FirstSpirit™
Unlock Your Content

Release Notes
FirstSpirit™ 2022.2

Status   **RELEASED**

Department   FS-Core
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e-Spirit

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1   Administration

1.1   Fallback for language-dependent media without content

If a medium is created **language-dependently**, the image files and files of other media formats must be provided for every existing language. Categorically, the medium will otherwise not be output and/or the medium is linked to an URL that does not exist.

With the latest release, it is now possible to define that for the language, for which a file has not been stored, the file of the **master language** will be used.
For this, select the option "Use master language" (FirstSpirit ServerManager/Project Properties/ Substitutions, "Language substitution (media")):
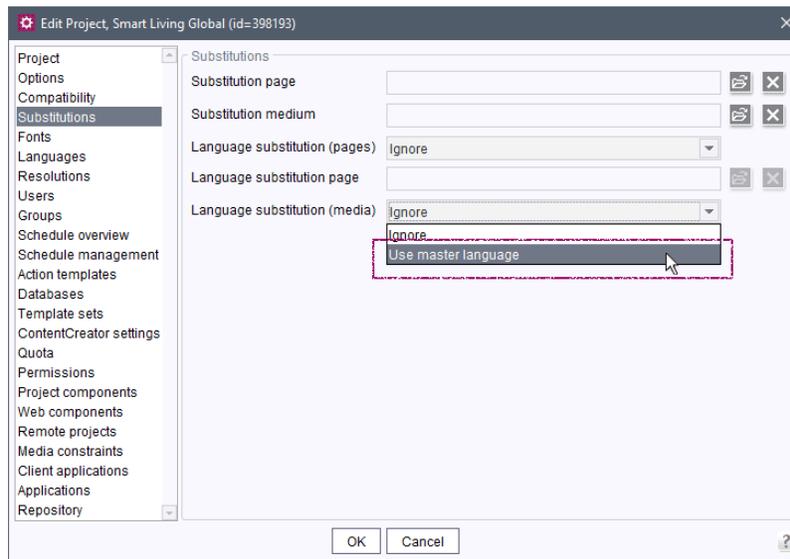
If the option "Ignore" is selected (this is the default setting), **nothing** is displayed for the language of the medium for which no file is stored.

Note: a medium will also not be displayed in the following cases:

■ No file is stored in the master language for a language-dependent medium.

■ No file is stored for a language-independent medium.

- No file is stored for a language that is not equal to the master language for a language-dependent medium and for "Language substitution (media)", the option "Use master language" is not activated.

One of the following FirstSpirit releases will provide a corresponding solution for these cases.

In the context of this new functionality, the FirstSpirit Access API was also expanded to be able to respond to this project setting: Package `de.espirit.firstspirit.access.project`, Interface `Project`.

1.2 Health state: Expansions for web applications and web servers

In the "Health Center" (FirstSpirit ServerMonitoring), the current state of health of the FirstSpirit server can be read out. For example, the *degraded* state (symbol: exclamation mark on red background) can indicate that there are problems concerning the available memory or an excessive load on the server. However, **web applications** that are included with FirstSpirit as standard that were not correctly rolled out at the FirstSpirit start ("deployed") will also cause the *degraded* state.

More detailed information is provided in the `server-incidents.log` file (downloadable in FirstSpirit ServerMonitoring under "FirstSpirit / Monitoring / Codes" via the envelope icon; "Server status is degraded!" message). Here, causes that lead to or have led to the problematic state can be read out.

If the server is in the *degraded* state, suitable measures must be taken to remedy the problems.

A FirstSpirit Server is now also viewed as *degraded* when an aggregating web server is used and a web application cannot be rolled out successfully on **all** web servers of the aggregating web server. Message in the `server-incidents.log` file:

```
Web server errors detected: #
```

whereby # is the number of the corresponding warnings.

The message

```
Some core web applications are not running: ...
```

indicates that at least one web application could not be rolled out and which one.

In rare cases, no explicit error message was displayed when a web application or a web component could not be rolled out on a web server. This error has also been rectified now.

The MBean `HealthManager` was enhanced with two additional pieces of information:

- `LastWebServerError`

- `WebServerErrorsPerDay`

Messages pertaining to the Health state are now also included in the `fs-server.log` file. They are output via the `de.espirit.firstspirit.server.HealthStatus` class. Corresponding messages can thereby also be found later on. Example:

```
INFO  19.01.2022 14:14:47.570 (de.espirit.firstspirit.server.HealthStatus):
   RUN_LEVEL (de.espirit.firstspirit.server.RunLevelHolder) Reached run level:
   STARTED(100)
```

Note: in some cases, messages will be output twice now.

