FirstSpirit™
Unlock Your Content

Release Notes
FirstSpirit™ 2019-11

Status	**RELEASED**
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e-Spirit

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1   ContentCreator

1.1   ContentCreator re-design: Current time scheduling

The design of the FirstSpirit ContentCreator is currently being revised. In principle, the new design does not involve any functional changes for editors. However, the user guidance at some central points has been additionally optimized.
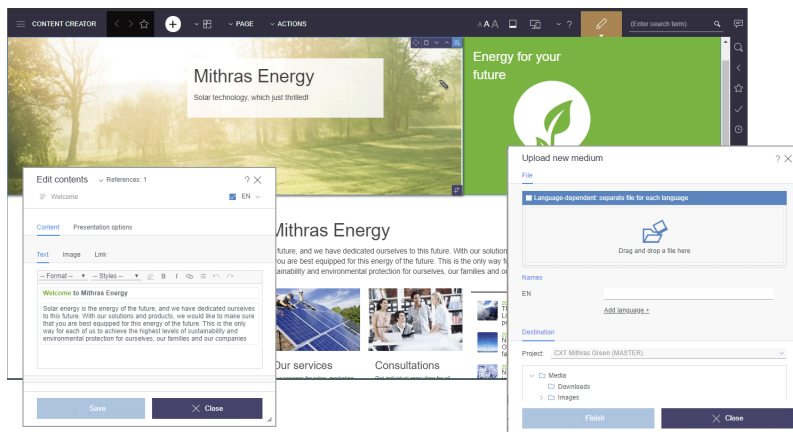
At the same time, the development of ContentCreator and of MicroApp Framework (FragmentCreator, MicroApps...) will be placed on a common technological basis, so that functionalities implemented in the future will be directly available for both ContentCreator and CXT.

As of FirstSpirit 2019-10, the revised ContentCreator is in its ramp-up phase and is available for testing to selected customers and partners. Feedback from this phase is included immediately in the development process.

The further time schedule is as follows:

- *FirstSpirit 2020-01*: Official release of the revised ContentCreator. You can easily switch between old and new ContentCreator using a checkbox in FirstSpirit ServerManager.

- *FirstSpirit 2020-02/03*: The revised ContentCreator is used by default for all projects (first for cloud customers, then also for on-premise customers). If necessary, you can switch back to the "old" ContentCreator by deactivating the checkbox.

- *FirstSpirit 2020-07*: Removal of the "old" ContentCreator. Then all customers will only have access to the revised ContentCreator.

The user documentation for the ContentCreator is currently being revised and adapted to the new design. With FirstSpirit 2019-11, the presentation in this documentation already partially corresponds to the future interface and may differ from the ContentCreator you are using.

Note on migration: In principle, switching to the revised ContentCreator does not involve any migration effort. Only in very rare cases can compatibility problems with customer-specific modules occur. Early testing of the revised ContentCreator on customer-specific development instances is therefore recommended so that such problems can be resolved at short notice, if necessary with the support of e-Spirit.

2 Input components

2.1 FS_LIST: Start of the ramp-down phase: Deprecation warnings

With FirstSpirit version 5.2R3 the input component FS_LIST, for creating and maintaining lists, has been deprecated:
FirstSpirit support of the input component is planned to be discontinued from January 2020 on.

In order to make the phasing out of FS_LIST as low-risk as possible, the removal is carried out in several steps.
the ramp down phase for the FS_LIST input component starts with FirstSpirit 2019-11:

1. **With FirstSpirit 2019-11** in all projects, when generating or previewing data from the FS_LIST input component a **deprecation warning** will be logged. The component remains fully functional, though, and can still be used.

2. **With FirstSpirit 2020-01** the input component is deactivated by default in all projects. The component can no longer be used from this point on. That means:
   - forms with FS_LIST can no longer be edited and

   - the expected output will no longer be generated.

3. In order to minimize the risk of production problems, particularly for customers with longer update cycles, during a six months transition period it will be possible to temporarily re-active FS_LIST. In order to do so please contact e-Spirit Technical Support.

4. **With FirstSpirit 2020-07** the input component will be **removed** from FirstSpirit, and can no longer be used in any project from that moment on.

> **!** e-Spirit recommends developers and end users to switch to alternative FirstSpirit input components at an early stage.
> Before updating to FirstSpirit 2020-01 or higher, all FS_LIST uses must be converted to one of the successor components.

As replacements the input components FS_CATALOG, FS_INDEX, and CMS_INPUT_SECTIONLIST are available, likewise providing functionality for the bundling of contents and thus largely taking over the FS_LIST use cases.

- FS_LIST, type DATABASE can be replaced by an FS_INDEX input component.

- FS_LIST, type INLINE can be replaced by an FS_CATALOG input component.

- FS_LIST with tag MEDIAMODE can be replaced by an FS_INDEX input component, when using the `DatasetDataAccessPlugin` (tag `SOURCE`), which is delivered with FirstSpirit by default.

- FS_LIST, type PAGE can be replaced by the input component CMS_INPUT_SECTIONLIST.

- FS_LIST, type SERVICE can be replaced by an FS_INDEX input component, when using a corresponding data access plug-in.

A detailed guide for the transition of existing projects is provided via the FirstSpirit Documentation .

> **!** After the transition to the new input components a return to FS_LIST is not possible - not even after a server downgrade.

Please contact e-Spirit Technical Support if you have questions or feedback regarding the migration away from FS_LIST.

2.2   Media Galleries in SiteArchitect (Alternative to FS_LIST)

Images from the Media Store can be output in FirstSpirit in a gallery view.

Until now, only the input component for creating and managing lists `FS_LIST` with tag `MEDIAMODE` could be used to maintain the media gallery (e.g. selecting the images that should belong to the gallery). This input component is expected to be omitted on 01.01.2020.

As of the current FirstSpirit release, the FirstSpirit SiteArchitect provides a new way of maintaining media galleries.

(This functionality is already supported in ContentCreator - see FirstSpirit Release Notes 2019-10).

Configuration

For this purpose an input component of type `FS_INDEX` (instead of `FS_LIST` as before) can be used with the `DatasetDataAccessPlugin` which is supplied as standard (tag `SOURCE`):

Example (template for creating and maintaining the gallery, "Gallery template"):

```
<FS_INDEX name="st_picturelist" useLanguages="no">
    <LANGINFOS>
      <LANGINFO lang="*" label="Pictures"/>
      <LANGINFO lang="DE" label="Bilder"/>
    </LANGINFOS>
    <SOURCE name="DatasetDataAccessPlugin">
      <TEMPLATE uid="Products.gallery_media"/>
    </SOURCE>
</FS_INDEX>
```

The `uid` attribute in the `TEMPLATE` tag specifies the reference name of the table template in which the media is stored.

