



FirstSpirit™

Unlock Your Content

Release Notes

FirstSpirit™ 2019-08

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|---------------|--------------------------|
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Table of contents

| | | |
|----------|---|-----------|
| 1 | Administration..... | 5 |
| 1.1 | PostgreSQL 8.4 is no longer supported for productive use in FirstSpirit | 5 |
| 1.2 | JSON: New system presentation channel..... | 5 |
| 1.3 | Project import: Improved behavior while handling corrupt project archives..... | 7 |
| 2 | General..... | 8 |
| 2.1 | FirstSpirit Documentation (docs.e-spirit.com)..... | 8 |
| 3 | FirstSpirit Content Experience Tools (CXT)..... | 10 |
| 3.1 | Latest module versions..... | 10 |
| 3.2 | Display names of CXT modules..... | 10 |
| 4 | FragmentCreator..... | 11 |
| 4.1 | Global configuration option via a properties file..... | 11 |
| 4.2 | Multi-tab capability and switching to another project..... | 12 |
| 5 | Module Development, Scripts, API..... | 13 |
| 5.1 | ContentCreator: Enhance status menu with client-side actions..... | 13 |
| 5.2 | de.espirit.firstspirit.access.Connection: Exceptions are now part of the API..... | 14 |
| 6 | SiteArchitect / ServerManager..... | 14 |
| 6.1 | Certificate update FirstSpirit Launcher..... | 14 |
| 7 | System..... | 15 |
| 7.1 | Updated internally used software..... | 15 |



| | | |
|-----------|---|-----------|
| 8 | Deprecations..... | 15 |
| 9 | Overview..... | 17 |
| 10 | Categories..... | 21 |
| 10.1 | Content Transport..... | 21 |
| 10.2 | ContentCreator..... | 21 |
| 10.3 | Data Access Plug-In..... | 22 |
| 10.4 | Database..... | 22 |
| 10.5 | Content Store..... | 22 |
| 10.6 | Dynamic Forms..... | 22 |
| 10.7 | Input Components..... | 22 |
| 10.8 | Developer..... | 23 |
| 10.9 | External synchronization..... | 24 |
| 10.10 | FirstSpirit Content as a Service (CaaS)..... | 24 |
| 10.11 | FirstSpirit Content Experience Tools (CXT)..... | 24 |
| 10.12 | FirstSpirit Omnichannel Manager..... | 25 |
| 10.13 | FirstSpirit home page..... | 25 |
| 10.14 | FirstSpirit Administrator..... | 26 |
| 10.15 | FirstSpirit API..... | 27 |
| 10.16 | FragmentCreator..... | 27 |
| 10.17 | Integrated software..... | 28 |
| 10.18 | Isolated mode..... | 29 |



| | | |
|-------|--------------------------------|----|
| 10.19 | Java..... | 29 |
| 10.20 | Support for JSON..... | 29 |
| 10.21 | Launcher..... | 29 |
| 10.22 | Metadata..... | 30 |
| 10.23 | Module development..... | 30 |
| 10.24 | Modules..... | 30 |
| 10.25 | Performance..... | 31 |
| 10.26 | Project export / import..... | 31 |
| 10.27 | Project switch..... | 32 |
| 10.28 | Editor..... | 32 |
| 10.29 | Remote access..... | 32 |
| 10.30 | Server Administrator..... | 33 |
| 10.31 | ServerManager..... | 33 |
| 10.32 | SiteArchitect..... | 33 |
| 10.33 | Sessions..... | 34 |
| 10.34 | Third Party Preview (TPP)..... | 34 |
| 10.35 | Template Development..... | 34 |



1 Administration

1.1 PostgreSQL 8.4 is no longer supported for productive use in FirstSpirit

Due to the advancing technology in the area of database systems, the use of **PostgreSQL 8.4** for productive use in FirstSpirit is no longer supported. This version of the database has therefore been removed from the list of database systems compatible with FirstSpirit (see https://docs.e-spirit.com/odfs/edocs/admi/technical-requi/compatible-comp/index.html#kompatible_datenbanken).

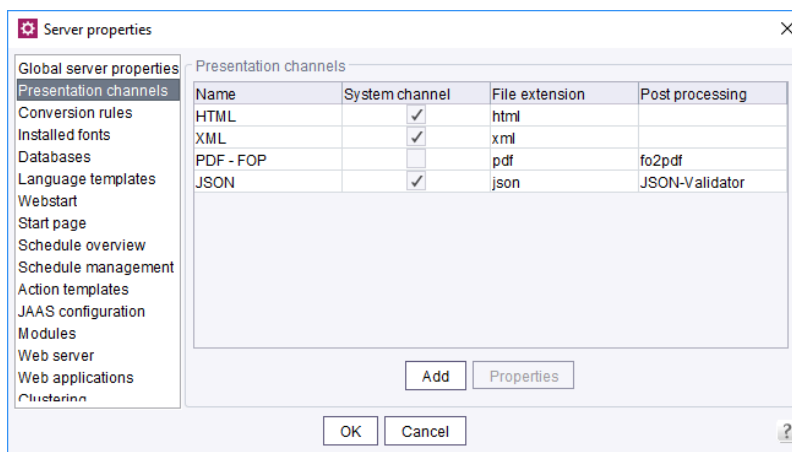
Currently the reference for using a PostgreSQL database is **PostgreSQL 9.4**. Support for **PostgreSQL 11** for productive use in FirstSpirit is currently being planned.

1.2 JSON: New system presentation channel

FirstSpirit supports template development for JSON output with a JSON validator.