In the context of the Health state, a few threshold values from which a FirstSpirit Server under a high load is considered to be *degraded* have also been raised, based on experience gained so far.

2   FirstSpirit Content Experience Tools (CXT)

2.1   Latest module versions

FirstSpirit 2022.2 supports the following module versions for "FirstSpirit Content Experience Tools".

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

FirstSpirit Media DAP   1.31.3*
`mediadap-[version].fsm`

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.

3   Module Development, Scripts, API

3.1   ModuleAdminAgent: Change for getProjectAppConfig() in case of error

The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) – as described in the API documentation – returns an `IllegalArgumentException` already since FirstSpirit 2022.1, if the project component is not added / installed in the project concerned.

Note: This only applies to servers running in "Isolated mode". For servers still running in the deprecated "Legacy mode", it was always the `IllegalArgumentException` that was returned.

4   Template development

4.1   FS_CATALOG: Managing the duplication of entries

FirstSpirit input components can be adapted by project developers extremely flexibly and fine-tuned to the requirements of the respective project and editors.
For example, the FS_CATALOG input component allows the convenient creation of lists that can consist of sections or links.
The central function is thereby the creation of new entries.

This function can be managed using a specific rule definition, namely via the *NEW* property.

In the past, this property was also the basis for the "Duplicate" function, which can be executed in the FirstSpirit ContentCreator in the form via icon:
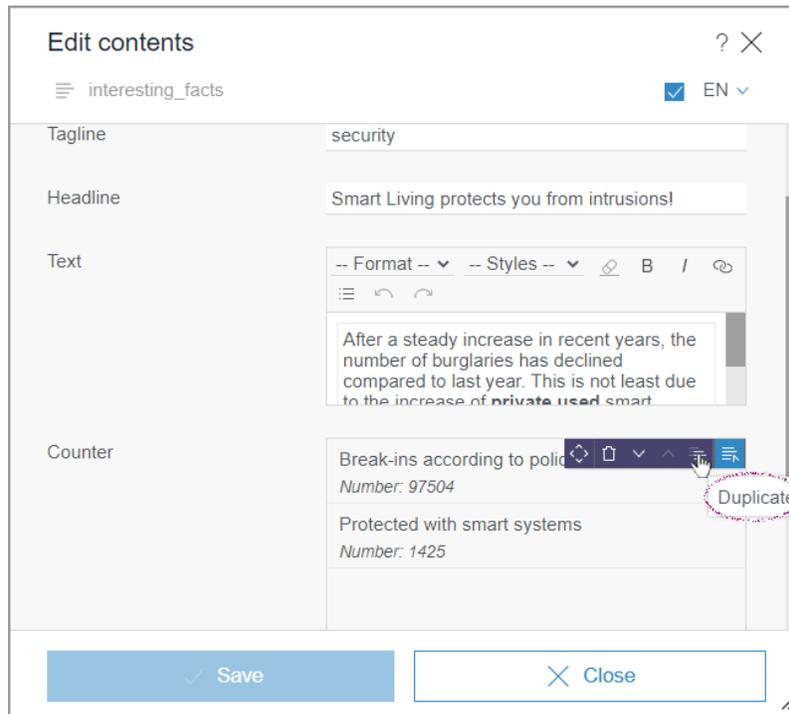
in the FirstSpirit SiteArchitect via context menu:
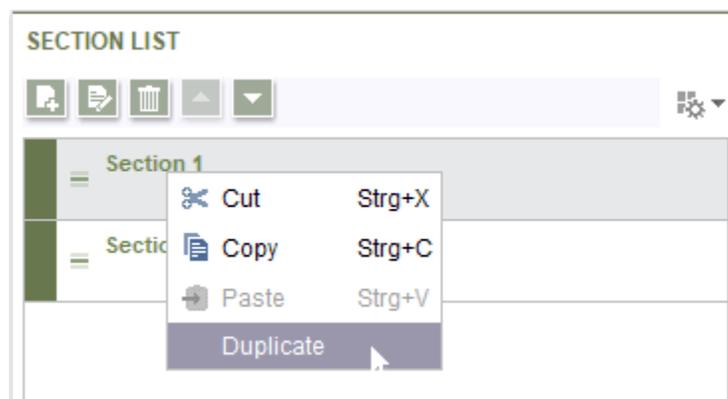
Until now, the functions "New"and "Duplicate" could only be activated or deactivated together.