To store the images in the relevant table, an `FS_REFERENCE` component must be defined in the corresponding table template:

Example (table template for storing the images):

```
<FS_REFERENCE name="cs_picture" hFill="yes" upload="yes">
    <FILTER>
        <ALLOW type="PICTURE"/>
    </FILTER>
    <LANGINFOS>
      <LANGINFO lang="*" label="Medium"/>
    </LANGINFOS>
</FS_REFERENCE>
```

If this FS_REFERENCE component is selected on the "Properties" tab of the "Table template" in the field "Drop Editor" (in this example: "cs_picture"), the SiteArchitect editor can drop images (e.g. from the media store or from the local file system) into the open form of the table template:
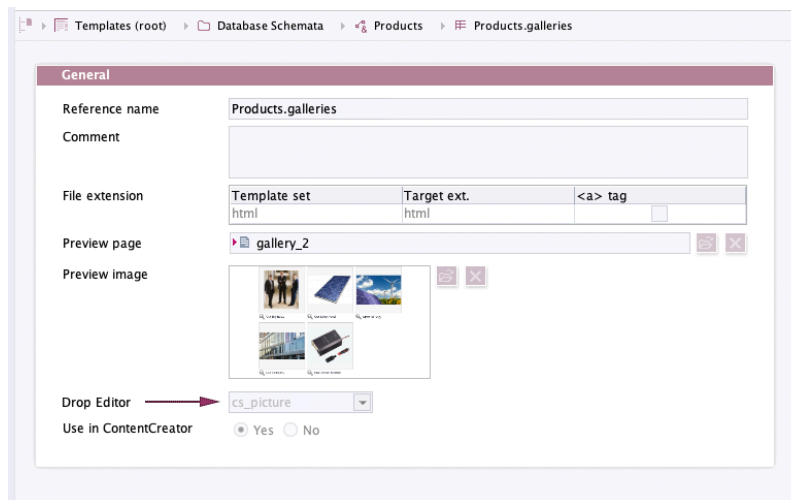
Properties - Table template- Configure Drop Editor
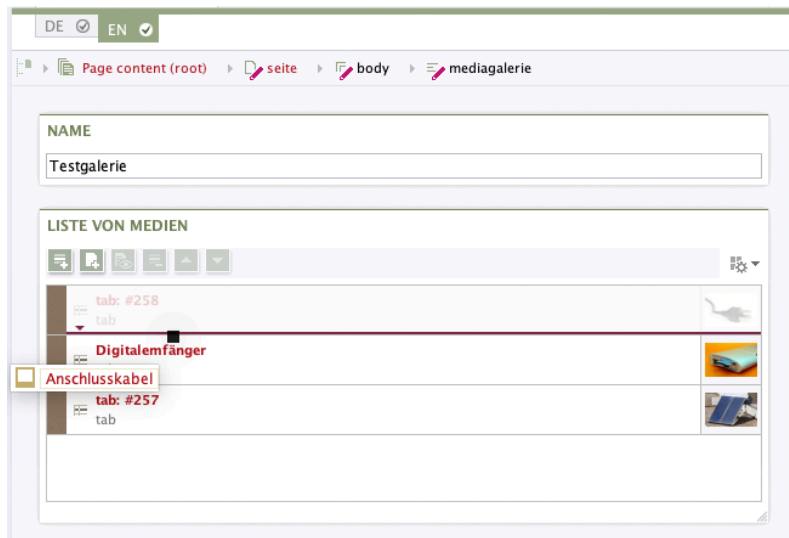
Drag-and-drop into the media gallery

In the example described, the component not only allows you to select images that already exist in the project, but also to upload new images (due to the attribute `upload="yes"`). After the drop, a dialog opens in which the storage location for the new image to be uploaded can be determined.

With each drop of an image a new entry is created in the `FS_INDEX` component in which the image is referenced. At the same time, a dataset with the dropped image is created in the referenced table. If there are mandatory fields in the dataset to be created that must be filled in by the editor, or rule violations that prevent storing, the editing window with the available input components opens after releasing the mouse button.

Notes

- Drag-and-drop of multiple images simultaneously is currently not supported.

- The FS_INDEX component allows you to drop images into the open form. If images are to be dropped directly onto the preview, FS_BUTTON with `NewListEntryExecutable` can be used for this:

Example for the "Form" tab:

```
<FS_BUTTON
    name="pt_createIndexElement"
    hidden="yes"
    icon="fs:new"
    onDrop=
     "class:de.espirit.firstspirit.webedit.server.executables.NewListEntryExecutable"
    style="firstspirit"
    useLanguages="no">
    <LANGINFOS>
      <LANGINFO lang="*" label="Create mediaelement"/>
    </LANGINFOS>
</FS_BUTTON>
```

Example for the "Output" tab:

```
<span$CMS_VALUE(
        fsbutton(
            editorName:"pt_createIndexElement",
            parameter:{"editorId": editorId(editorName:"st_picturelist", json: true)}
        )
)$></span>
```

3   FirstSpirit Content Experience Tools (CXT)

3.1   Latest module versions

FirstSpirit 2019-11 supports the following module versions for "FirstSpirit Content Experience Tools":

Module / file name	Version number
FirstSpirit CXT DAP Bridge	1.22
`dataservice-[version].fsm`	
FirstSpirit CXT FragmentCreator	1.29
`fragment-creator-[version].fsm`	
FirstSpirit Fragment DAP	1.19
`fragmentdap-[version].fsm`	
FirstSpirit Media DAP	1.19
`mediadap-[version].fsm`	
FirstSpirit Markdown Editor	1.16*

```
markdown-editor-[version].fsm
```

FirstSpirit Tagging Editor   1.16

```
tagging-editor-[version].fsm
```

FirstSpirit CXT FragmentCreator - CaaS   1.13
Integration

```
caas-integration-[version].fsm
```

* The module "FirstSpirit Markdown Editor" requires from version 1.14 FirstSpirit 2019-08 or higher.

3.2   Configuring the start page

Access to FirstSpirit FragmentCreator is via the FirstSpirit start page. To enable FragmentCreator to be accessed via the corresponding icon and be called via the start page, this must be configured accordingly:

1.   Install the "FirstSpirit CXT FragmentCreator" module

2.   Create the global web app (e.g., */fragments*)

3.   Add / install / update the "FragmentCreator" web component there:
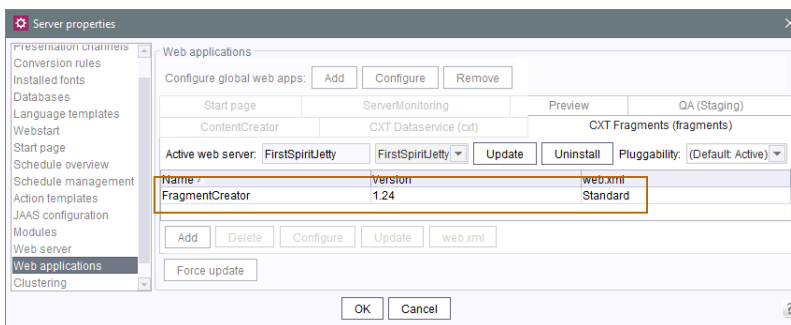
Previously, the "ApplicationPlugin: FragmentCreator (WebApp)" web component then had to be added to the "Start page":
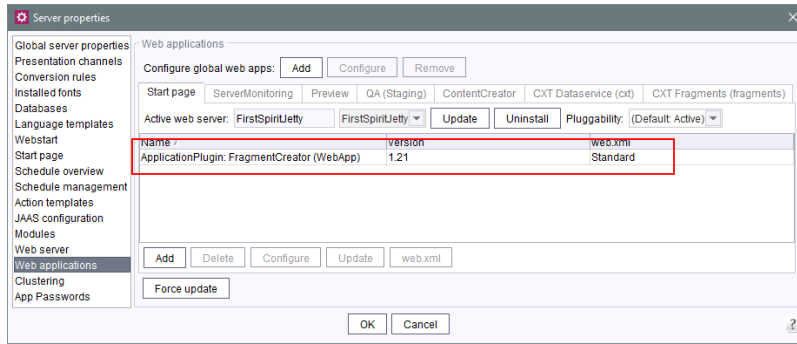
As of **FirstSpirit 2019-11**, this web component is added automatically as soon as the "FragmentCreator" web component has been installed or updated in the global web app (step 3). The dialog box in the ServerManager must be closed by clicking "OK" after step 3.

The ApplicationPlugin for FragmentCreator then has to be added in the "Start page" area, as was previously the case:
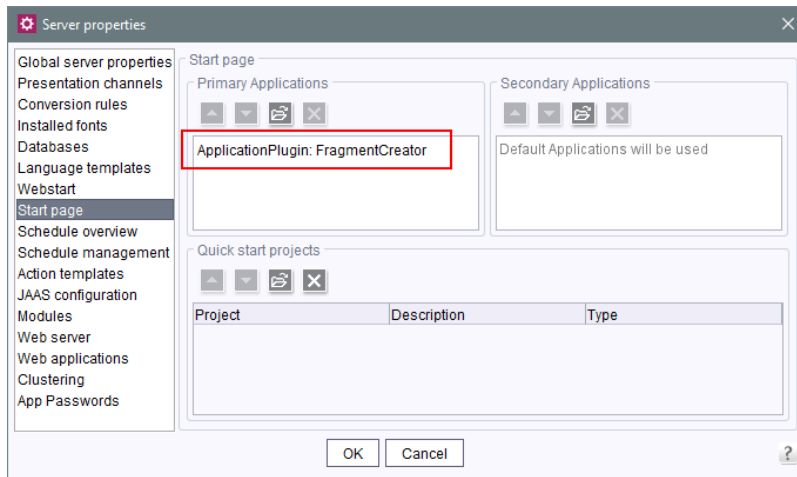
For more information, see Documentation for "FirstSpirit Content Experience Tools (CXT)",

- "Installation / Modules / Installing modules / FragmentCreator" page

- "Installation / Modules / Access via the FirstSpirit start page" page

3.3 "CaaS Integration" module: Defining the name of the collection freely

Data is stored in "FirstSpirit Content as a Service" (CaaS) in so-called "collections". In the case of FirstSpirit Content Experience Tools, the data from a fragment project for which the "CaaS Integration" module is used for communication with FirstSpirit CaaS is transferred by default to a collection with the reference name of the page template of the respective fragment type. In this way fragments of a project are stored in different collections on the FirstSpirit CaaS.

If you want the fragments of a project to be stored in **one** collection – regardless of the fragment type – you can now define a name for the collection for each project as of the current release. This is done in the dialog for configuring the project component "CXT CaaS Integration Configuration":
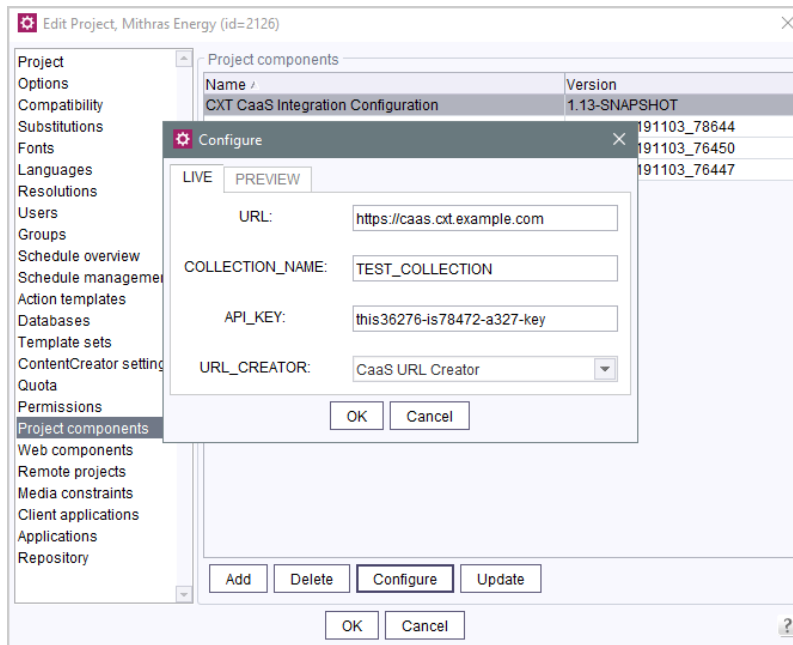
If you leave this field empty, the reference name of the page template of the respective fragment type will be used as before.

Note for existing installations: After updating the module, it may be necessary to restart the FirstSpirit server.

For more information

- about configuring the module "FirstSpirit CXT FragmentCreator - CaaS Integration" please see Documentation for "FirstSpirit Content Experience Tools (CXT)", "Projects / Configure CaaS"

- about configuring the module "Content as a Service" please see related documentation, especially Chapter "Saving the content in CaaS"

3.4 New mandatory parameter in file "web.xml": "externalBaseUrl"

In the `web.xml` file of the "FragmentCreator" WebApp component configured in the corresponding global WebApp for FragmentCreator, the new parameter

```
externalBaseUrl
```

must be defined to ensure that the MicroApps continue to be available for editing fragments ("FirstSpirit ServerManager / Server properties / Web applications"):
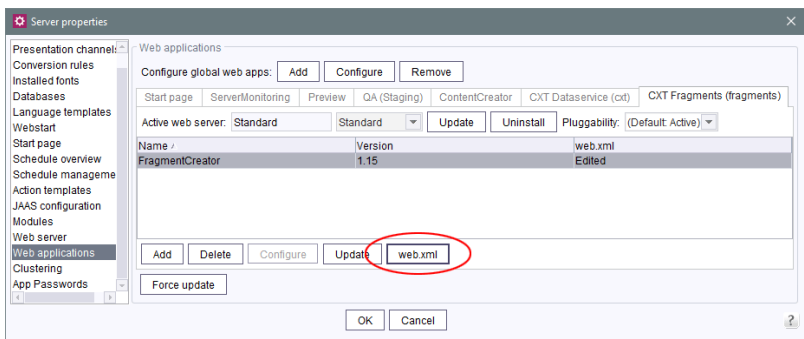
The parameter expects the URL used to publicly access Fragment Creator.