New functionality:

With the current FirstSpirit release we provide a system presentation channel for JSON. After updating the FirstSpirit server, the new system channel can be accessed via “Server properties” >> “Presentation channels” in your Server Manager:



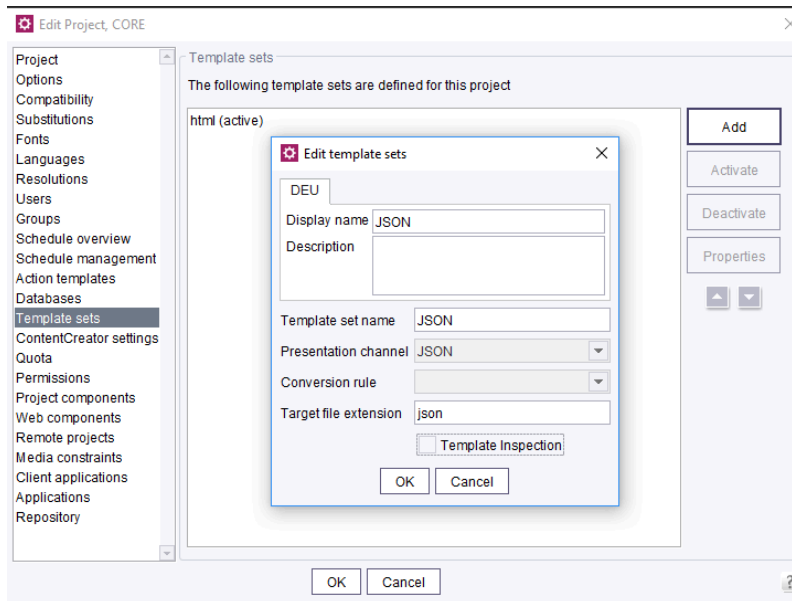
Server properties - Presentation channels - JSON

The new channel uses the “JSON-Validator” for post-processing.



Note: A system presentation channel cannot be edited or deleted.

To activate the new channel in your projects, a corresponding template set must be added in the project's properties under “Template sets”:



Project properties - Template sets - JSON

It is recommended to disable the “Template Inspection” option.

Project configuration:

In the respective template, JSON output is displayed on the JSON channel tab (if it was previously connected to a preview page from the structure, see *Templates (basics) / Composition of templates / Page templates / Properties tab* (→*FirstSpirit Online Documentation*)).

```
{ "headline": "First Page", "text": "my text" }
```

Syntax errors inside the JSON output will be flagged with a note on the corresponding position, e.g.

```
"hidden":false,"newRow":true,"text":"<h3> <----- INVALID JSON: expected ',' or '}' - got '>
```



As with most syntax checks, an error can trigger a series of alleged subsequent errors, which will be resolved by correcting the first error. For more detailed information on the error, the context menu function “Display preview errors” can be called on the corresponding page under “Contents” or “Structure” for the JSON Channel.

How do servers behave that already use a JSON channel?

FirstSpirit supports the JSON validation to facilitate template development since FirstSpirit 2019-01. Previously, however, a corresponding presentation channel had to be created manually (no system channel). The JSON validator could be selected for post-processing in this channel's properties.

On instances that already use a channel called “JSON”, this existing channel will remain unchanged during the update process. In this case, no new system channel is created.

The documentation will be updated as soon as possible. The Information will then be accessible at: *FirstSpirit ServerManager / Support for JSON (→Documentation for Administrators)*.

1.3 Project import: Improved behavior while handling corrupt project archives

Using the project import (via the FirstSpirit ServerManager or the FirstSpirit Access API), previously exported project archives can be transferred to the FirstSpirit server.

Project archives from the server's export directory:

- can be provided via the FirstSpirit ServerManager (ServerManager - Project - Import - File - Button: Server) or
- can be obtained via the local file system (ServerManager - Project - Import - File - Button: Local)

New behavior: For FirstSpirit server's export directory:

Corrupt project archives are no longer shown in the list of available project archives and can therefore no longer be selected for project import.

- ServerManager: (Project - Import - File - Button: Server) or



- FirstSpirit Access API: (when calling the methods `listExportFiles()` and `downloadExportFile(ExportFile)`) (Package: `de.espirit.firstspirit.access.admin.ProjectStorage`)

New behavior: For project archives obtained from the local file system:

If a corrupt project archive is selected during the project import, the import of the corrupted file is blocked and an error message is displayed.

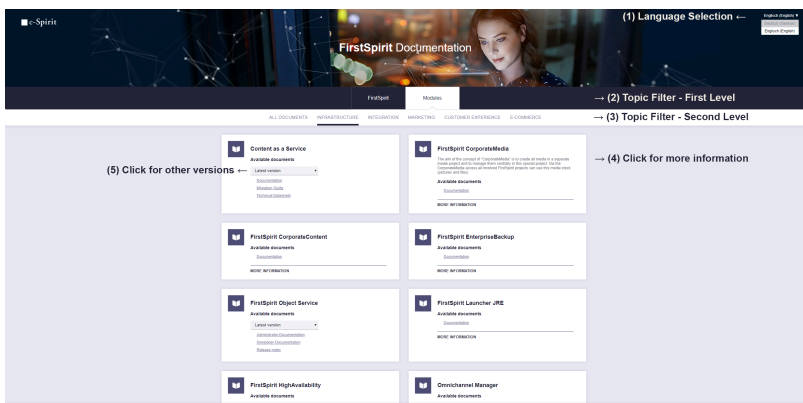
```
File upload failed; selected file may be corrupt!
```

- ServerManager: (Project - Import - File - Button: Local - Select file) and start the import or
- FirstSpirit Access API: (when calling the method `startImport(...)`) (Package: `de.espirit.firstspirit.access.admin.ProjectStorage`)

2 General

2.1 FirstSpirit Documentation (docs.e-spirit.com)

The FirstSpirit product documentation is now available via docs.e-spirit.com.