With the latest release the functions "New" and "Duplicate" can now be controlled separately using the new property *COPY*:

```
PROPERTY name="COPY"
```

For reasons of compatibility, *COPY* takes the status of *NEW* into account unless there is an explicit definition for *COPY*.

To make "Duplicate" possible, but not "New", *COPY* must be activated explicitly, *NEW* must be deactivated, e.g.:

```
<RULES>
    <RULE>
        <WITH>
            <TRUE/>
        </WITH>
        <DO>
            <PROPERTY name="COPY" source="catalog"/>
            <NOT>
                <PROPERTY name="NEW" source="catalog"/>
            </NOT>
        </DO>
    </RULE>
</RULES>
```

Note: the icons in the preview (EasyEdit icons) cannot be influenced with rules. The Tailored UI functionality can be used to categorically prohibit the duplication in the preview.

For more information, see:

- FS_CATALOG: https://docs.e-spirit.com/odfs/template-develo/forms/input-component/catalog/index.html

- *COPY* property: https://docs.e-spirit.com/odfs/template-develo/rules/form-properties/property-cop/index.html

- Tailored UI: https://docs.e-spirit.com/odfs/template-develo/contentcreator/customization/standard-functi/index.html

4.2 JSON: Debugging of unresolvable references

Unresolvable references during the JSON generation now lead to WARN level log messages.

For example, this is the case when a linked medium cannot be accessed in the release state because it was never released or the parent chain of the medium contains a folder that was never released.

Example:

```
WARN  24.01.2022 14:26:24.248{g-node=850537} (de.espirit.firstspirit.generate.
   SiteProduction): Reference 'xyz' [type=MEDIASTORE_LEAF] is set but not accessible!
   It may have been deleted or is not correctly released.
```

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.MaintenanceModeInfo)	2018-07	
FirstSpirit Developer API: getStartingTimeOfStageAsDate (de.espirit.firstspirit.server.MaintenanceModeInfo)	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
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	
FirstSpirit Developer API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	

6   Overview

ID	Description	Categories
CORE-14023 CORE-14137 CORE-14138 CORE-14140 CORE-14144	With the latest release, the monitoring for web applications and web servers has been expanded. Further information can be found in chapter "Administration: Health state: Expansions for web applications and web servers".	Debugging, FirstSpirit Administrator, Monitoring
CORE-14052	In FS_CATALOG components, the creation and duplication of entries can now be activated or deactivated separately. Further information can be found in chapter "Template development: FS_CATALOG: Managing the duplication of entries".	ContentCreator, Developer, Dynamic Forms, Editor, Input Components
CORE-14058	Unresolvable references during the JSON generation now lead to WARN level log messages. Further information can be found in chapter "Template development: JSON: Debugging of unresolvable references".	Debugging, Developer, Generation, Release, Support for JSON
CORE-14099	Fallback for language-dependent media without content Further information can be found in chapter "Administration: Fallback for language-dependent media without content".	FirstSpirit Administrator, Media, ServerManager

ID	Description	Categories
CORE-14132	An error has been corrected, which, in case of invalid user settings (*system_properties* file) could lead in vary rare cases to that the FirstSpirit start page is no longer displayed for the corresponding users.	Editor, FirstSpirit Administrator, FirstSpirit home page
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.	Debugging, FirstSpirit Administrator, Health Center, Monitoring, ServerMonitoring, Tasks
CORE-14145	An error has been fixed which, in very rare cases, could cause the FirstSpirit Server to no longer be accessible due to locks in the Streaming Manager (regulates the data flow).	FirstSpirit Administrator
CORE-14155	With FirstSpirit 2022.1, the setting of the "Automatic cropping enabled by default" checkbox of the "FS Image Recognition - AWS Connector" service of the "FirstSpirit Image Recognition" module was not evaluated correctly: when this checkbox was activated and the project component "FS Image Recognition - Configuration" was not installed for the respective project, images were no longer cropped automatically when uploading. This error has been corrected.	ContentCreator, Developer, FirstSpirit Administrator, Media, Modules
CORE-14159	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".	Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Modules
CORE-14177	The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) now returns an `IllegalArgumentException` if the project component is not added / installed in the project in question. Further information can be found in chapter "Module Development, Scripts, API: ModuleAdminAgent: Change for getProjectAppConfig() in case of error".	Developer, FirstSpirit API, Isolated mode, Module development, Modules