The value is **not** pre-assigned. If it is not set, FragmentCreator (and accordingly its MicroApps) must be publicly accessible via the same address that has been entered in the `webServiceBaseUrl` parameter.

However, the URL defined via `webServiceBaseUrl` is generally only used for server-to-server communication.

If FragmentCreator can be publicly accessed via address `https://cms.example.com/fragments/`, for example, the following entry must be added to the `web.xml`.

```
<context-param>
 <param-name>externalBaseUrl</param-name>
 <param-value>https://cms.example.com/fragments/</param-value>
</context-param>
```

4   Media

4.1   Support for the WebP image format (SiteArchitect)

In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type.

WebP is a modern image format for static or animated images. WebP offers improved compression, enables better performance when loading pages, faster downloads, and lower data consumption overall (compared with formats such as PNG and JPEG).

Following successful upload, the images are available in the project's Media Store as Picture type media.

Note: The upload of media (to the Media Store of a project) can be restricted to certain file formats using the "Restrict allowed media types" option. If restrictions have been defined for a project, the WebP format has to be added to the list of "Permitted extensions" (see Restrict allowed media types).

> **!** It is currently not possible to create new media in WebP format in ContentCreator.

Existing WebP format media (from the Media Store) can be used as follows in SiteArchitect and ContentCreator:

- It can be referenced (e.g., in an input component of type `FS_REFERENCE`)

- It can be cropped

- It can be shown in the preview

Images in WebP format can also be uploaded and referenced in FragmentCreator.

Animation is not supported when editing images in SiteArchitect, i.e. after cropping a WebP image in SiteArchitect, the animation effect is no longer present.

> **!** The WebP image format is not supported by all browsers.

5 Module Development, Scripts, API

5.1 Interface "RenderingAgent" extended

FirstSpirit content can be generated via the RenderingAgent interface (package: `de.espirit.firstspirit.agency`, FirstSpirit Developer API). This allows a separate generation for certain dynamic contents that can be controlled directly via the API.

With the current FirstSpirit version the method `linkRoot()` can now accept an object of type `PageRefFolder` (package `de.espirit.firstspirit.access.store.sitestore`). The calculations of relative links then take place in the context of this node.

Previously, only objects of type `PageRef` and `Media` could be passed to the method.

5.2 FS_INDEX: Reading out data via the API has been simplified ("createSession")

As previously announced, FirstSpirit support for the FS_LIST input component is scheduled to cease in January 2020. e-Spirit recommends that developers and end users transition to alternative FirstSpirit input components, such as FS_INDEX, in advance of this date.

To simplify the transition to FS_INDEX, the `createSession` method has been added to the `Index` interface (`de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API) in the latest FirstSpirit release.

To read out the data of an FS_INDEX component that uses the `DatasetDataAccessPlugin`, the `DataAccessSession` (`de.espirit.firstspirit.client.plugin.dataaccess` package) previously had to be generated using the API via `GomIndexSource` (`de.espirit.firstspirit.access.store.templatestore.gom.lists` package).

In the latest update, the `DataAccessSession` can now be created directly via the FormField of the FS_INDEX input component.

It is important to note that a new session is generated in each case if

```
<de.espirit.firstspirit.client.access.editor.lists.Index>.createSession(@NotNull
    SpecialistsBroker broker)
```

is used.

The previous method continues to work and is also the recommended option if the session is required for a more global application (e.g., for data migration).

6   SiteArchitect

6.1   JSON: new behavior when validating JSON content

The call `$CMS_SET(#global.stopGenerate, true)$` in the template set of a page template can be used to prevent generation for this template. This may be useful if, for example, a PDF or JSON version of a document is not required.
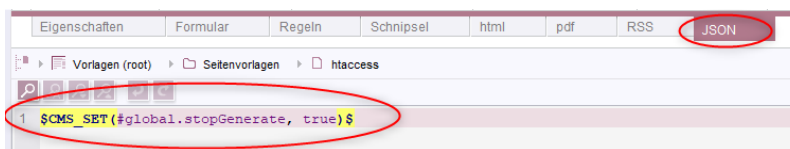
JSON template set – stopGenerate

In the latest FirstSpirit release, a problem affecting the use of the JSON validator in conjunction with the call of `$CMS_SET(#global.stopGenerate, true)$` has been resolved.

Previous behavior when validating JSON content:

- an empty JSON document is not valid

The call `$CMS_SET(#global.stopGenerate, true)$` for an otherwise empty JSON output therefore resulted in the following generation error:

```
INFO (...): generating page reference 'htaccess' (id=87736, JSON, DE)
ERROR (...): INVALID JSON: unexpected EOF
INFO (...): generate of page (id=87736) stopped
```

Current behavior when validating JSON content:

- an empty JSON document is valid

As a result of the change:

- an empty JSON output containing the call `$CMS_SET(#global.stopGenerate, true)$` will no longer generate an error.

- a JSON output that first writes JSON content and calls `$CMS_SET(#global.stopGenerate, true)$` later on will only produce generation errors if the source text that has previously been generated is not a valid JSON at the time `$CMS_SET(#global.stopGenerate, true)$` is called.

Example of valid JSON output:

```
$CMS_SET(#global.stopGenerate, true)$
```

and

```
{} $CMS_SET(#global.stopGenerate, true)$
```

Example of invalid JSON output:

```
{
$CMS_SET(#global.stopGenerate, true)$
}
```

7 SiteArchitect / ServerManager

7.1 FirstSpirit Launcher: using the proxy settings of the operating system

In the latest FirstSpirit release, the FirstSpirit Launcher supports the use of proxy operating system settings.

Supported proxy setting types in Windows and macOS:

- automatic proxy configuration via a PAC script

- manual proxy configuration

Configuration: Proxy settings are not taken into account in the default configuration. To use the proxy settings, the `java.net.useSystemProxies=true` parameter must be set in the connection settings (see Configuring connection settings).

Once the parameter (`java.net.useSystemProxies=true`) has been set, the proxies set in the operating system (including a configured PAC script where necessary) are evaluated and forwarded to the FirstSpirit Launcher.

If the proxy is deactivated, the default configuration is applied (direct connection without proxy).

Java 11 or later must be used for this to be supported.

8 System

8.1 Update of internally used software

With the current FirstSpirit release, the following, internally used software has been updated:

- **ASM** (Library for analyzing and modifying Java bytecode)
  Update from version 7.1 to 7.2

- **Eclipse Jetty** (contained in the module `fs-jetty.fsm` / "FirstSpirit Jetty Service")
  Update from version 9.4.19 to version 9.4.21

> **!** As before, use of Eclipse Jetty for production purposes is not recommended!

