FirstSpirit™

Unlock Your Content

Release Notes
FirstSpirit™ 2020-02

Status	**RELEASED**
Department	FS-Core
Copyright	2020 e-Spirit AG
File name	Releasenotes_2020_02_EN

e-Spirit

Table of contents

1   Administration

1.1   Change the order of the project languages by drag-and-drop

All languages used in a project are listed via the project properties in the FirstSpirit Server Manager ("FirstSpirit ServerManager / Project / Properties / Languages"). The defined project languages are displayed in the defined order in SiteArchitect. In addition to using the context menu, the order of the project languages can now also be changed by using the mouse pointer (drag-and-drop).

The following applies: The master language always remains at the top of the sequence.

1.2   Metaspace: Note on the configuration of the Java VM

The metaspace (another native memory area next to the heap) is automatically managed by the Java VM. A different configuration of this memory area, for example using the parameters `MetaspaceSize` or `MaxMetaspaceSize,` is **no longer recommended**.

These parameters can be configured in the configuration file `fs-wrapper*.conf` and were previously set automatically, provided that the installation or update of the FirstSpirit server was carried out <u>via an old installation path</u>, e.g. the Windows installation file (.exe): for Microsoft Windows Server (discontinued with 2018-06).

Please check if your configuration conforms to this recommendation. If necessary, you can manually remove the `MetaspaceSize` or `MaxMetaspaceSize` parameters from the `fs-wrapper*.conf.`

If you install or upgrade using the new Tar Gzip archives (released with 2019-06), <u>no adjustment is required</u>:

- `fs-install-[version].tar.gz` for installing the FirstSpirit server and

- `fs-update-[version].tar.gz` for updating the FirstSpirit server

Further documentation:

- for the configuration of the Java VM and Wrapper (fs-wrapper*.conf)

- to common Java parameters for the Java VM

- to external application server requirements

2 General

2.1 Announcement: FirstSpirit Experience Accelerator

e-Spirit has so far provided demo projects with sample basic content and configurations. These will be replaced in the future by the contemporary **"FirstSpirit Experience Accelerator"**. The FirstSpirit Experience Accelerator is a new, important building block in the FirstSpirit ecosystem. It contains reference implementations for important content modules (including Shoppable Image and Video, Touchpoint Editing, Teaser Carousel, and Banner) and can be used as a quick entry into a new FirstSpirit project. The objective of the FirstSpirit Experience Accelerator is a faster product launch in the enterprise and eCommerce environment.

The "Mithras Energy" demo project (for ContentCreator and SiteArchitect) will be dropped in the future and will no longer be distributed with FirstSpirit.

2.2 New JSON format version 1.1

With the current FirstSpirit release a new version of the JSON output format is released. The **new JSON format version 1.1** contains several improvements over version 1.0 (see below). Starting with FirstSpirit 2020-02 the new format version will be used (default setting).

The previous format version 1.0 remains supported but is to be replaced in the medium term.

The format version can be set explicitly via the JSON settings:

```
$CMS_SET(#global.json.formatVersion, "1.1")$
```

> **!** If a stable JSON output is needed even after FirstSpirit updates have been performed, the format version should be set explicitly in the project settings, under "Global Settings".

If the format version is not set explicitly, the latest JSON format version (now 1.1) will always be used.

Overview of the changes:

1) New attribute "page" for page references:

When rendering a page reference, the corresponding page is now rendered as a child attribute "page".

As a result, the page reference attributes only contain values of the page reference. All values that belong to the page (for example, the attribute "formData") are now in the page's JSON object. (Previously, when a page reference was rendered, the values from both the page and the page reference were merged to keep the JSON object structure as simple as possible).

2) The attribute "metaFormData" is always rendered by default:

Any object's meta data will now be rendered, unless rendering is explicitly disabled via `$CMS_SET(#global.json.metaDataRendering, false)$`.

Before the behavior was opposite - metadata rendering explicitly had to be activated with `$CMS_SET(#global.json.metaDataRendering, true)$`.

3) Rendering of display names (attribute "displayname"):

The display name is rendered in the current language, in the attribute "display name", for all nodes that can have display names.

When no display name was defined, the display name is taken from the master language. If that display name has not been set either, the node's reference name is rendered.

4) The attribute "valueSchema" has been removed:

The attribute "valueSchema" is no longer being rendered.

5) The attribute "identifier" has been removed (rendering of input components):

When rendering the data of input components only the attribute "name" is being rendered. The attribute "identifier" has been removed, since both attributes contained the same information.

