



# FirstSpirit™

*Unlock Your Content*

## Release Notes

### FirstSpirit™ 2020-08

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#### e-Spirit AG

Stockholmer Allee 24  
44269 Dortmund | Germany

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

[info@e-Spirit.com](mailto:info@e-Spirit.com)  
[www.e-Spirit.com](http://www.e-Spirit.com)

e-Spirit

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## 1 Administration / Modules

### 1.1 Improved stability of the system when running module updates during live operation

Further improvements have been made for better system stability when running module updates during live operation. In most cases, corresponding updates can be completed without having to restart the FirstSpirit Server.

**Note:** The increased stability of the system has been achieved through available module resources that are in use outside the module remaining online.

For example, if the classes of a module that is being updated are being used by another module, this service should be restarted subsequently.

**Note:** A server restart must be performed to ensure that resources from old module versions are no longer being used. A server restart is still recommended after a module update.

## 2 General

### 2.1 Code signing certificate update

In the current FirstSpirit release, the content of FirstSpirit jar files is signed with a new certificate. An update of the FirstSpirit Server is not necessary.

## 3 ContentCreator

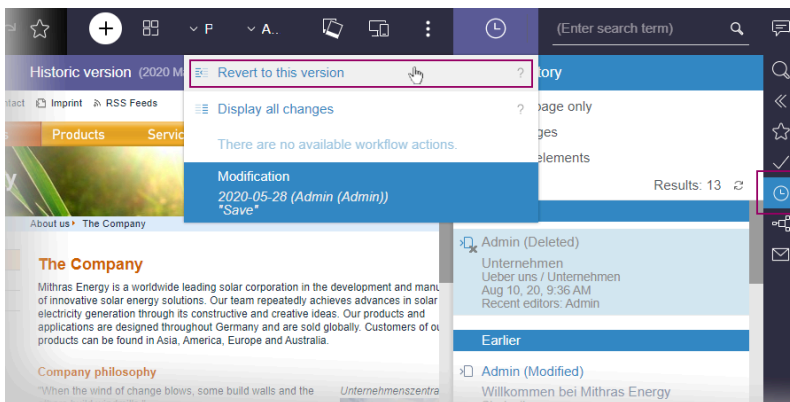
### 3.1 Restoring deleted pages

Deleted pages can now be restored in FirstSpirit ContentCreator via the status menu.

To do this, the deleted page must first be searched for in the project history. By clicking on the corresponding entry, the page is displayed in the state in which it was deleted.

By clicking on the menu item “Revert to this version” in the status menu





the page can be restored.

Both the page and the menu item are restored (if a menu item was available).

In combination with “BasicWorkflows” (module file *basicworkflows.fsm*), problems may occur when restoring.

## 4 External Synchronization

### 4.1 Transporting the Activity Status of Schedule Entries

When importing new and existing schedule entries using the “External Synchronization” function, the **activity status of the schedule entries** can now be transferred from the source project to the target projects.

The activity status can be managed via the command line tool FSDevTools (fs-cli) or via the FirstSpirit Developer API.

#### Via the command line tool FSDevTools (fs-cli):

With FSDevTools, the command line call is triggered by the `--import-schedule-entry-active-state` parameter.

Example:

```
D:\fs-cli\bin> fs-cli -h example.com [connectionparameters] import --import-schedule-entry-active-state
```



If the parameter is set, the activity status of new and existing schedule entries is transferred from the source project to the target projects. For existing schedule entries, the value in the target project may be overwritten by the value from the source project.

If the parameter is not set, the activity status of new schedule entries is set to inactive (active=false) by default when you import them. Existing schedule entries remain unchanged in the target projects.

### Via the FirstSpirit Developer API:

The new method `setImportScheduleEntryActiveState(boolean)` of the `ImportOperation` interface (FirstSpirit Developer API, package `de.espirit.firstspirit.store.access.nexport.operations`) is used to manage the activity status of the schedule entries in the target projects.

Possible values:

- `false`: Default case, `false`: If the value `false` is set or the method is not called (standard case), the activity status is set to inactive (active=false) by default when importing new schedule entries. Existing schedule entries remain unchanged in the target projects.
- `true`: If the value `true` is set, the activity status of new and existing schedule entries is transferred from the source project to the target projects. For existing schedule entries, the value in the target project may be overwritten by the value from the source project.