9   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	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	

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	
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	
Java Web Start support for FirstSpirit	2019-10	June 2020
FirstSpirit ContentCreator (old design / old technology)	2019-11	July 2020

10 Overview

ID	Description	Categories
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type. Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)".	Editor, FragmentCreator, Media, Media Constraints, Media Store, SiteArchitect
CORE-9796	For the CMS_LABEL design element, a line break is automatically inserted in SiteArchitect for longer texts.	Input Components, SiteArchitect
CORE-10523	A change to the behavior of Google Chrome (up to version 77) may have meant that new sections that had not yet been saved were persistently stored unintentionally when the browser tab was closed, enabling rule restrictions to be bypassed in some cases.	ContentCreator, Editor
CORE-10560	The consideration of an running archiving in the recalculation of references and search indexing was optimized.	Archiving, Server Administrator
CORE-10715	In the latest FirstSpirit release, the FirstSpirit Launcher supports the use of proxy operating system settings. To use the proxy settings, the `java.net.useSystemProxies=true` parameter must be set in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: FirstSpirit Launcher: using the proxy settings of the operating system".	FirstSpirit Administrator, Launcher, Security, SiteArchitect
CORE-11077 CORE-11173	In the current FirstSpirit release, updated internally used software. Further information can be found in chapter "System: Update of internally used software".	Integrated software

ID	Description	Categories
CORE-11096	The behavior during the validation of JSON content has been changed in the latest FirstSpirit release. The call `$CMS_SET(#global.stopGenerate, true)$` for an otherwise empty JSON output no longer results in a generation error. Further information can be found in chapter "SiteArchitect: JSON: new behavior when validating JSON content".	Generation, Support for JSON, Template Development, Template Store
CORE-11140	When exporting a project with the "Limit number of exported revisions" option, the "Export automatically calculated image resolutions" option was ignored. This problem has been fixed.	FirstSpirit Administrator, Project export / import, ServerManager
CORE-11175	A problem has been fixed which could cause that when using the input component FS_INDEX in the errors of the preview not all corresponding messages were displayed.	Developer, Generation, Input Components
CORE-11194	As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before). Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)".	Data Access Plug-In, Developer, Editor, Input Components, Media, SiteArchitect
CORE-11199	The process for reading out the data of an FS_INDEX component with `DatasetDataAccessPlugin` via the API has been simplified (new `createSession` method in the `de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API). Further information can be found in chapter "Module Development, Scripts, API: FS_INDEX: Reading out data via the API has been simplified ("createSession")".	Advanced URL, Data Access Plug-In, Developer, FirstSpirit API, Module development
CORE-11201	In the cluster mode of FirstSpirit a log message of level WARN was repeatedly generated as a consequence of a properly closed connection. This messages was downgraded to DEBUG so that it should no longer appear in productive systems.	Clustering, Server Administrator
CORE-11267	When using the spell check in the rich text editor (CMS_INPUT_DOM and CMS_INPUT_DOMTABLE), it was possible that spaces were removed accidentally.	ContentCreator, Editor, Spell Checker

ID	Description	Categories
CORE-11301	For section references too, validations were performed by mistake and, where applicable, rule violations were displayed. This error has been resolved.	Dynamic Forms, Editor, SiteArchitect
CORE-11312	Forms containing special combinations of CMS_GROUP and/or rule definitions are now displayed correctly again in SiteArchitect.	Developer, Dynamic Forms, Editor, Input Components, SiteArchitect
CORE-11321	Saving a `$CMS_SET(...)$` call to define a set (`java.util.Set`) was temporarily not possible.	Developer, Template Development
CORE-11357	Fixed a problem where in some cases the dialog window for testing LDAP settings could not be opened from the settings of the personalization module.	Modules, ServerManager
CORE-11366	Support for the FS_LIST input component is scheduled to be dropped in January 2020. The ramp down phase is multi-leveled and starts with a deprecation warning in FirstSpirit 2019-11. Further information can be found in chapter "Input components: FS_LIST: Start of the ramp-down phase: Deprecation warnings".	ContentCreator, Developer, Input Components, SiteArchitect, Template Development
CORE-11369	With the current FirstSpirit release, a concurrency problem with the initialization of the preview in SiteArchitect has been fixed.	Preview, SiteArchitect
CORE-11380	The loading behavior of libraries for image scaling has been optimized, meaning that these are now only loaded if they are actually needed.	Server Administrator
CORE-11442	With the current FirstSpirit version the method `linkRoot()`, interface `RenderingAgent` (Package: `de.espirit.firstspirit.agency`, FirstSpirit Developer API) can now accept an object of type `PageRefFolder`. The calculations of relative links then take place in the context of this node. Further information can be found in chapter "Module Development, Scripts, API: Interface "RenderingAgent" extended".	Developer, FirstSpirit API, Module development

ID	Description	Categories
CORE-11474	When using the input component CMS_INPUT_SECTIONLIST, a generation warning that the input component had been discontinued was issued erroneously.	Developer, Generation, Input Components
CXT-666	New mandatory parameter in file `web.xml`: `externalBaseUrl` Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): New mandatory parameter in file "web.xml": "externalBaseUrl"".	FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT)
CXT-679	As of the current release, the name of the collection can now be freely defined in the dialog for configuring the project component "CXT CaaS Integration Configuration". Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): "CaaS Integration" module: Defining the name of the collection freely".	FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FirstSpirit Content as a Service (CaaS), ServerManager
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.	Data Access Plug-In, Dynamic Forms, Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Media
CXT-707	When using `CxtMicroApps.getButtons(context)` the context is now checked for validity and buttons are only delivered with a valid fragment / variant.	Developer, FirstSpirit API, FirstSpirit Content Experience Tools (CXT)
CXT-736	The timing of the automatic saving in FragmentCreator has been optimized to avoid unnecessary change conflicts (error message "Conflicting changes!").	Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator
CXT-968	Any errors that occur when using the DAP Bridge now generate more detailed log messages. This is particularly useful during initial setup. Logging must be configured accordingly using either the `web.xml` file of the fragment module or the property file.	Debugging, Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), Module development

ID	Description	Categories
CXT-972	As of FirstSpirit 2019-11, the "ApplicationPlugin: FragmentCreator (WebApp)" web component is automatically added to the web app "start page" as soon as the "FragmentCreator" web component has been installed or updated in the global web app. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Configuring the start page".	FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FirstSpirit home page, FragmentCreator, ServerManager
CXT-1038	In a previous version the usage of media references, as provided by the "Media DAP" module, required the specification of a `PROJECT` tag. In older projects that did not provide such specification, the following error was prompted: `Invalid definition for tag 'SOURCE': Must define a a project!` With this release, specifying a `PROJECT` tag is only required when referring to **remote** project media. This tag is optional for media from the same **local** project, as not specifying the tag is treated as an implicit self-reference.	Developer, FirstSpirit Content Experience Tools (CXT), Media
CXT-1048	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 as a Service (CaaS), FragmentCreator, Modules
CXT-1061	The design and technical basis of the FirstSpirit ContentCreator are currently being revised. The revised ContentCreator will be officially released as of FirstSpirit 2020-01, the "old" ContentCreator will be discontinued as planned as of FirstSpirit 2020-07. Further information can be found in chapter "ContentCreator: ContentCreator re-design: Current time scheduling".	ContentCreator, Editor, FirstSpirit Administrator

11 Categories

11.1 Advanced URL

ID	Description
CORE-11199	The process for reading out the data of an FS_INDEX component with `DatasetDataAccessPlugin` via the API has been simplified (new `createSession` method in the `de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API). Further information can be found in chapter "Module Development, Scripts, API: FS_INDEX: Reading out data via the API has been simplified ("createSession")".