Rendering of a page reference in format version 1.1 (simplified representation):

```json
{
   "fsType": "PageRef",
   "name": "pt_metadata_selective_1",
   "displayName": "pt_metadata_selective",
   "identifier": "15ff7b8d-9059-4721-b92b-e697e153fc85",
   "uid": "pt_metadata_selective_1",
   "uidType": "SITESTORE_LEAF",
   "metaFormData": {
      "meta_field1": {
         "fsType": "CMS_INPUT_TEXT",
         "name": "meta_field1",
         "identifier": "meta_field1",
         "value": null,
         "valueSchema": {
            "type": "null"
         }
      },
      "meta_field2": {
         "fsType": "CMS_INPUT_TEXT",
         "name": "meta_field2",
         "identifier": "meta_field2",
         "value": "value_field2_set",
         "valueSchema": {
            "type": "string"
         }
      },
      "meta_field3": {
         "fsType": "CMS_INPUT_DATE",
         "name": "meta_field3",
         "identifier": "meta_field3",
         "value": null,
         "valueSchema": {
            "type": "null"
         }
      }
   },
   "page": {
      "fsType": "Page",
      "name": "pt_metadata_selective_1",
      "displayName": "pt_metadata_selective",
      "identifier": "76a0b7c2-3ec8-4908-88e8-53c2f43d9902",
      "uid": "pt_metadata_selective_1",
```

```
        "uidType": "PAGESTORE",
        "template": {
            "fsType": "PageTemplate",
            "name": "pt_empty_page",
            "displayName": "pt_empty_page",
            "identifier": "7c020f2f-719c-4334-8efc-f44015333d2a",
            "uid": "pt_empty_page",
            "uidType": "TEMPLATESTORE"
        },
        "formData": {
        },
      "metaFormData": {
            "meta_field1": {
                "fsType": "CMS_INPUT_TEXT",
                "name": "meta_field1",
                "identifier": "meta_field1",
                "value": "value_field_1",
                "valueSchema": {
                    "type": "string"
                }
            },
            "meta_field2": {
                "fsType": "CMS_INPUT_TEXT",
                "name": "meta_field2",
                "identifier": "meta_field2",
                "value": null,
                "valueSchema": {
                    "type": "null"
                }
            },
            "meta_field3": {
                "fsType": "CMS_INPUT_DATE",
                "name": "meta_field3",
                "identifier": "meta_field3",
                "value": null,
                "valueSchema": {
                    "type": "null"
                }
            }
        },
        "children": [
        ]
    }
}
```

3 ContentCreator

3.1 Rollout of the new ContentCreator

Design and technical basis of the FirstSpirit ContentCreator have been revised. With FirstSpirit 2020-01 the use of the revised ContentCreator was officially released. Since then, all customers have been able to use the ContentCreator in the revised design, as long as this has been configured accordingly in the server/project settings.

As scheduled, the "new" ContentCreator will be automatically rolled out to all **cloud customers** with the current release: For all projects started with the ContentCreator, the revised design will be used as of this release.
If required, you can switch back to the "classic" ContentCreator for individual projects by deactivating the "Use new design" checkbox in the FirstSpirit ServerManager under "Project properties / Web components" / "ContentCreator" tab.

For **all customers**, the "new" ContentCreator will be used as planned with the upcoming release (FirstSpirit 2020-03): Then the revised ContentCreator will automatically be used for all projects. If any problems occur, the "old" can be easily switched back to if necessary. With FirstSpirit 2020-07, however, the ContentCreator in the "old" design will be discontinued as planned, so the recommendation is to use the new ContentCreator for all projects as early as possible.

Why was the ContentCreator revised at all and how? - Our blog article will give you a look behind the scenes of the design development for the new ContentCreator: https://www.e-spirit.com/en/blog/contentcreator_redesign.html.

Documentation

Currently, the user documentation for the ContentCreator is being revised and adapted to the new design; other documentation (e.g. "FirstSpirit Online Documentation" (ODFS)) will follow. The presentation in the documentation therefore does not yet correspond in places to the interface in the new design and may differ from the ContentCreator that you are using.
In addition, you can now find the user documentation for the ContentCreator as an HTML version (instead of PDF) on the central documentation server docs.e-spirit.com.

Notes on operating the new FirstSpirit ContentCreator

- Up to now, for unrestricted use of the new FirstSpirit ContentCreator, the **Pluggability** option had to be set to "Active". With the current release, pluggability is enforced for the new FirstSpirit ContentCreator. This means: If the new FirstSpirit ContentCreator is used, the Pluggability mode is automatically activated by the system (log entry: `WARN 03.02.2020 15:58:20.902 (de.espirit.firstspirit.server.module.WebServerManagerImpl): Force enabled pluggability for 'fs5webedit' in project '-1'.`). This has no effect on the user interface, so the "Pluggability" option may be set to "Inactive" even though the option is enabled.
  For more information about the "Pluggability" option please see *FirstSpirit Manual for Administrators*, page Web applications or Web components.

- The technology change of the ContentCreator ("MicroApp Framework") leads to an increased resource requirement and **increased system requirements**. This is particularly noticeable during the current transition period, during which the "new" and the "old" ContentCreator can be operated in parallel.
  - For this reason, **resources** should be checked and, if necessary, increased especially in the area of the application server used (e.g. Apache Tomcat), especially the **hard disk space** and the **Java heap**.