FirstSpirit Documentation (docs.e-spirit.com)

The documentation contains:

- Manuals (for administrators, template developers, module developers, editors)



- Descriptions of single functionalities (e.g. “External Synchronization” or “Isolated Mode”)
- Documentation on FirstSpirit modules (e.g. “FirstSpirit Intelligent Content Engine”, “Omnichannel Manager”)
- Technical data sheets (for FirstSpirit and some FirstSpirit modules)
- API documentation
- installation instructions
- migration instructions
- and other documents

Usually, documents are always provided in both German and English. The **Language Selection (1)** in the top right-hand corner allows you to switch from German-language documents to English-language documents (and vice versa).

Content can be filtered via the buttons “FirstSpirit” or “Modules” **on the first level (2)** and via FirstSpirit user groups (editors, developers, administrators) or module topics (infrastructure, integration, marketing, customer experience, e-commerce) **on the second level (3)**. The **“All documents”** button lists all documents in the respective area (“FirstSpirit” or “Modules”). Please note that a search option is scheduled for a later version.

A click on the **“More information” button (4)** displays a short description of the documentation.

Some documents are offered for different versions (of a module). In this case, a combo box is available **for selecting the required version (5)**.

The former entry point into the publicly available FirstSpirit documentation is now accessible via the following click path:

docs.e-spirit.com >> “FirstSpirit” >> “FirstSpirit Online Documentation”.



3 FirstSpirit Content Experience Tools (CXT)

3.1 Latest module versions

FirstSpirit 2019-08 supports the following module versions for “FirstSpirit Content Experience Tools”:

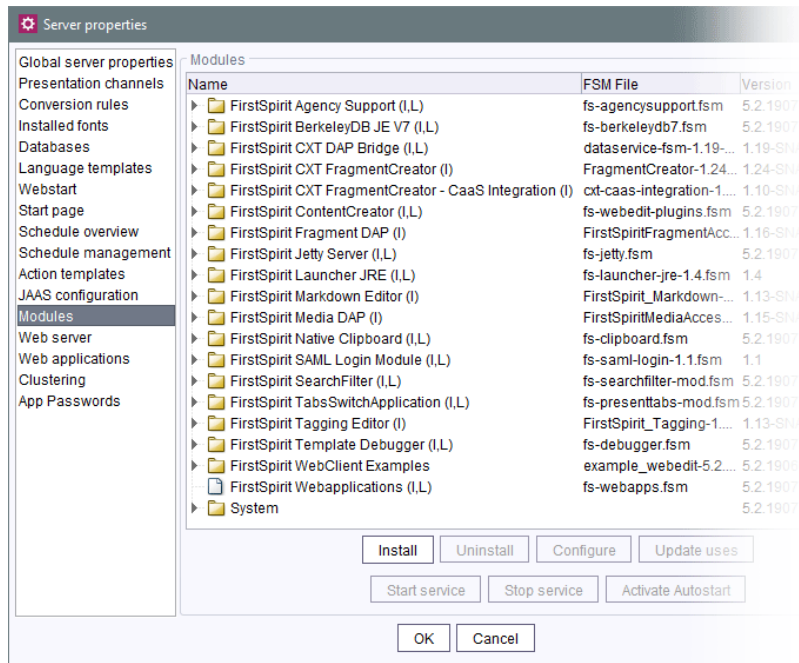
| Module / file name | Version number |
|---|----------------|
| FirstSpirit CXT DAP Bridge | 1.19 |
| <code>dataservice-[version].fsm</code> | |
| FirstSpirit CXT FragmentCreator | 1.24 |
| <code>fragment-creator-[version].fsm</code> | |
| FirstSpirit Fragment DAP | 1.16 |
| <code>fragmentdap-[version].fsm</code> | |
| FirstSpirit Media DAP | 1.15 |
| <code>mediadap-[version].fsm</code> | |
| FirstSpirit Markdown Editor | 1.13 |
| <code>markdown-editor-[version].fsm</code> | |
| FirstSpirit Tagging Editor | 1.13 |
| <code>tagging-editor-[version].fsm</code> | |
| FirstSpirit CXT FragmentCreator - CaaS Integration | 1.10 |
| <code>caas-integration-[version].fsm</code> | |

3.2 Display names of CXT modules

The display names of the FirstSpirit modules used for CXT have been adjusted:

- The addition *CXT* indicates that the module in question can only run under FirstSpirit CXT.
- The addition *(I)* indicates that the respective module can only be operated on FirstSpirit servers that are running in “Isolated mode”.





The functionality and the file name of the modules are not affected by this change.

FirstSpirit 2019-08 and higher

- FirstSpirit CXT DAP Bridge (I,L)
- FirstSpirit Fragment DAP (I)
- FirstSpirit CXT FragmentCreator (I)
- FirstSpirit CXT FragmentCreator - CaaS Integration (I)
- FirstSpirit Markdown Editor (I)
- FirstSpirit Media DAP (I)
- FirstSpirit Tagging Editor (I)

up to now

- FirstSpirit DAP Bridge (I,L)
- FirstSpirit Fragment DAP
- FirstSpirit FragmentCreator
- FirstSpirit FragmentCreator - CaaS Integration (I)
- FirstSpirit Markdown Editor
- FirstSpirit Media DAP (I)
- FirstSpirit Tagging Editor (I)

4 FragmentCreator

4.1 Global configuration option via a properties file

After their installation, certain parameters can/must be configured:

- for CXT clients (“FragmentCreator” module) and



- for data access to external sources via a REST service (“FirstSpirit DAP Bridge” module)

New functionality:

A properties file can now be used in the classpath for configuration. This configuration overwrites all other properties (including the previous configuration via the `web.xml` file).