11.2 Archiving

ID	Description
CORE-10560	The consideration of an running archiving in the recalculation of references and search indexing was optimized.

11.3 Clustering

ID	Description
CORE-11201	In the cluster mode of FirstSpirit a log message of level WARN was repeatedly generated as a consequence of a properly closed connection. This messages was downgraded to DEBUG so that it should no longer appear in productive systems.

11.4 ContentCreator

ID	Description
CORE-10523	A change to the behavior of Google Chrome (up to version 77) may have meant that new sections that had not yet been saved were persistently stored unintentionally when the browser tab was closed, enabling rule restrictions to be bypassed in some cases.

ID	Description
CORE-11267	When using the spell check in the rich text editor (CMS_INPUT_DOM and CMS_INPUT_DOMTABLE), it was possible that spaces were removed accidentally.
CORE-11366	Support for the FS_LIST input component is scheduled to be dropped in January 2020. The ramp down phase is multi-leveled and starts with a deprecation warning in FirstSpirit 2019-11. Further information can be found in chapter "Input components: FS_LIST: Start of the ramp-down phase: Deprecation warnings".
CXT-1061	The design and technical basis of the FirstSpirit ContentCreator are currently being revised. The revised ContentCreator will be officially released as of FirstSpirit 2020-01, the "old" ContentCreator will be discontinued as planned as of FirstSpirit 2020-07. Further information can be found in chapter "ContentCreator: ContentCreator re-design: Current time scheduling".

11.5   Data Access Plug-In

ID	Description
CORE-11194	As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before). Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)".
CORE-11199	The process for reading out the data of an FS_INDEX component with `DatasetDataAccessPlugin` via the API has been simplified (new `createSession` method in the `de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API). Further information can be found in chapter "Module Development, Scripts, API: FS_INDEX: Reading out data via the API has been simplified ("createSession")".
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.

11.6   Debugging

ID	Description
CXT-968	Any errors that occur when using the DAP Bridge now generate more detailed log messages. This is particularly useful during initial setup. Logging must be configured accordingly using either the `web.xml` file of the fragment module or the property file.

11.7   Dynamic Forms

ID	Description
CORE-11301	For section references too, validations were performed by mistake and, where applicable, rule violations were displayed. This error has been resolved.
CORE-11312	Forms containing special combinations of CMS_GROUP and/or rule definitions are now displayed correctly again in SiteArchitect.
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.

11.8   Input Components

ID	Description
CORE-9796	For the CMS_LABEL design element, a line break is automatically inserted in SiteArchitect for longer texts.
CORE-11175	A problem has been fixed which could cause that when using the input component FS_INDEX in the errors of the preview not all corresponding messages were displayed.
CORE-11194	As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before). Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)".
CORE-11312	Forms containing special combinations of CMS_GROUP and/or rule definitions are now displayed correctly again in SiteArchitect.

ID	Description
CORE-11366	Support for the FS_LIST input component is scheduled to be dropped in January 2020. The ramp down phase is multi-leveled and starts with a deprecation warning in FirstSpirit 2019-11. Further information can be found in chapter "Input components: FS_LIST: Start of the ramp-down phase: Deprecation warnings".
CORE-11474	When using the input component CMS_INPUT_SECTIONLIST, a generation warning that the input component had been discontinued was issued erroneously.

11.9   Developer

ID	Description
CORE-11175	A problem has been fixed which could cause that when using the input component FS_INDEX in the errors of the preview not all corresponding messages were displayed.
CORE-11194	As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before). Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)".
CORE-11199	The process for reading out the data of an FS_INDEX component with `DatasetDataAccessPlugin` via the API has been simplified (new `createSession` method in the `de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API). Further information can be found in chapter "Module Development, Scripts, API: FS_INDEX: Reading out data via the API has been simplified ("createSession")".
CORE-11312	Forms containing special combinations of CMS_GROUP and/or rule definitions are now displayed correctly again in SiteArchitect.
CORE-11321	Saving a `$CMS_SET(...)$` call to define a set (`java.util.Set`) was temporarily not possible.
CORE-11366	Support for the FS_LIST input component is scheduled to be dropped in January 2020. The ramp down phase is multi-leveled and starts with a deprecation warning in FirstSpirit 2019-11.

ID	Description
	Further information can be found in chapter "Input components: FS_LIST: Start of the ramp-down phase: Deprecation warnings".
CORE-11442	With the current FirstSpirit version the method `linkRoot()`, interface `RenderingAgent` (Package: `de.espirit.firstspirit.agency`, FirstSpirit Developer API) can now accept an object of type `PageRefFolder`. The calculations of relative links then take place in the context of this node. Further information can be found in chapter "Module Development, Scripts, API: Interface "RenderingAgent" extended".
CORE-11474	When using the input component CMS_INPUT_SECTIONLIST, a generation warning that the input component had been discontinued was issued erroneously.
CXT-707	When using `CxtMicroApps.getButtons(context)` the context is now checked for validity and buttons are only delivered with a valid fragment / variant.
CXT-968	Any errors that occur when using the DAP Bridge now generate more detailed log messages. This is particularly useful during initial setup. Logging must be configured accordingly using either the `web.xml` file of the fragment module or the property file.
CXT-1038	In a previous version the usage of media references, as provided by the "Media DAP" module, required the specification of a `PROJECT` tag. In older projects that did not provide such specification, the following error was prompted: `Invalid definition for tag 'SOURCE': Must define a a project!` With this release, specifying a `PROJECT` tag is only required when referring to **remote** project media. This tag is optional for media from the same **local** project, as not specifying the tag is treated as an implicit self-reference.
CXT-1048	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

11.10 FirstSpirit Content as a Service (CaaS)

ID	Description
CXT-679	As of the current release, the name of the collection can now be freely defined in the dialog for configuring the project component "CXT CaaS Integration Configuration". Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): "CaaS Integration" module: Defining the name of the collection freely".
CXT-1048	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

11.11 FirstSpirit Content Experience Tools (CXT)

ID	Description
CXT-666	New mandatory parameter in file `web.xml`: `externalBaseUrl` Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): New mandatory parameter in file "web.xml": "externalBaseUrl"".
CXT-679	As of the current release, the name of the collection can now be freely defined in the dialog for configuring the project component "CXT CaaS Integration Configuration". Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): "CaaS Integration" module: Defining the name of the collection freely".
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.
CXT-707	When using `CxtMicroApps.getButtons(context)` the context is now checked for validity and buttons are only delivered with a valid fragment / variant.
CXT-736	The timing of the automatic saving in FragmentCreator has been optimized to avoid unnecessary change conflicts (error message "Conflicting changes!").
CXT-968	Any errors that occur when using the DAP Bridge now generate more detailed log messages. This is particularly useful during initial setup.