ID	Description	Categories
CXT-2492 CXT-2493	With the use or rules in the FirstSpirit ContentCreator for *CMS_INPUT_DATE*, not all tags were evaluated correctly (specifically *ADD* and *GREATER_THAN*). Furthermore, during a *ValueService* implementation (package `de.espirit.firstspirit.service.value`, FirstSpirit Developer API), values from a *CMS_INPUT_DATE* input component are now used correctly again.	ContentCreator, Developer, Dynamic Forms, Input Components
CXT-2501	The repeated executing of the functions "Convert menu item to page" or "Convert page to menu item" successively is now prevented. In the past, this could lead to that undesired higher-ranking menu levels were deleted, for example, when the view (specifically in the case of a slow Internet connection) could not be updated in a timely manner. Now, a corresponding error message is displayed instead ("The element has been changed since the last refresh. Changes cannot be saved.") and the function is not executed.	ContentCreator, Editor, Performance
CXT-2512	If an editor has no permissions for a subsection of a project, in rare cases this could lead to the project not being able to be opened in the FirstSpirit ContentCreator. Instead, a 500 error was displayed. Now the `AccessSecurityException` responsible for this is handled accordingly, the ContentCreator can be opened and the permissions are evaluated correctly.	ContentCreator, Developer, Permissions

7   Categories

7.1   Tasks

ID	Description
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.

7.2   ContentCreator

ID	Description
CORE-14052	In FS_CATALOG components, the creation and duplication of entries can now be activated or deactivated separately. Further information can be found in chapter "Template development: FS_CATALOG: Managing the duplication of entries".
CORE-14155	With FirstSpirit 2022.1, the setting of the "Automatic cropping enabled by default" checkbox of the "FS Image Recognition - AWS Connector" service of the "FirstSpirit Image Recognition" module was not evaluated correctly: when this checkbox was activated and the project component "FS Image Recognition - Configuration" was not installed for the respective project, images were no longer cropped automatically when uploading. This error has been corrected.
CXT-2492 CXT-2493	With the use or rules in the FirstSpirit ContentCreator for *CMS_INPUT_DATE*, not all tags were evaluated correctly (specifically *ADD* and *GREATER_THAN*). Furthermore, during a *ValueService* implementation (package `de.espirit.firstspirit.service.value`, FirstSpirit Developer API), values from a *CMS_INPUT_DATE* input component are now used correctly again.
CXT-2501	The repeated executing of the functions "Convert menu item to page" or "Convert page to menu item" successively is now prevented. In the past, this could lead to that undesired higher-ranking menu levels were deleted, for example, when the view (specifically in the case of a slow Internet connection) could not be updated in a timely manner. Now, a corresponding error message is displayed instead ("The element has been changed since the last refresh. Changes cannot be saved.") and the function is not executed.
CXT-2512	If an editor has no permissions for a subsection of a project, in rare cases this could lead to the project not being able to be opened in the FirstSpirit ContentCreator. Instead, a 500 error was displayed. Now the `AccessSecurityException` responsible for this is handled accordingly, the ContentCreator can be opened and the permissions are evaluated correctly.

7.3   Debugging

ID	Description
CORE-14023	With the latest release, the monitoring for web applications and web servers has been expanded.

ID	Description
CORE-14137 CORE-14138 CORE-14140 CORE-14144	Further information can be found in chapter "Administration: Health state: Expansions for web applications and web servers".
CORE-14058	Unresolvable references during the JSON generation now lead to `WARN` level log messages. Further information can be found in chapter "Template development: JSON: Debugging of unresolvable references".
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.

7.4   Dynamic Forms

ID	Description
CORE-14052	In FS_CATALOG components, the creation and duplication of entries can now be activated or deactivated separately. Further information can be found in chapter "Template development: FS_CATALOG: Managing the duplication of entries".
CXT-2492 CXT-2493	With the use or rules in the FirstSpirit ContentCreator for *CMS_INPUT_DATE*, not all tags were evaluated correctly (specifically *ADD* and *GREATER_THAN*). Furthermore, during a *ValueService* implementation (package `de.espirit.firstspirit.service.value`, FirstSpirit Developer API), values from a *CMS_INPUT_DATE* input component are now used correctly again.

7.5   Input Components

ID	Description
CORE-14052	In FS_CATALOG components, the creation and duplication of entries can now be activated or deactivated separately.