  - If possible, the ContentCreator should be used as a **global Web application**. The ContentCreator should only be operated as a separate project instance ("project local") if this is absolutely necessary.

  - When using Apache Tomcat as an application server, it is generally recommended that Apache Tomcat be **restarted** after each update of FirstSpirit.

4   FirstSpirit Content Experience Tools (CXT)

4.1   Latest module versions

FirstSpirit 2020-02 supports the following module versions for "FirstSpirit Content Experience Tools":

Module / file name	Version number
FirstSpirit CXT DAP Bridge	1.25
dataservice-[version].fsm	

FirstSpirit CXT FragmentCreator	2.0
`fragment-creator-[version].fsm`	
FirstSpirit Fragment DAP	1.21
`fragmentdap-[version].fsm`	
FirstSpirit Media DAP	1.21
`mediadap-[version].fsm`	
FirstSpirit Markdown Editor	1.18*
`markdown-editor-[version].fsm`	
FirstSpirit Tagging Editor	1.18
`tagging-editor-[version].fsm`	
FirstSpirit CXT FragmentCreator - CaaS Integration	1.17
`caas-integration-[version].fsm`	

* The module "FirstSpirit Markdown Editor" requires from version 1.17 FirstSpirit 2019-12 or higher.

4.2   FragmentCreator: Design revision

As part of the revision and consolidation of the technical basis for FirstSpirit ContentCreator and FragmentCreator, the graphic interface of FragmentCreator was revised and adapted to the design principles of ContentCreator (see also the "Rollout of the new ContentCreator" chapter).

In principle, no functional changes for editors or developers are associated with the design update. Generally, all functions in the user interfaces are available in their familiar positions. The design update will not give rise to any additional development or operational work.

The design changes relate to the color and shape of the icons, fonts, and background colors:
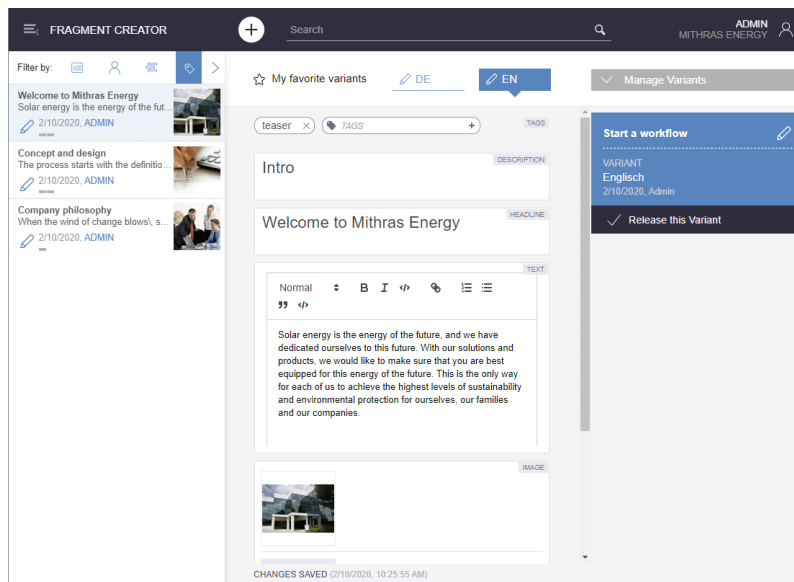
For better orientation, the currently selected fragment is now highlighted more clearly in the **fragment list** (left side of the screen). The current user is now displayed in the fragment list in blue font, all other users in grey font.

In the **variant overview** (right side of the screen, "Manage Variants") you can now select more than one variant with a click and start a workflow for them.

The **detailed information** that was previously displayed for the selected fragment or variant underneath the task area in the bottom right-hand corner is the same as the information in the status display. Therefore, it has now been removed to make the display clearer.