To do this, first create a config directory in the classpath and then create a file `/config/cxt-fragment-creator.properties`. When using a Tomcat, place the file in the directory `${TOMCAT_HOME}/lib`. The required parameters can be configured within the file, e.g:

```
markdownEditorType=simplemde
```

Furthermore, values frequently used by the application (e.g. the `firstSpiritDataServiceBaseUrl`) are now managed via the `ApplicationConfiguration` class (package: `de.espirit.cxt.application.ApplicationConfiguration`), in order to provide type-safe access to the configuration.

Previous behaviour:

Previously, `FragmentCreator` could be configured primarily via the `web.xml` file (or common Spring Boot configuration).

4.2 Multi-tab capability and switching to another project

If you want to open and edit several fragment projects at the same time, this was previously only possible to a limited extent.

As of the new release, it is possible to open several projects in several tabs of a browser. The workaround described in the release notes for FirstSpirit 2019-05 of `clientsession=_new` to the URL (CXT-557) is no longer required.

Switching from one project to another project within a browser tab is possible with the new function “Change project” (in the user menu top right):



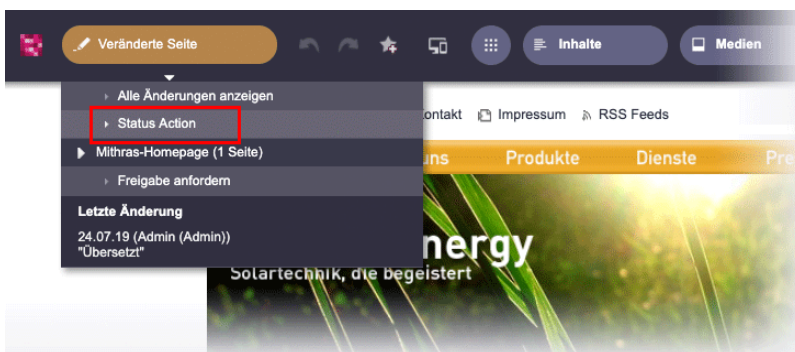


Click on this menu item to display the list of fragment projects available to the user, which can then be used to start the desired project.

5 Module Development, Scripts, API

5.1 ContentCreator: Enhance status menu with client-side actions

The context type *status* has been added to the ContentCreator JavaScript API / WE_API for client-side actions. This allows the “Page status” menu to be extended by own actions using the method `addItemPlugin` in the class `Common` (FirstSpirit Developer API, package `de.espirit.firstspirit.webedit.client.api`), for example



Code example:



```
WE_API.Common.addItemPlugin("status", function clientItemsPlugin(context, receiver) {
    var fsid = context.getProperty("fsid");
    var items = [];
    items.push(context.createItem(null, "Status Action", function clientItemPerformable() {
        // Perform action
        alert("User clicked on Custom Action. Current element: " + fsid.getId());
    }));
    receiver(items);
});
```

Adds a “Status Action” item to the Status menu and displays a dialog box with text when the menu item is clicked.

In addition, the “Display all changes” menu item is now also automatically hidden if an external web application is used for preview in ContentCreator (“FirstSpirit ServerManager / Project properties / ContentCreator settings / External Preview URL”), e.g. in “FirstSpirit Omnichannel Manager” scenarios. For technical reasons this menu item has no function there.

5.2 de.espirit.firstspirit.access.Connection: Exceptions are now part of the API

The exceptions

```
de.espirit.firstspirit.access.InvalidSessionException
de.espirit.firstspirit.common.MaximumNumberOfSessionsExceededException
de.espirit.firstspirit.server.authentication.AuthenticationException
```

that can be returned when using `de.espirit.firstspirit.access.Connection` (FirstSpirit Access API), are now part of the FirstSpirit Access API.

6 SiteArchitect / ServerManager

6.1 Certificate update FirstSpirit Launcher

The FirstSpirit Launcher is digitally signed. Thanks to the signature, the customer knows where the application comes from and that it was not manipulated during the transfer (from the manufacturer to the recipient).



In the current FirstSpirit version, the certificate of the FirstSpirit Launcher is updated. The new certificate is valid until 2021-08-23.

7 System

7.1 Updated internally used software

With FirstSpirit 2019-08, the following, internally used software has been updated:

- **Java**
 - The JRE, which is used by default to operate FirstSpirit SiteArchitect and ServerManager, has been updated from version 11.0.3 to version 11.0.4.
This is the Java version recommended by e-Spirit. When using the “FirstSpirit Launcher JRE” module, this corresponds to the “Default” configuration option.
 - Java versions contained in the “FirstSpirit Launcher JRE” module have been updated: AdoptOpenJDK 12.0.1 to version 12.0.2, AdoptOpenJDK 8u212 to version 8u222 (“Outdated”).
- **Install4j** (used for the FirstSpirit Launcher)
Update from version 7.0.4 to version 8.0.1
- **JxBrowser** (Chrome browser engine for displaying the integrated preview in FirstSpirit SiteArchitect)
Update to version 6.24. This corrected an issue which could occur when using iFrames.

For information about updates of the module “FirstSpirit Launcher JRE” please see [respective documentation](#).