### Example:

```
import de.espirit.firstspirit.agency.OperationAgent;
import de.espirit.firstspirit.store.access.nexport.operations.ImportOperation;
import de.espirit.firstspirit.io.FileSystemsAgent;
importOp =
context.requireSpecialist(OperationAgent.TYPE).getOperation(ImportOperation.TYPE);
fileSystem =
context.requireSpecialist(FileSystemsAgent.TYPE).getOSFileSystem("c:/fs-cli/exam/");
importOp.setImportScheduleEntryActiveState(true);
importOp.perform(fileSystem);
```





## Further information:

- Interface `ImportOperation` (FirstSpirit Developer-API, package `de.espirit.firstspirit.store.access.nexport.operations`)
- [Import via FSDevTools](#)

## 5 FirstSpirit Content Experience Tools (CXT)

### 5.1 "SameSite" attribute for cookies

Since the beginning of this year, many browsers have been restricting third-party cookies ("Cross site") for security and data protection reasons: If cookies could previously be used in a third-party context by default, the attribute `SameSite=None` must now be set explicitly. Cookies without a `SameSite` attribute no longer allow third-party use.

`SameSite` is a cookie attribute that prevents the browser from automatically sending cookies with cross-site requests and thus offers protection against cross-site request forgery (CSRF). The attribute also allows you to define which cookies can be read in which context.

The current release responds to this request for the MicroApp Framework: The MicroApp Framework uses cookies for communication between MicroApps and FragmentCreator, for example. Without the attribute `SameSite=None`, problems can occur if the REST API is to be used (for example, for the integration of customer-specific MicroApps), but this is on a different domain than the one the user has just opened in the browser.

Now the attribute `SameSite` of the CSRF token can be set for the MicroApp Framework using the parameter

```
cxt.platform.csrf-samesite
```

in the `web.xml` file of the "FragmentCreator" module or in the `cxt-fragment-creator.properties` file.

By default, the value of this attribute is `Unset`, i.e.

```
cxt.platform.csrf-samesite=Unset
```



With this configuration, the attribute for the cross-site cookie is **not** set. This corresponds to the previous behavior and as well to the state if `cxt.platform.csrf-samesite` is not defined.

To ensure that the MicroApp Framework can be fully used even if the REST API is used, one of the following values must be set:

- *None*: If no value was previously specified, the browser automatically recognized this as a third-party cookie. This enabled users to be identified across different web pages, for example. The MicroApp Framework also benefits from this functionality in some places. In order for this behavior to continue to be possible (e.g. with Google Chrome from version 80), the attribute `SameSite=None` must now be explicitly set.  
**Important:** `SameSite=None` requires a “Secure” flag. This defines that a cookie is always sent over a secure HTTPS connection.
- *Lax*: This mode provides an appropriate balance between security and usability for websites: The cookie is only sent if the URL in the browser matches the URL stored in the cookie. However, cross-site requests are also possible if top-level navigation is performed and secure HTTP methods are used.
- *Strict*: The cookie is only sent if the URL in the browser matches the URL stored in the cookie. No login information is then passed on to other websites, for example, even if the user follows a link from another page or from an e-mail. This mode offers good protection against cross-site request forgery and is useful for websites with sensitive content, for example.

## 5.2 Latest module versions

FirstSpirit 2020-08 supports the following module versions for “FirstSpirit Content Experience Tools”:

Module / file name	Version number
FirstSpirit CXT DAP Bridge <code>dataservice-[version].fsm</code>	1.31
FirstSpirit CXT FragmentCreator <code>fragment-creator-[version].fsm</code>	2.9
FirstSpirit Fragment DAP <code>fragmentdap-[version].fsm</code>	1.27
FirstSpirit Media DAP <code>mediadap-[version].fsm</code>	1.24*



FirstSpirit PageRef DAP pagerefdap-[version].fsm	1.1
FirstSpirit Markdown Editor markdown-editor-[version].fsm	1.22*
FirstSpirit Tagging Editor tagging-editor-[version].fsm	1.22
FirstSpirit CXT FragmentCreator - CaaS Integration caas-integration-[version].fsm	1.23

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

### 5.3 FragmentCreator: Improved handling for media upload

The component “FS\_INDEX” with module “Media DAP” is used for uploading and selecting media in FragmentCreator. As of the current release, a number of improvements have been made to the user interface:

#### Maximum file size

Up to now, an upload was limited to a file size of up to 10 MB. Error message in the browser console: `CxtElement request firstspirit-media-upload-widget/uploadMedia failed: 500.`

As of the current release, the maximum file size allowed for an upload is **64 MB** by default.