The user guidance when **uploading and selecting pictures** in an input element (button "Upload Picture") has also been improved in this context:
In principle, all pictures that are dragged into the upload dialog by drag-and-drop will now be referenced in the respective input element after the upload (visualized by check mark symbols). Previously, the pictures to be referenced in the input element had to be actively selected.
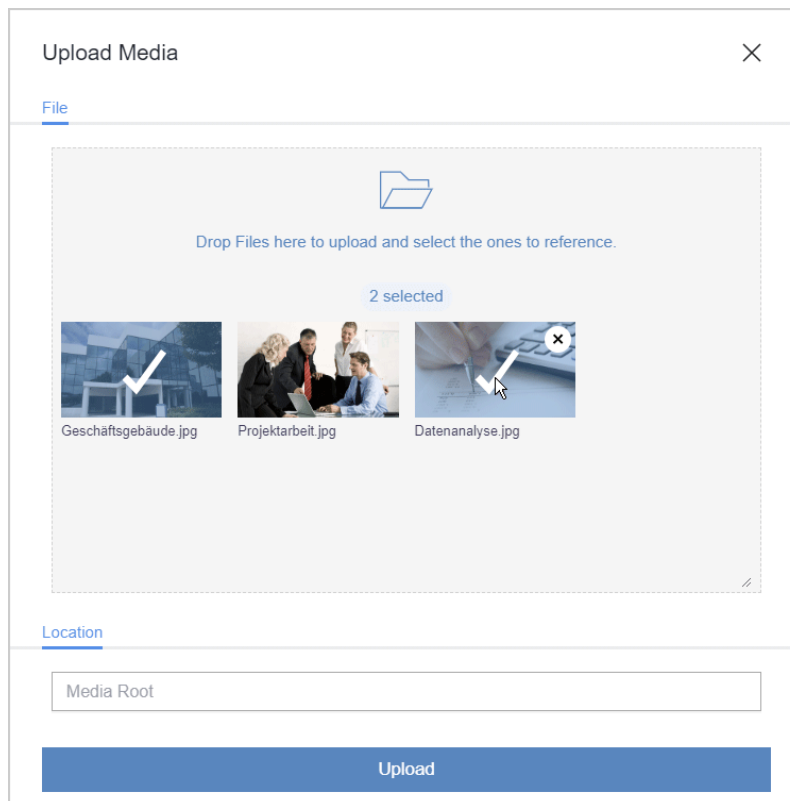
By clicking on the desired picture you can still select/unselect it. This allows you to control which pictures are to be referenced in the relevant input element.

After a successful upload (button "Upload") the upload dialog now closes automatically and no longer needs to be closed manually. Exception: If an error occurs, the dialog remains open, shows a corresponding error message and the affected pictures are not uploaded.

The adaptation of the documentation with regard to the design and the revised functionalities is successive, therefore the presentation in the documentation potentially no longer corresponds to the current software status.

5   Repository

5.1   Improved archiving function

Pictures/media can exist in various resolutions in the project. If necessary, the system automatically creates image data in the correct resolution, when a medium is being requested in a certain resolution

for the first time. Such image data (for one resolution) is saved on the server in an image cache (MEDIA_STORE_CACHED_PICTURES).

This method speeds up generation times, as generating large numbers of media in many different resolutions is very time-consuming. However, the image cache increases the project's data volume. Up to now, it has only been possible to remove automatically calculated resolutions from the project's data inventory again via a project export (by deactivating the "Export automatically calculated image resolutions" option).

This method has been improved in the latest FirstSpirit release. Using project archiving (the "Archive old project states" schedule), all calculated media/pictures whose resolutions are no longer available in the project can now be removed from the image cache. These resolutions were previously removed via "Project properties" – "Resolutions" – "Delete".

To use project archiving, the "Content, media, and data content" option must be activated under "Objects":
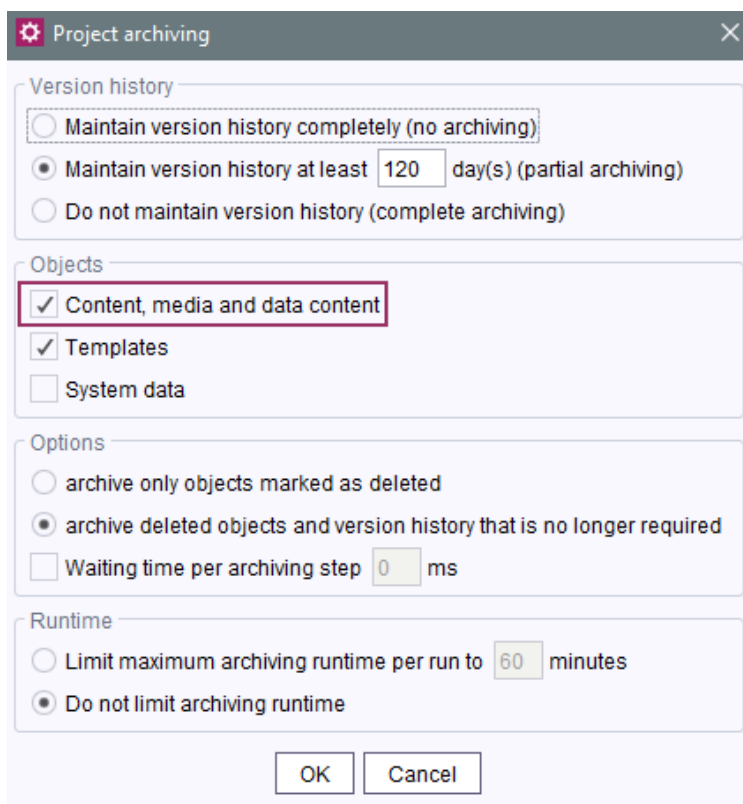
ServerManager – Project-based schedule entries – Project archiving

During archiving, the automatically calculated resolutions that are no longer required are subsequently removed from the project and are no longer carried over to the archive file.