ID	Description
	Further information can be found in chapter "Template development: FS_CATALOG: Managing the duplication of entries".
CXT-2492 CXT-2493	With the use or rules in the FirstSpirit ContentCreator for *CMS_INPUT_DATE*, not all tags were evaluated correctly (specifically *ADD* and *GREATER_THAN*). Furthermore, during a *ValueService* implementation (package `de.espirit.firstspirit.service.value`, FirstSpirit Developer API), values from a *CMS_INPUT_DATE* input component are now used correctly again.

7.6 Developer

ID	Description
CORE-14052	In FS_CATALOG components, the creation and duplication of entries can now be activated or deactivated separately. Further information can be found in chapter "Template development: FS_CATALOG: Managing the duplication of entries".
CORE-14058	Unresolvable references during the JSON generation now lead to `WARN` level log messages. Further information can be found in chapter "Template development: JSON: Debugging of unresolvable references".
CORE-14155	With FirstSpirit 2022.1, the setting of the "Automatic cropping enabled by default" checkbox of the "FS Image Recognition - AWS Connector" service of the "FirstSpirit Image Recognition" module was not evaluated correctly: when this checkbox was activated and the project component "FS Image Recognition - Configuration" was not installed for the respective project, images were no longer cropped automatically when uploading. This error has been corrected.
CORE-14159	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".
CORE-14177	The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) now returns an `IllegalArgumentException` if the project component is not added / installed in the project in question.

ID	Description
	Further information can be found in chapter "Module Development, Scripts, API: ModuleAdminAgent: Change for getProjectAppConfig() in case of error".
CXT-2492 CXT-2493	With the use or rules in the FirstSpirit ContentCreator for *CMS_INPUT_DATE*, not all tags were evaluated correctly (specifically *ADD* and *GREATER_THAN*). Furthermore, during a *ValueService* implementation (package `de.espirit.firstspirit.service.value`, FirstSpirit Developer API), values from a *CMS_INPUT_DATE* input component are now used correctly again.
CXT-2512	If an editor has no permissions for a subsection of a project, in rare cases this could lead to the project not being able to be opened in the FirstSpirit ContentCreator. Instead, a 500 error was displayed. Now the `AccessSecurityException` responsible for this is handled accordingly, the ContentCreator can be opened and the permissions are evaluated correctly.

7.7 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-14159	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

7.8 FirstSpirit home page

ID	Description
CORE-14132	An error has been corrected, which, in case of invalid user settings (*system_properties* file) could lead in vary rare cases to that the FirstSpirit start page is no longer displayed for the corresponding users.

7.9   FirstSpirit Administrator

ID	Description
CORE-14023 CORE-14137 CORE-14138 CORE-14140 CORE-14144	With the latest release, the monitoring for web applications and web servers has been expanded. Further information can be found in chapter "Administration: Health state: Expansions for web applications and web servers".
CORE-14099	Fallback for language-dependent media without content Further information can be found in chapter "Administration: Fallback for language-dependent media without content".
CORE-14132	An error has been corrected, which, in case of invalid user settings (*system_properties* file) could lead in vary rare cases to that the FirstSpirit start page is no longer displayed for the corresponding users.
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.
CORE-14145	An error has been fixed which, in very rare cases, could cause the FirstSpirit Server to no longer be accessible due to locks in the Streaming Manager (regulates the data flow).
CORE-14155	With FirstSpirit 2022.1, the setting of the "Automatic cropping enabled by default" checkbox of the "FS Image Recognition - AWS Connector" service of the "FirstSpirit Image Recognition" module was not evaluated correctly: when this checkbox was activated and the project component "FS Image Recognition - Configuration" was not installed for the respective project, images were no longer cropped automatically when uploading. This error has been corrected.
CORE-14159	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

7.10   FirstSpirit API

ID	Description
CORE-14177	The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) now returns an `IllegalArgumentException` if the project component is not added / installed in the project in question. Further information can be found in chapter "Module Development, Scripts, API: ModuleAdminAgent: Change for getProjectAppConfig() in case of error".

7.11   FragmentCreator

ID	Description
CORE-14159	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

7.12   Release

ID	Description
CORE-14058	Unresolvable references during the JSON generation now lead to `WARN` level log messages. Further information can be found in chapter "Template development: JSON: Debugging of unresolvable references".

7.13   Generation

ID	Description
CORE-14058	Unresolvable references during the JSON generation now lead to `WARN` level log messages.

ID	Description
	Further information can be found in chapter "Template development: JSON: Debugging of unresolvable references".

7.14 Health Center

ID	Description
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.