8 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 FS_LIST | 5.2R3 | January 2020 |
| FirstSpirit Developer API: de.espirit.firstspirit.agency.GroupsAgent | 5.2R15 | |
| FirstSpirit Access API: delete (de.espirit.firstspirit.access.AccessUtil) | 5.2R18 | |
| Windows installation program | 2018-06 | |
| 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 | |



| Functionality | Deprecated as of | Will be removed/ Was removed as of |
|---|------------------|---------------------------------------|
| 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 | |
| Java 8 support for FirstSpirit | 2019-05 | |
| WebSphere Application Server support for FirstSpirit | 2019-05 | |
| Solaris support for FirstSpirit | 2019-06 | October 2019 |
| AIX support for FirstSpirit | 2019-06 | October 2019 |
| Legacy mode for the FirstSpirit server and module development | 2019-06 | |
| PostgreSQL 8.4 support for FirstSpirit | 2019-08 | 2019-08 |

9 Overview

| ID | Description | Categories |
|-------------------------|--|----------------------------|
| CORE-9118 CORE-11029 | Exceptions that can be returned when using <code>de.espirit.firstspirit.access.Connection</code> are now part of the API. Further information can be found in chapter “Module Development, Scripts, API: <code>de.espirit.firstspirit.access.Connection</code> : Exceptions are now part of the API”. | Developer, FirstSpirit API |
| CORE-10249 | The message <code>Requested localization not found</code> only appears with server log level <code>DEBUG</code> . | Server Administrator |



| ID | Description | Categories |
|------------|--|--|
| CORE-10489 | <p>Corrupt project archives are no longer listed in the list of available project archives and can therefore no longer be used for project import. If a corrupt project archive is selected via the local file system during the project import, the import of the corrupted file is blocked and an error message is displayed</p> <p>Further information can be found in chapter “Administration: Project import: Improved behavior while handling corrupt project archives”.</p> | FirstSpirit Administrator, Project export / import |
| CORE-10513 | <p>The FirstSpirit product documentation is now available via docs.e-spirit.com.</p> <p>Further information can be found in chapter “General: FirstSpirit Documentation (docs.e-spirit.com)”.</p> | Developer, Editor, FirstSpirit Administrator, Modules |
| CORE-10718 | <p>Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios</p> <p>Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”.</p> | ContentCreator, Developer, FirstSpirit API, FirstSpirit Omnichannel Manager, Module development, Third Party Preview (TPP) |
| CORE-10744 | Improved validation of the input component CMS_INPUT_DATE in FirstSpirit ContentCreator. | ContentCreator, Developer, Dynamic Forms, Editor, Input Components, Template Development |
| CORE-10805 | <p>With the current FirstSpirit release we provide a system presentation channel for JSON. To activate the new channel in the projects, a corresponding template set must be added in your project's properties under “Template sets”.</p> <p>Further information can be found in chapter “Administration: JSON: New system presentation channel”.</p> | SiteArchitect, Support for JSON, Template Development |
| CORE-10867 | Fixed a problem with “External Synchronization” of database templates (<code>schema.xml</code>) via ContentTransport or fs-cli. | Content Transport, External synchronization, FirstSpirit Administrator |



| ID | Description | Categories |
|--|---|--|
| CORE-10956 | Performance improvements when loading datasets. | Content Store, Database, Editor, Performance, SiteArchitect |
| CORE-10959 | A bug has been fixed that in rare cases could cause cluster generation to fail. | Server Administrator |
| CORE-10963 | Error handling has been adjusted: There are no more unnecessary warnings from the Berkeley database (<code>Environment is closed</code>), especially when used in cluster environments. | FirstSpirit Administrator |
| CORE-10994 | For technical reasons, metadata of media from remote projects cannot be edited in the target project. The corresponding icon is no longer displayed in the form (<code>FS_REFERENCE</code>) as of the current release. | ContentCreator, Input Components, Metadata, Remote access |
| CORE-10995 CORE-11067 | The behavior in case of server-client disconnections has been improved. | Developer, FirstSpirit Administrator, ServerManager, Sessions, SiteArchitect |
| CORE-11008 | <p>Due to the advancing technology in the area of database systems, the use of PostgreSQL 8.4 for productive use in FirstSpirit is no longer supported.</p> <p>Further information can be found in chapter “Administration: PostgreSQL 8.4 is no longer supported for productive use in FirstSpirit”.</p> | Database, FirstSpirit Administrator |
| CORE-11062 CORE-10606 CORE-11061 CORE-11083 | <p>In FirstSpirit 2019-08, updated internally used software.</p> <p>Further information can be found in chapter “System: Updated internally used software”.</p> | FirstSpirit Administrator, Integrated software, Java, Launcher, Modules |
| CORE-11091 | <p>In the current FirstSpirit version, the certificate of the FirstSpirit Launcher is updated. The new certificate is valid until 2021-08-23.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: Certificate update FirstSpirit Launcher”.</p> | Launcher |
| CORE-11103 | The handling of symlinks in the file system has been improved. | FirstSpirit Administrator |



| ID | Description | Categories |
|--------------------|---|--|
| CXT-607 | <p>New function: “Change project”</p> <p>Further information can be found in chapter “FragmentCreator: Multi-tab capability and switching to another project”.</p> | Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Project switch |
| CXT-708 | <p>A properties file in the classpath can now be used to configure the CXT clients and to access data from external sources using a REST service.</p> <p>Further information can be found in chapter “FragmentCreator: Global configuration option via a properties file”.</p> | FirstSpirit Administrator, FragmentCreator, Modules |
| CXT-732 | Using customer-specific DataAccess plug-ins in FragmentCreator via the input component FS_INDEX (tag SOURCE) could lead to errors (e.g. Internal Server Error). | Data Access Plug-In, Developer, FirstSpirit Content Experience Tools (CXT) |
| CXT-746 | <p>A more meaningful message is now used instead of the message “An Error Occurred”, which was previously displayed in some cases when FragmentCreator was started: “FragmentCreator is starting up...”.</p> <p>Only in case of an error “FragmentCreator startup failed!” is displayed. Then an error analysis by the administrator is necessary.</p> | Editor, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FirstSpirit home page, FragmentCreator |
| CXT-785 | <p>Paths generated by FirstSpirit CXT are now compatible with FirstSpirit CaaS in all cases.</p> <p>Previously, when using the module “FirstSpirit CXT FragmentCreator - CaaS Integration”, error messages such as <code>java.lang.IllegalArgumentException: CaaS path is too long...</code> could occur if characters that are not supported by FirstSpirit CaaS (spaces, slashes, etc.) were used, for example, in project names.</p> | FirstSpirit Content Experience Tools (CXT), FirstSpirit Content as a Service (CaaS) |
| CXT-792 CXT-761 | <p>The display names of the FirstSpirit modules used for CXT have been adjusted.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”.</p> | Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Isolated mode, Modules, ServerManager |



| ID | Description | Categories |
|---------|--|---|
| CXT-821 | <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 Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Modules |