The automatically calculated resolutions that are no longer required are removed regardless of the additional settings in place for the project archiving process (e.g., for "Version history" and "Options").

<u>Advantages:</u>

- The project size is reduced.

- Loading times are reduced.

- The FirstSpirit Server's overall performance is improved.

For more documentation, see:

- Archive old project states

6   System

6.1   Update of internally used software

As of the current release, the following internally used software has been updated:

- **Spring Boot** (used for MicroApp Framework)
  Update from version 2.2.1 to version 2.2.2

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 FS_LIST	5.2R3	January 2020
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	
FirstSpirit Access API: delete (de.espirit.firstspirit.access.AccessUtil)	5.2R18	
Windows installation program	2018-06	June 2020
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	

First Spirit™
Unlock Your Content

Functionality	Deprecated as of	Will be removed/ Was removed as of
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	
Java 8 support for FirstSpirit	2019-05	June 2020
WebSphere Application Server support for FirstSpirit	2019-05	
Legacy mode for the FirstSpirit server and module development	2019-06	
Java Web Start support for FirstSpirit	2019-10	June 2020
FirstSpirit ContentCreator (old design / old technology)	2019-11	July 2020
Mithras Energy demo project	2020-02	June 2020

8   Overview

ID	Description	Categories
CORE-8756	In addition to using the context menu, the order of the project languages ("FirstSpirit ServerManager / Project / Properties / Languages") can now also be changed by using the mouse pointer (drag-and-drop). Further information can be found in chapter "Administration: Change the order of the project languages by drag-and-drop".	FirstSpirit Administrator, Languages, ServerManager
CORE-10797	When transporting datasets via "External Synchronization" or "Content Transport", updates were occasionally not recognized. The error only occurred if an input component was set to the value NULL. In this case, the value was ignored during the transport and an existing value in the target project was not updated. This error has been corrected.	Content Transport, External synchronization
CORE-11607	Project archiving has been improved in the latest FirstSpirit release. Using project archiving (the "Archive old project states" schedule), all automatically calculated media/pictures <u>whose resolutions have already been deleted in the project</u> can now be removed from the image cache. Further information can be found in chapter "Repository: Improved archiving function ".	Archiving, FirstSpirit Administrator, Performance, ServerManager
CORE-11740		Sessions
CORE-11796	The metaspace (another native memory area next to the heap) is automatically managed by the Java VM. A different configuration of this memory area, for example using the parameters MetaspaceSize or MaxMetaspaceSize, is no longer recommended. Further information can be found in chapter "Administration: Metaspace: Note on the configuration of the Java VM".	Server Administrator

ID	Description	Categories
CORE-11800	With the current FirstSpirit release a new version of the JSON output format is released. From FirstSpirit 2020-02 the new format version 1.1 is used (standard setting). The previous format version 1.0 remains supported but is to be replaced in the medium term. Further information can be found in chapter "General: New JSON format version 1.1".	Developer, Support for JSON
CORE-11835	An error was fixed that could cause data not to be displayed when migrating the input component FS_LIST (discontinued with 2020-01) to FS_INDEX. The problem only occurred in rare cases in connection with inconsistent data.	Developer, Input Components, Migration
CORE-11866	In very rare cases, an error occurred while using the ContentCreator, which was caused by a "not authorized" message. This error has been fixed.	ContentCreator
CORE-11870 CXT-11809	Rollout of the new ContentCreator Further information can be found in chapter "ContentCreator: Rollout of the new ContentCreator".	ContentCreator, FirstSpirit Administrator, Performance
CORE-11871	The "Mithras Energy" demo project (for ContentCreator and SiteArchitect) will be dropped in the future and will no longer be distributed with FirstSpirit. Further information can be found in chapter "General: Announcement: FirstSpirit Experience Accelerator".	ContentCreator, Developer, Editor, SiteArchitect
CORE-11906	If a particular key term (e.g. FS_LIST) is selected in a FirstSpirit template and the "F1" key (or optionally the "Help" button) is pressed at the same time, the FirstSpirit documentation for this subject area is opened. For deprecated input components, the FirstSpirit documentation refers to alternative input components (e.g. FS_REFERENCE instead of CMS_INPUT_PICTURE). For the input component FS_LIST (that is no longer available) and all deprecated input components replaced by FS_LIST (e.g. CMS_INPUT_CONTENTLIST), the documentation refers to the corresponding migration guide.	Developer, Input Components, Migration