ID	Description
	Logging must be configured accordingly using either the `web.xml` file of the fragment module or the property file.
CXT-972	As of FirstSpirit 2019-11, the "ApplicationPlugin: FragmentCreator (WebApp)" web component is automatically added to the web app "start page" as soon as the "FragmentCreator" web component has been installed or updated in the global web app. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Configuring the start page".
CXT-1038	In a previous version the usage of media references, as provided by the "Media DAP" module, required the specification of a `PROJECT` tag. In older projects that did not provide such specification, the following error was prompted: `Invalid definition for tag 'SOURCE': Must define a a project!` With this release, specifying a `PROJECT` tag is only required when referring to **remote** project media. This tag is optional for media from the same **local** project, as not specifying the tag is treated as an implicit self-reference.

11.12 FirstSpirit home page

ID	Description
CXT-972	As of FirstSpirit 2019-11, the "ApplicationPlugin: FragmentCreator (WebApp)" web component is automatically added to the web app "start page" as soon as the "FragmentCreator" web component has been installed or updated in the global web app. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Configuring the start page".

11.13 FirstSpirit Administrator

ID	Description
CORE-10715	In the latest FirstSpirit release, the FirstSpirit Launcher supports the use of proxy operating system settings. To use the proxy settings, the `java.net.useSystemProxies=true` parameter must be set in the connection settings.

ID	Description
	Further information can be found in chapter "SiteArchitect / ServerManager: FirstSpirit Launcher: using the proxy settings of the operating system".
CORE-11140	When exporting a project with the "Limit number of exported revisions" option, the "Export automatically calculated image resolutions" option was ignored. This problem has been fixed.
CXT-666	New mandatory parameter in file `web.xml`: `externalBaseUrl` Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): New mandatory parameter in file "web.xml": "externalBaseUrl"".
CXT-679	As of the current release, the name of the collection can now be freely defined in the dialog for configuring the project component "CXT CaaS Integration Configuration". Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): "CaaS Integration" module: Defining the name of the collection freely".
CXT-968	Any errors that occur when using the DAP Bridge now generate more detailed log messages. This is particularly useful during initial setup. Logging must be configured accordingly using either the `web.xml` file of the fragment module or the property file.
CXT-972	As of FirstSpirit 2019-11, the "ApplicationPlugin: FragmentCreator (WebApp)" web component is automatically added to the web app "start page" as soon as the "FragmentCreator" web component has been installed or updated in the global web app. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Configuring the start page".
CXT-1048	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".
CXT-1061	The design and technical basis of the FirstSpirit ContentCreator are currently being revised. The revised ContentCreator will be officially released as of FirstSpirit 2020-01, the "old" ContentCreator will be discontinued as planned as of FirstSpirit 2020-07. Further information can be found in chapter "ContentCreator: ContentCreator re-design: Current time scheduling".

11.14 FirstSpirit API

ID	Description
CORE-11199	The process for reading out the data of an FS_INDEX component with `DatasetDataAccessPlugin` via the API has been simplified (new `createSession` method in the `de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API). Further information can be found in chapter "Module Development, Scripts, API: FS_INDEX: Reading out data via the API has been simplified ("createSession")".
CORE-11442	With the current FirstSpirit version the method `linkRoot()`, interface `RenderingAgent` (Package: `de.espirit.firstspirit.agency`, FirstSpirit Developer API) can now accept an object of type `PageRefFolder`. The calculations of relative links then take place in the context of this node. Further information can be found in chapter "Module Development, Scripts, API: Interface "RenderingAgent" extended".
CXT-707	When using `CxtMicroApps.getButtons(context)` the context is now checked for validity and buttons are only delivered with a valid fragment / variant.

11.15 FragmentCreator

ID	Description
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type. Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)".
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.
CXT-736	The timing of the automatic saving in FragmentCreator has been optimized to avoid unnecessary change conflicts (error message "Conflicting changes!").

ID	Description
CXT-972	As of FirstSpirit 2019-11, the "ApplicationPlugin: FragmentCreator (WebApp)" web component is automatically added to the web app "start page" as soon as the "FragmentCreator" web component has been installed or updated in the global web app. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Configuring the start page".
CXT-1048	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

11.16 Generation

ID	Description
CORE-11096	The behavior during the validation of JSON content has been changed in the latest FirstSpirit release. The call `$CMS_SET(#global.stopGenerate, true)$` for an otherwise empty JSON output no longer results in a generation error. Further information can be found in chapter "SiteArchitect: JSON: new behavior when validating JSON content".
CORE-11175	A problem has been fixed which could cause that when using the input component FS_INDEX in the errors of the preview not all corresponding messages were displayed.
CORE-11474	When using the input component CMS_INPUT_SECTIONLIST, a generation warning that the input component had been discontinued was issued erroneously.

11.17 Integrated software

ID	Description
CORE-11077 CORE-11173	In the current FirstSpirit release, updated internally used software. Further information can be found in chapter "System: Update of internally used software".

11.18 Support for JSON

ID	Description
CORE-11096	The behavior during the validation of JSON content has been changed in the latest FirstSpirit release. The call `$CMS_SET(#global.stopGenerate, true)$` for an otherwise empty JSON output no longer results in a generation error. Further information can be found in chapter "SiteArchitect: JSON: new behavior when validating JSON content".

11.19 Launcher

ID	Description
CORE-10715	In the latest FirstSpirit release, the FirstSpirit Launcher supports the use of proxy operating system settings. To use the proxy settings, the `java.net.useSystemProxies=true` parameter must be set in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: FirstSpirit Launcher: using the proxy settings of the operating system".

11.20 Media

ID	Description
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type. Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)".
CORE-11194	As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before). Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)".

ID	Description
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.
CXT-1038	In a previous version the usage of media references, as provided by the "Media DAP" module, required the specification of a `PROJECT` tag. In older projects that did not provide such specification, the following error was prompted: `Invalid definition for tag 'SOURCE': Must define a a project!` With this release, specifying a `PROJECT` tag is only required when referring to **remote** project media. This tag is optional for media from the same **local** project, as not specifying the tag is treated as an implicit self-reference.

11.21 Media Constraints

ID	Description
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type. Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)".

11.22 Media Store

ID	Description
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type. Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)".

11.23 Module development

ID	Description
CORE-11199	The process for reading out the data of an FS_INDEX component with `DatasetDataAccessPlugin` via the API has been simplified (new `createSession` method in the `de.espirit.firstspirit.client.access.editor.lists` package, FirstSpirit Developer API). Further information can be found in chapter "Module Development, Scripts, API: FS_INDEX: Reading out data via the API has been simplified ("createSession")".
CORE-11442	With the current FirstSpirit version the method `linkRoot()`, interface `RenderingAgent` (Package: `de.espirit.firstspirit.agency`, FirstSpirit Developer API) can now accept an object of type `PageRefFolder`. The calculations of relative links then take place in the context of this node. Further information can be found in chapter "Module Development, Scripts, API: Interface "RenderingAgent" extended".
CXT-968	Any errors that occur when using the DAP Bridge now generate more detailed log messages. This is particularly useful during initial setup. Logging must be configured accordingly using either the `web.xml` file of the fragment module or the property file.