10 Categories

10.1 Content Transport

| ID | Description |
|------------|---|
| CORE-10867 | Fixed a problem with “External Synchronization” of database templates (<code>schema.xml</code>) via ContentTransport or fs-cli. |

10.2 ContentCreator

| ID | Description |
|------------|---|
| CORE-10718 | <p>Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios</p> <p>Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”.</p> |
| CORE-10744 | Improved validation of the input component CMS_INPUT_DATE in FirstSpirit ContentCreator. |
| CORE-10994 | For technical reasons, metadata of media from remote projects cannot be edited in the target project. The corresponding icon is no longer displayed in the form (FS_REFERENCE) as of the current release. |



10.3 Data Access Plug-In

| ID | Description |
|---------|---|
| CXT-732 | Using customer-specific DataAccess plug-ins in FragmentCreator via the input component FS_INDEX (tag SOURCE) could lead to errors (e.g. Internal Server Error). |

10.4 Database

| ID | Description |
|------------|--|
| CORE-10956 | Performance improvements when loading datasets. |
| CORE-11008 | Due to the advancing technology in the area of database systems, the use of PostgreSQL 8.4 for productive use in FirstSpirit is no longer supported. Further information can be found in chapter “Administration: PostgreSQL 8.4 is no longer supported for productive use in FirstSpirit”. |

10.5 Content Store

| ID | Description |
|------------|---|
| CORE-10956 | Performance improvements when loading datasets. |

10.6 Dynamic Forms

| ID | Description |
|------------|--|
| CORE-10744 | Improved validation of the input component CMS_INPUT_DATE in FirstSpirit ContentCreator. |

10.7 Input Components

| ID | Description |
|------------|--|
| CORE-10744 | Improved validation of the input component CMS_INPUT_DATE in FirstSpirit ContentCreator. |



| ID | Description |
|------------|---|
| CORE-10994 | For technical reasons, metadata of media from remote projects cannot be edited in the target project. The corresponding icon is no longer displayed in the form (FS_REFERENCE) as of the current release. |

10.8 Developer

| ID | Description |
|------------|--|
| CORE-9118 | Exceptions that can be returned when using <code>de.espirit.firstspirit.access.Connection</code> are now part of the API. Further information can be found in chapter “Module Development, Scripts, API: <code>de.espirit.firstspirit.access.Connection</code> : Exceptions are now part of the API”. |
| CORE-11029 | |
| CORE-10513 | The FirstSpirit product documentation is now available via <code>docs.e-spirit.com</code> . Further information can be found in chapter “General: FirstSpirit Documentation (<code>docs.e-spirit.com</code>)”. |
| CORE-10718 | Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”. |
| CORE-10744 | Improved validation of the input component <code>CMS_INPUT_DATE</code> in FirstSpirit ContentCreator. |
| CORE-10995 | The behavior in case of server-client disconnections has been improved. |
| CORE-11067 | |
| CXT-732 | Using customer-specific <code>DataAccess</code> plug-ins in FragmentCreator via the input component <code>FS_INDEX</code> (tag <code>SOURCE</code>) could lead to errors (e.g. <code>Internal Server Error</code>). |
| CXT-792 | The display names of the FirstSpirit modules used for CXT have been adjusted. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”. |
| CXT-761 | |



10.9 External synchronization

| ID | Description |
|------------|---|
| CORE-10867 | Fixed a problem with “External Synchronization” of database templates (<code>schema.xml</code>) via ContentTransport or fs-cli. |

10.10 FirstSpirit Content as a Service (CaaS)

| ID | Description |
|---------|---|
| CXT-785 | Paths generated by FirstSpirit CXT are now compatible with FirstSpirit CaaS in all cases. Previously, when using the module “FirstSpirit CXT FragmentCreator - CaaS Integration”, error messages such as <code>java.lang.IllegalArgumentException: CaaS path is too long...</code> could occur if characters that are not supported by FirstSpirit CaaS (spaces, slashes, etc.) were used, for example, in project names. |

10.11 FirstSpirit Content Experience Tools (CXT)

| ID | Description |
|---------|--|
| CXT-607 | <p>New function: “Change project”</p> <p>Further information can be found in chapter “FragmentCreator: Multi-tab capability and switching to another project”.</p> |
| CXT-732 | Using customer-specific DataAccess plug-ins in FragmentCreator via the input component FS_INDEX (tag SOURCE) could lead to errors (e.g. Internal Server Error). |
| CXT-746 | <p>A more meaningful message is now used instead of the message “An Error Occurred”, which was previously displayed in some cases when FragmentCreator was started: “FragmentCreator is starting up...”.</p> <p>Only in case of an error “FragmentCreator startup failed!” is displayed. Then an error analysis by the administrator is necessary.</p> |
| CXT-785 | Paths generated by FirstSpirit CXT are now compatible with FirstSpirit CaaS in all cases. Previously, when using the module “FirstSpirit CXT FragmentCreator - CaaS Integration”, error messages such as <code>java.lang.IllegalArgumentException: CaaS path is too</code> |



| ID | Description |
|---------|---|
| | long . . . could occur if characters that are not supported by FirstSpirit CaaS (spaces, slashes, etc.) were used, for example, in project names. |
| CXT-792 | The display names of the FirstSpirit modules used for CXT have been adjusted. |
| CXT-761 | Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”. |
| CXT-821 | FirstSpirit Content Experience Tools: Latest module versions |
| | Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”. |