If media that are larger than the configured values are dropped into the corresponding dialog, this is indicated in the dialog after the drop and the media in question are not uploaded into the project when the upload process is started using the “UPLOAD” button.

If necessary, this value can be adjusted using the following parameters in the *web.xml* file of the “FragmentCreator” module or in the *cxt-fragment-creator.properties* file:

- `spring.servlet.multipart.max-file-size`: Allowed file size for a medium uploaded via upload dialog.

The value must not be greater than the value for `spring.servlet.multipart.max-request-size`.

For possible size specifications, see class `DataSize` (Spring Framework).

Default value: *64MB*



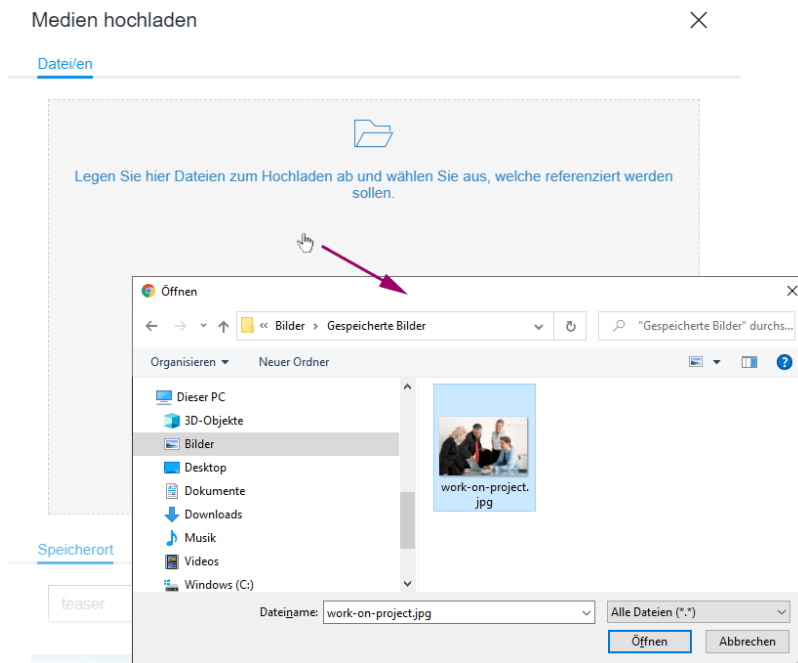
- `spring.servlet.multipart.max-request-size`: Each file is transferred in a separate HTTP request. Therefore, the value specified here must be at least as large as `spring.servlet.multipart.max-file-size`.  
For possible size specifications, see class `DataSize` (Spring Framework).  
Default value: *64MB*

Further configuration options regarding file size for media uploads are (still) available via the FirstSpirit ServerManager under “Project properties / Media restrictions”. Settings for media sizes can also be specified there for the remote project into which media are to be uploaded using FragmentCreator, for example.

These can compete with those for the upload dialog of the FragmentCreator.

### Upload via file selection dialog

Until now, media to be uploaded to the project were dragged and dropped into a corresponding dialog. As of the current release, the media to be uploaded can now also be selected via file selection dialog. The file selection dialog can be opened by clicking into the grey area.



### Upload from another browser window/tab

In addition to an upload from the workstation, images can now be dragged into the upload dialog from other browser windows/tabs.



To enable this, the server that delivers the image must allow cross-origin requests.

For more information please see

- for developers:  
<https://docs.e-spirit.com/odfs/edocs/cxt/templates/access-media/index.html>
- for editors:  
<https://docs.e-spirit.com/odfs/edocs/cxt/fragment-creato/input-elements/index.html#upload>
- for the file `web.xml`:  
<https://docs.e-spirit.com/odfs/edocs/cxt/installation-mo/installing-modu/fragmentcreator/index.html>