ID	Description	Categories
CORE-11913	An error was fixed that could cause information in languages that are only present in the target project to be lost when transporting FS_LIST data migrated to FS_CATALOG. This problem affected all converted FS_LIST input components (discontinued with 2020-01) if they were converted with FirstSpirit version 2019-12 or 2020-01.	Content Transport, External synchronization, Input Components, Migration
CXT-879	When using the module "FirstSpirit CXT FragmentCreator - CaaS Integration", releases and other switching of workflows are now also taken into account during the event-based generation of fragments on the preview CaaS server. In addition, an error has been fixed that prevented the generation by task from being completed.	FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FirstSpirit Content as a Service (CaaS), Tasks, Workflow
CXT-1122 CXT-1149 CXT-1173 CXT-1218 CXT-1219 CXT-1250	FragmentCreator's graphical interface is currently being revised. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): FragmentCreator: Design revision".	Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator
CXT-1158	When the "FirstSpirit CXT FragmentCreator - CaaS Integration" is being used, all affected fragments are now transferred correctly to the required CaaS instance again, even if they have been generated for each schedule by the server.	FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FirstSpirit Content as a Service (CaaS), Tasks
CXT-1162	A problem relating to the FirstSpirit Omnichannel Manager, the `WE_API.Preview.reload` method, and the `WE_API.Preview.getWindow` method (FirstSpirit Developer API, `de.espirit.firstspirit.webedit.client.api` package, `Preview` interface) has been resolved.	FirstSpirit API, Omnichannel Manager / Third Party Preview
CXT-1209	Update of internally used software Further information can be found in chapter "System: Update of internally used software".	FirstSpirit Administrator, Integrated software
CXT-1215	In rare cases, creating a new variant or starting workflows had to be executed twice in succession.	Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Workflow

ID	Description	Categories
CXT-1262	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

9 Categories

9.1 Workflow

ID	Description
CXT-879	When using the module "FirstSpirit CXT FragmentCreator - CaaS Integration", releases and other switching of workflows are now also taken into account during the event-based generation of fragments on the preview CaaS server. In addition, an error has been fixed that prevented the generation by task from being completed.
CXT-1215	In rare cases, creating a new variant or starting workflows had to be executed twice in succession.

9.2 Archiving

ID	Description
CORE-11607	Project archiving has been improved in the latest FirstSpirit release. Using project archiving (the "Archive old project states" schedule), all automatically calculated media/pictures whose resolutions have already been deleted in the project can now be removed from the image cache. Further information can be found in chapter "Repository: Improved archiving function ".

9.3   Tasks

ID	Description
CXT-879	When using the module "FirstSpirit CXT FragmentCreator - CaaS Integration", releases and other switching of workflows are now also taken into account during the event-based generation of fragments on the preview CaaS server. In addition, an error has been fixed that prevented the generation by task from being completed.
CXT-1158	When the "FirstSpirit CXT FragmentCreator - CaaS Integration" is being used, all affected fragments are now transferred correctly to the required CaaS instance again, even if they have been generated for each schedule by the server.

9.4   Content Transport

ID	Description
CORE-10797	When transporting datasets via "External Synchronization" or "Content Transport", updates were occasionally not recognized. The error only occurred if an input component was set to the value NULL. In this case, the value was ignored during the transport and an existing value in the target project was not updated. This error has been corrected.
CORE-11913	An error was fixed that could cause information in languages that are only present in the target project to be lost when transporting FS_LIST data migrated to FS_CATALOG. This problem affected all converted FS_LIST input components (discontinued with 2020-01) if they were converted with FirstSpirit version 2019-12 or 2020-01.

9.5   ContentCreator

ID	Description
CORE-11866	In very rare cases, an error occurred while using the ContentCreator, which was caused by a "not authorized" message. This error has been fixed.
CORE-11870 CXT-11809	Rollout of the new ContentCreator Further information can be found in chapter "ContentCreator: Rollout of the new ContentCreator".

ID	Description
CORE-11871	The "Mithras Energy" demo project (for ContentCreator and SiteArchitect) will be dropped in the future and will no longer be distributed with FirstSpirit. Further information can be found in chapter "General: Announcement: FirstSpirit Experience Accelerator".

9.6 Input Components

ID	Description
CORE-11835	An error was fixed that could cause data not to be displayed when migrating the input component FS_LIST (discontinued with 2020-01) to FS_INDEX. The problem only occurred in rare cases in connection with inconsistent data.
CORE-11906	If a particular key term (e.g. FS_LIST) is selected in a FirstSpirit template and the "F1" key (or optionally the "Help" button) is pressed at the same time, the FirstSpirit documentation for this subject area is opened. For deprecated input components, the FirstSpirit documentation refers to alternative input components (e.g. FS_REFERENCE instead of CMS_INPUT_PICTURE). For the input component FS_LIST (that is no longer available) and all deprecated input components replaced by FS_LIST (e.g. CMS_INPUT_CONTENTLIST), the documentation refers to the corresponding migration guide.
CORE-11913	An error was fixed that could cause information in languages that are only present in the target project to be lost when transporting FS_LIST data migrated to FS_CATALOG. This problem affected all converted FS_LIST input components (discontinued with 2020-01) if they were converted with FirstSpirit version 2019-12 or 2020-01.

9.7 Developer

ID	Description
CORE-11800	With the current FirstSpirit release a new version of the JSON output format is released. From FirstSpirit 2020-02 the new format version 1.1 is used (standard setting). The previous format version 1.0 remains supported but is to be replaced in the medium term. Further information can be found in chapter "General: New JSON format version 1.1".

