaded image could not be read or is using an unsupported image format. Please contact your administrator!</code>

9.18 Navigation view

ID	Description
CXT-2404	<p>The display of the navigation bar has been improved.</p> <p>Further information can be found in chapter “ContentCreator: Navigation: Tree display is now clearer and better arranged”.</p>

9.19 Performance

ID	Description
CORE-14074	Some inquiries to the server received a timeout of one minute. This ensures that a missing answer to these inquiries does not result in that the corresponding thread is waiting continuously.



9.20 Permissions

ID	Description
CXT-1799	<p>With the latest release the availability of functions that can be configured using the “Tailored UI” is limited to specific user groups.</p> <p>Further information can be found in chapter “ContentCreator: Tailored UI: Restricting or enabling functions for user groups”.</p>

9.21 Editor

ID	Description
CORE-11930	<p>The search in the FirstSpirit SiteArchitect was adjusted (not only the global search but also the search in data sources), 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>
CORE-13802	<p>New release name schema</p> <p>Further information can be found in chapter “General: New release name schema”.</p>
CORE-14086	<p>In very rare cases, a deadlock could occur in the client - server communication and subsequent freezing of the SiteArchitect. This occurred when a service or manager call was made where its parameter serialization triggered another server call. This problem has been corrected.</p>
CXT-2398	<p>Some comments in the version history for actions that were carried out in the FirstSpirit ContentCreator were not clear. This has been improved.</p>
CXT-2404	<p>The display of the navigation bar has been improved.</p> <p>Further information can be found in chapter “ContentCreator: Navigation: Tree display is now clearer and better arranged”.</p>
CXT-2480	<p>If an error occurs when uploading images to the FirstSpirit ContentCreator (e.g. format is not supported by FirstSpirit), it will now lead to a more clearly stated error message: The uploaded</p>



ID	Description
	image could not be read or is using an unsupported image format. Please contact your administrator!
CXT-2486	The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.

9.22 Remote access

ID	Description
CXT-2486	The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.

9.23 Reports

ID	Description
CXT-2486	The “Tasks” report also displayed page references and datasets from remote projects for which a visualization option is not available. It now only displays media from remote projects.

9.24 ServerManager

ID	Description
CORE-13799 CORE-14121	The integrated “InternalJetty” web server, which is no longer supported, has been removed completely from the code. Further information can be found in chapter “Administration: Omission of the integrated “InternalJetty” web server”.



9.25 ServerMonitoring

ID	Description
CORE-13799 CORE-14121	<p>The integrated “InternalJetty” web server, which is no longer supported, has been removed completely from the code.</p> <p>Further information can be found in chapter “Administration: Omission of the integrated “InternalJetty” web server”.</p>

9.26 SiteArchitect

ID	Description
CORE-11930	<p>The search in the FirstSpirit SiteArchitect was adjusted (not only the global search but also the search in data sources), 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>
CORE-14086	<p>In very rare cases, a deadlock could occur in the client - server communication and subsequent freezing of the SiteArchitect. This occurred when a service or manager call was made where its parameter serialization triggered another server call. This problem has been corrected.</p>

9.27 Search

ID	Description
CORE-11930	<p>The search in the FirstSpirit SiteArchitect was adjusted (not only the global search but also the search in data sources), 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>



ID	Description
	Please note that corresponding special characters are not taken into account for the search, which means they do not influence the search result.

9.28 Template Development

ID	Description
CORE-14042	An error has been fixed that led to that after using the <code>RenderingAgents</code> , the ID of the generated node was incorrectly included in the output in the log (<code>. . . {g-node=###} . . .</code>).

9.29 Web server

ID	Description
CORE-13799 CORE-14121	The integrated “InternalJetty” web server, which is no longer supported, has been removed completely from the code. Further information can be found in chapter “Administration: Omission of the integrated “InternalJetty” web server”.
CORE-14074	Some inquiries to the server received a timeout of one minute. This ensures that a missing answer to these inquiries does not result in that the corresponding thread is waiting continuously.
CORE-14088	An error has been fixed which could lead to an increased memory requirement due to outdated (project-local) FirstSpirit web applications on an Apache Tomcat web server.