11.24 Modules

ID	Description
CORE-11357	Fixed a problem where in some cases the dialog window for testing LDAP settings could not be opened from the settings of the personalization module.
CXT-1048	FirstSpirit Content Experience Tools: Latest module versions Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Latest module versions".

11.25 Project export / import

ID	Description
CORE-11140	When exporting a project with the "Limit number of exported revisions" option, the "Export automatically calculated image resolutions" option was ignored. This problem has been fixed.

11.26 Spell Checker

ID	Description
CORE-11267	When using the spell check in the rich text editor (CMS_INPUT_DOM and CMS_INPUT_DOMTABLE), it was possible that spaces were removed accidentally.

11.27 Editor

ID	Description
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type.

Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)". |
| CORE-10523 | A change to the behavior of Google Chrome (up to version 77) may have meant that new sections that had not yet been saved were persistently stored unintentionally when the browser tab was closed, enabling rule restrictions to be bypassed in some cases. |
| CORE-11194 | As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before).

Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)". |
| CORE-11267 | When using the spell check in the rich text editor (CMS_INPUT_DOM and CMS_INPUT_DOMTABLE), it was possible that spaces were removed accidentally. |

ID	Description
CORE-11301	For section references too, validations were performed by mistake and, where applicable, rule violations were displayed. This error has been resolved.
CORE-11312	Forms containing special combinations of CMS_GROUP and/or rule definitions are now displayed correctly again in SiteArchitect.
CXT-692	Checking of the `SIZE` tag in rule definition for the FS_INDEX input component (restriction of the number of elements that can be selected) has been improved.
CXT-736	The timing of the automatic saving in FragmentCreator has been optimized to avoid unnecessary change conflicts (error message "Conflicting changes!").
CXT-1061	The design and technical basis of the FirstSpirit ContentCreator are currently being revised. The revised ContentCreator will be officially released as of FirstSpirit 2020-01, the "old" ContentCreator will be discontinued as planned as of FirstSpirit 2020-07. Further information can be found in chapter "ContentCreator: ContentCreator re-design: Current time scheduling".

11.28 Server Administrator

ID	Description
CORE-10560	The consideration of an running archiving in the recalculation of references and search indexing was optimized.
CORE-11201	In the cluster mode of FirstSpirit a log message of level WARN was repeatedly generated as a consequence of a properly closed connection. This messages was downgraded to DEBUG so that it should no longer appear in productive systems.
CORE-11380	The loading behavior of libraries for image scaling has been optimized, meaning that these are now only loaded if they are actually needed.

11.29 ServerManager

ID	Description
CORE-11140	When exporting a project with the "Limit number of exported revisions" option, the "Export automatically calculated image resolutions" option was ignored. This problem has been fixed.

ID	Description
CORE-11357	Fixed a problem where in some cases the dialog window for testing LDAP settings could not be opened from the settings of the personalization module.
CXT-679	As of the current release, the name of the collection can now be freely defined in the dialog for configuring the project component "CXT CaaS Integration Configuration". Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): "CaaS Integration" module: Defining the name of the collection freely".
CXT-972	As of FirstSpirit 2019-11, the "ApplicationPlugin: FragmentCreator (WebApp)" web component is automatically added to the web app "start page" as soon as the "FragmentCreator" web component has been installed or updated in the global web app. Further information can be found in chapter "FirstSpirit Content Experience Tools (CXT): Configuring the start page".

11.30 Security

ID	Description
CORE-10715	In the latest FirstSpirit release, the FirstSpirit Launcher supports the use of proxy operating system settings. To use the proxy settings, the `java.net.useSystemProxies=true` parameter must be set in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: FirstSpirit Launcher: using the proxy settings of the operating system".

11.31 SiteArchitect

ID	Description
CORE-8414	In the latest FirstSpirit release, FirstSpirit supports the upload of images in WebP format via SiteArchitect (via the context menu or via drag-and-drop) by automatically detecting the MIME type. Further information can be found in chapter "Media: Support for the WebP image format (SiteArchitect)".

ID	Description
CORE-9796	For the CMS_LABEL design element, a line break is automatically inserted in SiteArchitect for longer texts.
CORE-10715	In the latest FirstSpirit release, the FirstSpirit Launcher supports the use of proxy operating system settings. To use the proxy settings, the `java.net.useSystemProxies=true` parameter must be set in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: FirstSpirit Launcher: using the proxy settings of the operating system".
CORE-11194	As of the current FirstSpirit release, FirstSpirit SiteArchitect provides a new way of maintaining media galleries (via FS_INDEX instead of FS_LIST as before). Further information can be found in chapter "Input components: Media Galleries in SiteArchitect (Alternative to FS_LIST)".
CORE-11301	For section references too, validations were performed by mistake and, where applicable, rule violations were displayed. This error has been resolved.
CORE-11312	Forms containing special combinations of CMS_GROUP and/or rule definitions are now displayed correctly again in SiteArchitect.
CORE-11366	Support for the FS_LIST input component is scheduled to be dropped in January 2020. The ramp down phase is multi-leveled and starts with a deprecation warning in FirstSpirit 2019-11. Further information can be found in chapter "Input components: FS_LIST: Start of the ramp-down phase: Deprecation warnings".
CORE-11369	With the current FirstSpirit release, a concurrency problem with the initialization of the preview in SiteArchitect has been fixed.

11.32 Template Store

ID	Description
CORE-11096	The behavior during the validation of JSON content has been changed in the latest FirstSpirit release. The call `$CMS_SET(#global.stopGenerate, true)$` for an otherwise empty JSON output no longer results in a generation error.

ID	Description
	Further information can be found in chapter "SiteArchitect: JSON: new behavior when validating JSON content".

11.33 Template Development

ID	Description
CORE-11096	The behavior during the validation of JSON content has been changed in the latest FirstSpirit release. The call `$CMS_SET(#global.stopGenerate, true)$` for an otherwise empty JSON output no longer results in a generation error. Further information can be found in chapter "SiteArchitect: JSON: new behavior when validating JSON content".
CORE-11321	Saving a `$CMS_SET(...)$` call to define a set (`java.util.Set`) was temporarily not possible.
CORE-11366	Support for the FS_LIST input component is scheduled to be dropped in January 2020. The ramp down phase is multi-leveled and starts with a deprecation warning in FirstSpirit 2019-11. Further information can be found in chapter "Input components: FS_LIST: Start of the ramp-down phase: Deprecation warnings".

11.34 Preview

ID	Description
CORE-11369	With the current FirstSpirit release, a concurrency problem with the initialization of the preview in SiteArchitect has been fixed.