ID	Description
CORE-11835	An error was fixed that could cause data not to be displayed when migrating the input component FS_LIST (discontinued with 2020-01) to FS_INDEX. The problem only occurred in rare cases in connection with inconsistent data.
CORE-11871	The "Mithras Energy" demo project (for ContentCreator and SiteArchitect) will be dropped in the future and will no longer be distributed with FirstSpirit. Further information can be found in chapter "General: Announcement: FirstSpirit Experience Accelerator".
CORE-11906	If a particular key term (e.g. FS_LIST) is selected in a FirstSpirit template and the "F1" key (or optionally the "Help" button) is pressed at the same time, the FirstSpirit documentation for this subject area is opened. For deprecated input components, the FirstSpirit documentation refers to alternative input components (e.g. FS_REFERENCE instead of CMS_INPUT_PICTURE). For the input component FS_LIST (that is no longer available) and all deprecated input components replaced by FS_LIST (e.g. CMS_INPUT_CONTENTLIST), the documentation refers to the corresponding migration guide.
CXT-1262	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

9.8   External synchronization

ID	Description
CORE-10797	When transporting datasets via "External Synchronization" or "Content Transport", updates were occasionally not recognized. The error only occurred if an input component was set to the value NULL. In this case, the value was ignored during the transport and an existing value in the target project was not updated. This error has been corrected.
CORE-11913	An error was fixed that could cause information in languages that are only present in the target project to be lost when transporting FS_LIST data migrated to FS_CATALOG. This problem affected all converted FS_LIST input components (discontinued with 2020-01) if they were converted with FirstSpirit version 2019-12 or 2020-01.

9.9 FirstSpirit Content as a Service (CaaS)

ID	Description
CXT-879	When using the module "FirstSpirit CXT FragmentCreator - CaaS Integration", releases and other switching of workflows are now also taken into account during the event-based generation of fragments on the preview CaaS server. In addition, an error has been fixed that prevented the generation by task from being completed.
CXT-1158	When the "FirstSpirit CXT FragmentCreator - CaaS Integration" is being used, all affected fragments are now transferred correctly to the required CaaS instance again, even if they have been generated for each schedule by the server.

9.10 FirstSpirit Content Experience Tools (CXT)

ID	Description
CXT-879	When using the module "FirstSpirit CXT FragmentCreator - CaaS Integration", releases and other switching of workflows are now also taken into account during the event-based generation of fragments on the preview CaaS server. In addition, an error has been fixed that prevented the generation by task from being completed.
CXT-1122 CXT-1149 CXT-1173 CXT-1218 CXT-1219 CXT-1250	FragmentCreator's graphical interface is currently being revised. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): FragmentCreator: Design revision".
CXT-1158	When the "FirstSpirit CXT FragmentCreator - CaaS Integration" is being used, all affected fragments are now transferred correctly to the required CaaS instance again, even if they have been generated for each schedule by the server.
CXT-1215	In rare cases, creating a new variant or starting workflows had to be executed twice in succession.
CXT-1262	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

9.11 FirstSpirit Administrator

ID	Description
CORE-8756	In addition to using the context menu, the order of the project languages ("FirstSpirit ServerManager / Project / Properties / Languages") can now also be changed by using the mouse pointer (drag-and-drop). Further information can be found in chapter "Administration: Change the order of the project languages by drag-and-drop".
CORE-11607	Project archiving has been improved in the latest FirstSpirit release. Using project archiving (the "Archive old project states" schedule), all automatically calculated media/pictures whose resolutions have already been deleted in the project can now be removed from the image cache. Further information can be found in chapter "Repository: Improved archiving function ".
CORE-11870 CXT-11809	Rollout of the new ContentCreator Further information can be found in chapter "ContentCreator: Rollout of the new ContentCreator".
CXT-879	When using the module "FirstSpirit CXT FragmentCreator - CaaS Integration", releases and other switching of workflows are now also taken into account during the event-based generation of fragments on the preview CaaS server. In addition, an error has been fixed that prevented the generation by task from being completed.
CXT-1158	When the "FirstSpirit CXT FragmentCreator - CaaS Integration" is being used, all affected fragments are now transferred correctly to the required CaaS instance again, even if they have been generated for each schedule by the server.
CXT-1209	Update of internally used software Further information can be found in chapter "System: Update of internally used software".
CXT-1262	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

9.12   FirstSpirit API

ID	Description
CXT-1162	A problem relating to the FirstSpirit Omnichannel Manager, the `WE_API.Preview.reload` method, and the `WE_API.Preview.getWindow` method (FirstSpirit Developer API, `de.espirit.firstspirit.webedit.client.api` package, `Preview` interface) has been resolved.