10.12 FirstSpirit Omnichannel Manager

| ID | Description |
|------------|---|
| CORE-10718 | Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios |
| | Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”. |

10.13 FirstSpirit home page

| ID | Description |
|---------|---|
| CXT-746 | A more meaningful message is now used instead of the message “An Error Occurred”, which was previously displayed in some cases when FragmentCreator was started: “FragmentCreator is starting up...”. Only in case of an error “FragmentCreator startup failed!” is displayed. Then an error analysis by the administrator is necessary. |



10.14 FirstSpirit Administrator

| ID | Description |
|--|--|
| CORE-10489 | <p>Corrupt project archives are no longer listed in the list of available project archives and can therefore no longer be used for project import. If a corrupt project archive is selected via the local file system during the project import, the import of the corrupted file is blocked and an error message is displayed</p> <p>Further information can be found in chapter “Administration: Project import: Improved behavior while handling corrupt project archives”.</p> |
| CORE-10513 | <p>The FirstSpirit product documentation is now available via docs.e-spirit.com.</p> <p>Further information can be found in chapter “General: FirstSpirit Documentation (docs.e-spirit.com)”.</p> |
| CORE-10867 | <p>Fixed a problem with “External Synchronization” of database templates (<code>schema.xml</code>) via ContentTransport or fs-cli.</p> |
| CORE-10963 | <p>Error handling has been adjusted: There are no more unnecessary warnings from the Berkeley database (<code>Environment is closed</code>), especially when used in cluster environments.</p> |
| CORE-10995 CORE-11067 | <p>The behavior in case of server-client disconnections has been improved.</p> |
| CORE-11008 | <p>Due to the advancing technology in the area of database systems, the use of PostgreSQL 8.4 for productive use in FirstSpirit is no longer supported.</p> <p>Further information can be found in chapter “Administration: PostgreSQL 8.4 is no longer supported for productive use in FirstSpirit”.</p> |
| CORE-11062 CORE-10606 CORE-11061 CORE-11083 | <p>In FirstSpirit 2019-08, updated internally used software.</p> <p>Further information can be found in chapter “System: Updated internally used software”.</p> |
| CORE-11103 | <p>The handling of symlinks in the file system has been improved.</p> |
| CXT-708 | <p>A properties file in the classpath can now be used to configure the CXT clients and to access data from external sources using a REST service.</p> <p>Further information can be found in chapter “FragmentCreator: Global configuration option via a properties file”.</p> |



| ID | Description |
|---------|--|
| CXT-746 | <p>A more meaningful message is now used instead of the message “An Error Occurred”, which was previously displayed in some cases when FragmentCreator was started: “FragmentCreator is starting up...”.</p> <p>Only in case of an error “FragmentCreator startup failed!” is displayed. Then an error analysis by the administrator is necessary.</p> |
| CXT-792 | The display names of the FirstSpirit modules used for CXT have been adjusted. |
| CXT-761 | Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”. |
| CXT-821 | <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> |

10.15 FirstSpirit API

| ID | Description |
|------------|---|
| CORE-9118 | <p>Exceptions that can be returned when using <code>de.espirit.firstspirit.access.Connection</code> are now part of the API.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: <code>de.espirit.firstspirit.access.Connection</code>: Exceptions are now part of the API”.</p> |
| CORE-11029 | |
| CORE-10718 | <p>Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios</p> <p>Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”.</p> |

10.16 FragmentCreator

| ID | Description |
|---------|--------------------------------|
| CXT-607 | New function: “Change project” |



| ID | Description |
|--------------------|--|
| | Further information can be found in chapter “FragmentCreator: Multi-tab capability and switching to another project”. |
| CXT-708 | <p>A properties file in the classpath can now be used to configure the CXT clients and to access data from external sources using a REST service.</p> <p>Further information can be found in chapter “FragmentCreator: Global configuration option via a properties file”.</p> |
| CXT-746 | <p>A more meaningful message is now used instead of the message “An Error Occurred”, which was previously displayed in some cases when FragmentCreator was started: “FragmentCreator is starting up...”.</p> <p>Only in case of an error “FragmentCreator startup failed!” is displayed. Then an error analysis by the administrator is necessary.</p> |
| CXT-792 CXT-761 | <p>The display names of the FirstSpirit modules used for CXT have been adjusted.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”.</p> |
| CXT-821 | <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> |

10.17 Integrated software

| ID | Description |
|--|---|
| CORE-11062 CORE-10606 CORE-11061 CORE-11083 | <p>In FirstSpirit 2019-08, updated internally used software.</p> <p>Further information can be found in chapter “System: Updated internally used software”.</p> |



10.18 Isolated mode

| ID | Description |
|---------|---|
| CXT-792 | The display names of the FirstSpirit modules used for CXT have been adjusted. |
| CXT-761 | Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”. |

10.19 Java

| ID | Description |
|------------|---|
| CORE-11062 | In FirstSpirit 2019-08, updated internally used software. |
| CORE-10606 | Further information can be found in chapter “System: Updated internally used software”. |
| CORE-11061 | |
| CORE-11083 | |

10.20 Support for JSON

| ID | Description |
|------------|---|
| CORE-10805 | With the current FirstSpirit release we provide a system presentation channel for JSON. To activate the new channel in the projects, a corresponding template set must be added in your project's properties under “Template sets”. |
| | Further information can be found in chapter “Administration: JSON: New system presentation channel”. |