7.15 Isolated mode

ID	Description
CORE-14177	The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) now returns an `IllegalArgumentException` if the project component is not added / installed in the project in question. Further information can be found in chapter "Module Development, Scripts, API: ModuleAdminAgent: Change for getProjectAppConfig() in case of error".

7.16 Support for JSON

ID	Description
CORE-14058	Unresolvable references during the JSON generation now lead to `WARN` level log messages. Further information can be found in chapter "Template development: JSON: Debugging of unresolvable references".

7.17 Media

ID	Description
CORE-14099	Fallback for language-dependent media without content Further information can be found in chapter "Administration: Fallback for language-dependent media without content".
CORE-14155	With FirstSpirit 2022.1, the setting of the "Automatic cropping enabled by default" checkbox of the "FS Image Recognition - AWS Connector" service of the "FirstSpirit Image Recognition" module was not evaluated correctly: when this checkbox was activated and the project component "FS Image Recognition - Configuration" was not installed for the respective project, images were no longer cropped automatically when uploading. This error has been corrected.

7.18 Module development

ID	Description
CORE-14177	The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) now returns an `IllegalArgumentException` if the project component is not added / installed in the project in question. Further information can be found in chapter "Module Development, Scripts, API: ModuleAdminAgent: Change for getProjectAppConfig() in case of error".

7.19 Modules

ID	Description
CORE-14155	With FirstSpirit 2022.1, the setting of the "Automatic cropping enabled by default" checkbox of the "FS Image Recognition - AWS Connector" service of the "FirstSpirit Image Recognition" module was not evaluated correctly: when this checkbox was activated and the project component "FS Image Recognition - Configuration" was not installed for the respective project, images were no longer cropped automatically when uploading. This error has been corrected.
CORE-14159	FirstSpirit Content Experience Tools: Latest module versions

ID	Description
	Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".
CORE-14177	The `ModuleAdminAgent.getProjectAppConfig()` method (FirstSpirit Developer API, package `de.espirit.firstspirit.agency`) now returns an `IllegalArgumentException` if the project component is not added / installed in the project in question. Further information can be found in chapter "Module Development, Scripts, API: ModuleAdminAgent: Change for getProjectAppConfig() in case of error".

7.20   Monitoring

ID	Description
CORE-14023 CORE-14137 CORE-14138 CORE-14140 CORE-14144	With the latest release, the monitoring for web applications and web servers has been expanded. Further information can be found in chapter "Administration: Health state: Expansions for web applications and web servers".
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.

7.21   Performance

ID	Description
CXT-2501	The repeated executing of the functions "Convert menu item to page" or "Convert page to menu item" successively is now prevented. In the past, this could lead to that undesired higher-ranking menu levels were deleted, for example, when the view (specifically in the case of a slow Internet connection) could not be updated in a timely manner. Now, a corresponding error message is displayed instead ("The element has been changed since the last refresh. Changes cannot be saved.") and the function is not executed.

7.22 Permissions

ID	Description
CXT-2512	If an editor has no permissions for a subsection of a project, in rare cases this could lead to the project not being able to be opened in the FirstSpirit ContentCreator. Instead, a 500 error was displayed. Now the `AccessSecurityException` responsible for this is handled accordingly, the ContentCreator can be opened and the permissions are evaluated correctly.

7.23 Editor

ID	Description
CORE-14052	In FS_CATALOG components, the creation and duplication of entries can now be activated or deactivated separately. Further information can be found in chapter "Template development: FS_CATALOG: Managing the duplication of entries".
CORE-14132	An error has been corrected, which, in case of invalid user settings (*system_properties* file) could lead in vary rare cases to that the FirstSpirit start page is no longer displayed for the corresponding users.
CXT-2501	The repeated executing of the functions "Convert menu item to page" or "Convert page to menu item" successively is now prevented. In the past, this could lead to that undesired higher-ranking menu levels were deleted, for example, when the view (specifically in the case of a slow Internet connection) could not be updated in a timely manner. Now, a corresponding error message is displayed instead ("The element has been changed since the last refresh. Changes cannot be saved.") and the function is not executed.

7.24 ServerManager

ID	Description
CORE-14099	Fallback for language-dependent media without content

ID	Description
	Further information can be found in chapter "Administration: Fallback for language-dependent media without content".

7.25 ServerMonitoring

ID	Description
CORE-14135	Errors in schedules that cause a `FATAL` message to be logged (e.g., Beanshell scripts with invalid syntax or a `java.langRuntimeException`) now no longer cause the server to be classified in the ServerMonitoring or in the MBean *HealthManager* as *degraded*.