## 5.4 MicroApps: Cancel fragment creation

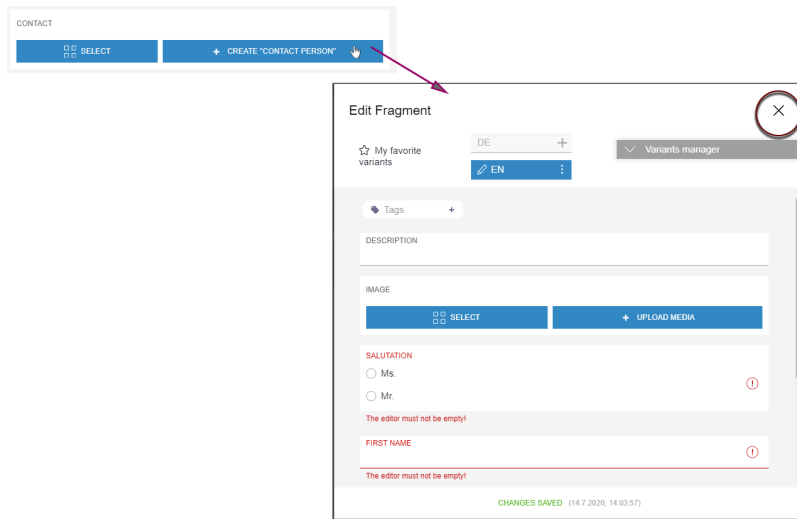
The MicroApp of the FragmentCreator “Create fragment” is used by the input component FS\_INDEX with Fragment DAP and Tag CATEGORY, for example

```
<FS_INDEX name="contact" useLanguages="no">
  <LANGINFOS>
    <LANGINFO lang="*" label="Contact"/>
    <LANGINFO lang="DE" label="Ansprechpartner"/>
  </LANGINFOS>
  <SOURCE name="FirstSpiritFragmentAccess/FSFACconnector">
    <PROJECT remote="fragments">
      <CATEGORY uid="news"/>
    </PROJECT>
  </SOURCE>
</FS_INDEX>
```

(See also Documentation for “FirstSpirit Content Experience Tools (CXT)”, [Templates / Using fragments](#).)

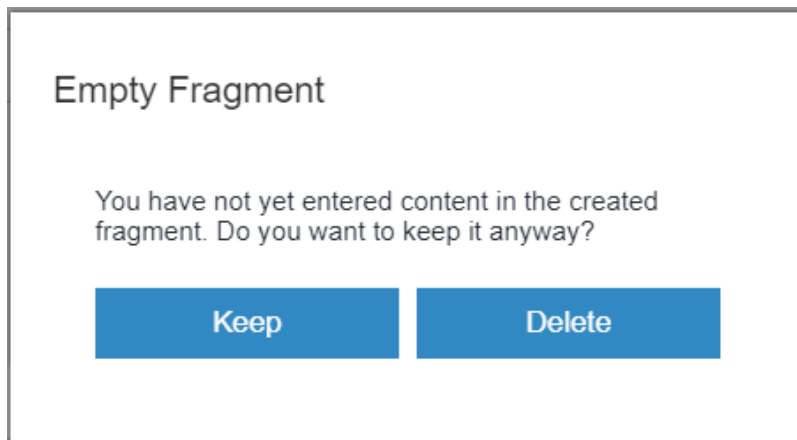
The “CREATE” button opens a window with the input elements of the fragment to be created. If no content is entered in the input elements and the dialog is closed using the X, an (empty) fragment has been created so far (folders and pages in the Page Store).





As of the current release, you can now choose whether the (empty) fragment should actually be created in the project or not.

With a click on the X the following dialog opens:



- If the user selects “Delete”, no data is stored in the project.
- If the user selects “Keep”, an empty fragment is created and stored in the project.

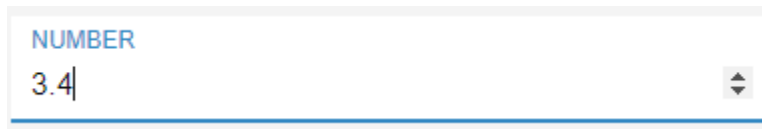


## 5.5 New input component for the input of numerical values: CMS\_INPUT\_NUMBER

In the current release, FragmentCreator also supports CMS\_INPUT\_NUMBER, the input component for the input of numerical values.

Example:

```
<CMS_INPUT_NUMBER name="number" useLanguages="no">
  <LANGINFOS>
    <LANGINFO lang="" label="Number"/>
    <LANGINFO lang="DE" label="Zahl"/>
  </LANGINFOS>
</CMS_INPUT_NUMBER>
```

A screenshot of a web browser showing a text input field. The field has a light blue border and a light blue background. The text 'NUMBER' is displayed in blue above the input area. The input area contains the text '3.4' in black. To the right of the input area is a small blue downward-pointing arrow icon.

Integer numbers (including negatives) can be input in this input component by default. The exponential symbol  $E$  or  $e$  is also possible, e.g.,  $1.7976931348623057e+308$ .

In addition, the `type` attribute can be used to control whether it should be possible to input floating-point/decimal numbers. The `min` and `max` attributes can be used to specify a value range. Invalid inputs are not saved; they are rejected and a corresponding message is displayed.