10.21 Launcher

| ID | Description |
|------------|---|
| CORE-11062 | In FirstSpirit 2019-08, updated internally used software. |
| CORE-10606 | Further information can be found in chapter “System: Updated internally used software”. |
| CORE-11061 | |
| CORE-11083 | |



| ID | Description |
|------------|--|
| CORE-11091 | <p>In the current FirstSpirit version, the certificate of the FirstSpirit Launcher is updated. The new certificate is valid until 2021-08-23.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: Certificate update FirstSpirit Launcher”.</p> |

10.22 Metadata

| ID | Description |
|------------|--|
| CORE-10994 | <p>For technical reasons, metadata of media from remote projects cannot be edited in the target project. The corresponding icon is no longer displayed in the form (FS_REFERENCE) as of the current release.</p> |

10.23 Module development

| ID | Description |
|------------|---|
| CORE-10718 | <p>Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios</p> <p>Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”.</p> |

10.24 Modules

| ID | Description |
|------------|---|
| CORE-10513 | <p>The FirstSpirit product documentation is now available via docs.e-spirit.com.</p> <p>Further information can be found in chapter “General: FirstSpirit Documentation (docs.e-spirit.com)”.</p> |
| CORE-11062 | In FirstSpirit 2019-08, updated internally used software. |
| CORE-10606 | Further information can be found in chapter “System: Updated internally used software”. |
| CORE-11061 | |



| ID | Description |
|------------|--|
| CORE-11083 | |
| CXT-708 | <p>A properties file in the classpath can now be used to configure the CXT clients and to access data from external sources using a REST service.</p> <p>Further information can be found in chapter “FragmentCreator: Global configuration option via a properties file”.</p> |
| CXT-792 | The display names of the FirstSpirit modules used for CXT have been adjusted. |
| CXT-761 | Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”. |
| CXT-821 | <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> |

10.25 Performance

| ID | Description |
|------------|---|
| CORE-10956 | Performance improvements when loading datasets. |

10.26 Project export / import

| ID | Description |
|------------|--|
| CORE-10489 | <p>Corrupt project archives are no longer listed in the list of available project archives and can therefore no longer be used for project import. If a corrupt project archive is selected via the local file system during the project import, the import of the corrupted file is blocked and an error message is displayed</p> <p>Further information can be found in chapter “Administration: Project import: Improved behavior while handling corrupt project archives”.</p> |



10.27 Project switch

| ID | Description |
|---------|--|
| CXT-607 | <p>New function: “Change project”</p> <p>Further information can be found in chapter “FragmentCreator: Multi-tab capability and switching to another project”.</p> |

10.28 Editor

| ID | Description |
|------------|--|
| CORE-10513 | <p>The FirstSpirit product documentation is now available via docs.e-spirit.com.</p> <p>Further information can be found in chapter “General: FirstSpirit Documentation (docs.e-spirit.com)”.</p> |
| CORE-10744 | Improved validation of the input component CMS_INPUT_DATE in FirstSpirit ContentCreator. |
| CORE-10956 | Performance improvements when loading datasets. |
| CXT-607 | <p>New function: “Change project”</p> <p>Further information can be found in chapter “FragmentCreator: Multi-tab capability and switching to another project”.</p> |
| CXT-746 | <p>A more meaningful message is now used instead of the message “An Error Occurred”, which was previously displayed in some cases when FragmentCreator was started: “FragmentCreator is starting up...”.</p> <p>Only in case of an error “FragmentCreator startup failed!” is displayed. Then an error analysis by the administrator is necessary.</p> |

10.29 Remote access

| ID | Description |
|------------|---|
| CORE-10994 | For technical reasons, metadata of media from remote projects cannot be edited in the target project. The corresponding icon is no longer displayed in the form (FS_REFERENCE) as of the current release. |



10.30 Server Administrator

| ID | Description |
|------------|--|
| CORE-10249 | The message Requested localization not found only appears with server log level DEBUG. |
| CORE-10959 | A bug has been fixed that in rare cases could cause cluster generation to fail. |

10.31 ServerManager

| ID | Description |
|--------------------------|--|
| CORE-10995 CORE-11067 | The behavior in case of server-client disconnections has been improved. |
| CXT-792 CXT-761 | The display names of the FirstSpirit modules used for CXT have been adjusted. Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Display names of CXT modules”. |

10.32 SiteArchitect

| ID | Description |
|--------------------------|---|
| CORE-10805 | With the current FirstSpirit release we provide a system presentation channel for JSON. To activate the new channel in the projects, a corresponding template set must be added in your project's properties under “Template sets”. Further information can be found in chapter “Administration: JSON: New system presentation channel”. |
| CORE-10956 | Performance improvements when loading datasets. |
| CORE-10995 CORE-11067 | The behavior in case of server-client disconnections has been improved. |



10.33 Sessions

| ID | Description |
|------------|---|
| CORE-10995 | The behavior in case of server-client disconnections has been improved. |
| CORE-11067 | |

10.34 Third Party Preview (TPP)

| ID | Description |
|------------|---|
| CORE-10718 | <p>Enhance status menu in ContentCreator with client-side actions and menu item “Display all changes” is now hidden in “FirstSpirit Omnichannel Manager” scenarios</p> <p>Further information can be found in chapter “Module Development, Scripts, API: ContentCreator: Enhance status menu with client-side actions”.</p> |

10.35 Template Development

| ID | Description |
|------------|--|
| CORE-10744 | Improved validation of the input component CMS_INPUT_DATE in FirstSpirit ContentCreator. |
| CORE-10805 | <p>With the current FirstSpirit release we provide a system presentation channel for JSON. To activate the new channel in the projects, a corresponding template set must be added in your project's properties under “Template sets”.</p> <p>Further information can be found in chapter “Administration: JSON: New system presentation channel”.</p> |