9.13   FragmentCreator

ID	Description
CXT-1122 CXT-1149 CXT-1173 CXT-1218 CXT-1219 CXT-1250	FragmentCreator's graphical interface is currently being revised. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): FragmentCreator: Design revision".
CXT-1215	In rare cases, creating a new variant or starting workflows had to be executed twice in succession.
CXT-1262	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

9.14   Integrated software

ID	Description
CXT-1209	Update of internally used software Further information can be found in chapter "System: Update of internally used software".

9.15   Support for JSON

ID	Description
CORE-11800	With the current FirstSpirit release a new version of the JSON output format is released. From FirstSpirit 2020-02 the new format version 1.1 is used (standard setting). The previous format version 1.0 remains supported but is to be replaced in the medium term. Further information can be found in chapter "General: New JSON format version 1.1".

9.16   Migration

ID	Description
CORE-11835	An error was fixed that could cause data not to be displayed when migrating the input component FS_LIST (discontinued with 2020-01) to FS_INDEX. The problem only occurred in rare cases in connection with inconsistent data.
CORE-11906	If a particular key term (e.g. FS_LIST) is selected in a FirstSpirit template and the "F1" key (or optionally the "Help" button) is pressed at the same time, the FirstSpirit documentation for this subject area is opened. For deprecated input components, the FirstSpirit documentation refers to alternative input components (e.g. FS_REFERENCE instead of CMS_INPUT_PICTURE). For the input component FS_LIST (that is no longer available) and all deprecated input components replaced by FS_LIST (e.g. CMS_INPUT_CONTENTLIST), the documentation refers to the corresponding migration guide.
CORE-11913	An error was fixed that could cause information in languages that are only present in the target project to be lost when transporting FS_LIST data migrated to FS_CATALOG. This problem affected all converted FS_LIST input components (discontinued with 2020-01) if they were converted with FirstSpirit version 2019-12 or 2020-01.

9.17   Modules

ID	Description
CXT-1262	FirstSpirit Content Experience Tools: Latest module versions

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

9.18   Omnichannel Manager / Third Party Preview

ID	Description
CXT-1162	A problem relating to the FirstSpirit Omnichannel Manager, the `WE_API.Preview.reload` method, and the `WE_API.Preview.getWindow` method (FirstSpirit Developer API, `de.espirit.firstspirit.webedit.client.api` package, `Preview` interface) has been resolved.

9.19   Performance

ID	Description
CORE-11607	Project archiving has been improved in the latest FirstSpirit release. Using project archiving (the "Archive old project states" schedule), all automatically calculated media/pictures <u>whose resolutions have already been deleted in the project</u> can now be removed from the image cache. Further information can be found in chapter "Repository: Improved archiving function ".
CORE-11870 CXT-11809	Rollout of the new ContentCreator Further information can be found in chapter "ContentCreator: Rollout of the new ContentCreator".

9.20   Editor

ID	Description
CORE-11871	The "Mithras Energy" demo project (for ContentCreator and SiteArchitect) will be dropped in the future and will no longer be distributed with FirstSpirit. Further information can be found in chapter "General: Announcement: FirstSpirit Experience Accelerator".

ID	Description
CXT-1122 CXT-1149 CXT-1173 CXT-1218 CXT-1219 CXT-1250	FragmentCreator's graphical interface is currently being revised. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): FragmentCreator: Design revision".
CXT-1215	In rare cases, creating a new variant or starting workflows had to be executed twice in succession.

9.21 Server Administrator

ID	Description
CORE-11796	The metaspace (another native memory area next to the heap) is automatically managed by the Java VM. A different configuration of this memory area, for example using the parameters `MetaspaceSize` or `MaxMetaspaceSize,` is no longer recommended. Further information can be found in chapter "Administration: Metaspace: Note on the configuration of the Java VM".

9.22 ServerManager

ID	Description
CORE-8756	In addition to using the context menu, the order of the project languages ("FirstSpirit ServerManager / Project / Properties / Languages") can now also be changed by using the mouse pointer (drag-and-drop). Further information can be found in chapter "Administration: Change the order of the project languages by drag-and-drop".
CORE-11607	Project archiving has been improved in the latest FirstSpirit release. Using project archiving (the "Archive old project states" schedule), all automatically calculated media/pictures <u>whose resolutions have already been deleted in the project</u> can now be removed from the image cache. Further information can be found in chapter "Repository: Improved archiving function ".

9.23   SiteArchitect

ID	Description
CORE-11871	The "Mithras Energy" demo project (for ContentCreator and SiteArchitect) will be dropped in the future and will no longer be distributed with FirstSpirit. Further information can be found in chapter "General: Announcement: FirstSpirit Experience Accelerator".

9.24   Sessions

ID	Description
CORE-11740	

9.25   Languages

ID	Description
CORE-8756	In addition to using the context menu, the order of the project languages ("FirstSpirit ServerManager / Project / Properties / Languages") can now also be changed by using the mouse pointer (drag-and-drop). Further information can be found in chapter "Administration: Change the order of the project languages by drag-and-drop".