User operation varies depending on the browser being used: Google Chrome and Microsoft Edge do not permit the input of letters in the component (with the exception of the exponential symbol  $E$  or  $e$ ); Mozilla Firefox and Apple Safari, on the other hand, permit this. In Microsoft Edge and Google Chrome, how decimal separators ( , or . ) are displayed depends primarily on the operating system language and not (only) on the browser language, whereas Mozilla Firefox takes the browser language into account. These differences are due to the implementation framework behind each individual browser and as such are out of the direct control of e-Spirit.

Moreover, the `format` attribute that can be used for FirstSpirit ContentCreator and SiteArchitect is not supported in FragmentCreator.



For more information, see <https://docs.e-spirit.com/odfs/edocs/cxt/templates/input-component/index.html>.

## 5.6 Status page shows registered MicroApps

The status page that can be set up for the MicroApp Framework (under `~/status`) now lists all currently registered MicroApps with reachability, name and URL.

**MicroApps**  
There are 7 MicroApps registered.

	Name	URL
PASSED	firstspirit-fragments-create	<a href="#">http://.../fragments/microapps/firstspirit-fragments-create</a>
PASSED	firstspirit-fragments-create-by-reference	<a href="#">http://.../fragments/microapps/firstspirit-fragments-create-by-reference</a>
PASSED	firstspirit-fragments-edit	<a href="#">http://.../fragments/microapps/firstspirit-fragments-edit</a>
PASSED	firstspirit-fragments-edit-by-reference	<a href="#">http://.../fragments/microapps/firstspirit-fragments-edit-by-reference</a>
PASSED	firstspirit-media-upload-by-command	<a href="#">http://.../fragments/microapps/firstspirit-media-upload-by-command</a>
PASSED	firstspirit-media-upload-by-reference	<a href="#">http://.../fragments/microapps/firstspirit-media-upload-by-reference</a>
PASSED	firstspirit-microapp-workflows	<a href="#">http://.../firstspirit-microapp-workflows</a>

**Note:** To test accessibility, the status page sends an empty context to each MicroApp for verification. This can lead to warning messages like this one in the log:

```
de.espirit.cxt.microapps.stereotype.UnsupportedContextException: Context is not supported
```

See also the manual for the MicroApp Framework, <https://docs.e-spirit.com/odfs/edocs/cxt/installation-mo/installing-modu/fragmentcreator/index.html>.

## 6 Module Development, Scripts, API

### 6.1 Introduction of a new Convenience.Method "isEmpty()"

The new Convenience.Method `isEmpty()` has been introduced for `de.espirit.common.util.Listable`.

With

```
de.espirit.common.util
Interface Listable<T>
```





it is possible to use `.isEmpty()` to check directly whether the corresponding object is empty (return value `true`) or not (return value `false`).

## 6.2 Determining and returning previous store elements

With the new method `getPreviousSibling()` in the Interface `StoreElement` (package `de.espirit.firstspirit.access.store`, FirstSpirit Access API) the previous `StoreElement` can now be determined and returned starting from a `StoreElement`.

## 7 SiteArchitect / ServerManager

### 7.1 Update of internally used software

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

- **Java** (JRE with which the FirstSpirit Launcher is operated)  
The new versions are:
  - 11.0.8+10 64bit AdoptOpenJDK
  - 14.0.2+12 64bit AdoptOpenJDK

## 8 System

### 8.1 FirstSpirit Server: Release of new control files for Windows and Linux

The current FirstSpirit release now includes the definitive release of the new control files for Windows and Linux operating systems. The use of these files with immediate effect is therefore recommended in live environments.

Java and the Java Service Wrapper are required to operate a FirstSpirit Server. The Java Service Wrapper and corresponding control files are provided by e-Spirit via:

- the installation archive (for new installations) or
- the update archive (for existing installations)



Both archives are available for download (please contact [Technical Support](#) for login details).

The new control files are included in both archives. They support a range of functions that were not covered by the old control files (including `install` under Linux). The functional scope of the new control files can be called up in the command line via the integrated help (Usage, Command syntax, Commands), e.g., using the `fs-server` call (under Linux):

```
test@fs_example:~$ fs-server
Usage: /home/fs_example/firstspirit/bin/fs-server [ console | start | stop | restart |
condrestart | status | install | installstart | remove | dump ]
Commands:
console      Launch in the current console.
start        Start in the background as a daemon process.
stop         Stop if running as a daemon or in another console.
restart      Stop if running and then start.
condrestart  Restart only if already running.
status       Query the current status.
install      Install to start automatically when system boots.
installstart Install and start running as a daemon process.
remove       Uninstall.
dump        Request a Java thread dump if running.
```

#### Control files in the installation or update archive:

- New: `fs-server` (for Linux)
- New: `fs-server.bat` (for Windows)
- Old: `fs5` (for Linux)
- Old: `fs5.cmd` (for Windows)

*The old control files are being **removed**. Support is scheduled to cease with FirstSpirit 2021-02.*

#### Requirement for using the new control files:

To use the new control files, the Tanuki Java Service Wrapper must be updated to version 3.5.42. This version of the wrapper is included in the latest installation and update archive.

#### Additional documentation:



- [Update of the FirstSpirit backend](#)
- [Installation via installation archive](#)
- [Controlling the FirstSpirit Server \(Linux\)](#)
- [Controlling the FirstSpirit Server \(Windows\)](#)

## 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 CMS_INPUT_CONTENTAREALIST	5.2R3	
Input component CMS_INPUT_CONTENTLIST	5.2R3	
Input component CMS_INPUT_FILE	5.2R3	
Input component CMS_INPUT_LINKLIST	5.2R3	
Input component CMS_INPUT_OBJECTCHOOSER	5.2R3	
Input component CMS_INPUT_PAGEREF	5.2R3	
Input component CMS_INPUT_PICTURE	5.2R3	
Input component CMS_INPUT_TABLIST	5.2R3	
FirstSpirit Developer API: de.espirit.firstspirit.agency.GroupsAgent	5.2R15	



Functionality	Deprecated as of	Will be removed/ Was removed as of
FirstSpirit Access API: delete (de.espirit.firstspirit.access.AccessUtil)	5.2R18	
FirstSpirit Access API: release (de.espirit.firstspirit.access.AccessUtil)	2018-06	
FirstSpirit Developer API: getLastLoginAsDate (de.espirit.firstspirit.agency.UserStatisticsAgent)	2018-07	
FirstSpirit Developer API: remainingDurationOfCurrentStageInMillis (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Developer API: getStartingTimeOfStageAsDate (de.espirit.firstspirit.server.MaintenanceModelInfo)	2018-07	
FirstSpirit Access API: getSelectedWebserverConfiguration (de.espirit.firstspirit.access.serverConfiguration)	2018-10	
FirstSpirit Access API: setSelectedWebserverConfiguration (de.espirit.firstspirit.access.serverConfiguration)	2018-10	
FirstSpirit Access API: getSelectedWebServer (de.espirit.firstspirit.access.project.Project)	2018-10	
FirstSpirit Access API: setSelectedWebServer (de.espirit.firstspirit.access.project.Project)	2018-10	
FirstSpirit Developer API: getLostAndFoundStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Developer API: getDeletedStoreNodes(); (de.espirit.firstspirit.feature.FeatureInstallResult)	2018-10	
FirstSpirit Access API: de.espirit.firstspirit.access.store.Previewable	2019-01	
WebSphere Application Server support for FirstSpirit	2019-05	



Functionality	Deprecated as of	Will be removed/ Was removed as of
Legacy mode for the FirstSpirit server and module development	2019-06	
Control files for Windows and Linux operating systems (old)	2020-08	February 2021

## 10 Overview

ID	Description	Categories
CORE-9677	<p>With the new method <code>getPreviousSibling()</code> in the Interface <code>StoreElement</code> (package <code>de.espirit.firstspirit.access.store</code>, FirstSpirit Access API) the previous <code>StoreElement</code> can now be determined and returned starting from a <code>StoreElement</code>.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Determining and returning previous store elements”.</p>	Developer, FirstSpirit API
CORE-11051	<p>If sections are being used as “section references” in multiple locations, this is displayed in the edit dialog by the term “Usages”. The number indicates in how many locations the section is being referenced/reused. The source section is now added to the number of usages.</p>	ContentCreator, Editor
CORE-11224	<p>An error has been corrected which, in very rare cases, may have resulted in a <code>java.util.ConcurrentModificationException</code> when editing datasets.</p>	Content Store, Editor, FirstSpirit Administrator, Sessions
CORE-12249	<p>The stability of the system when running module updates during live operation has been further improved.</p> <p>Further information can be found in chapter “Administration / Modules: Improved stability of the system when running module updates during live operation”.</p>	Modules



ID	Description	Categories
CORE-12281	<p>The API (FirstSpirit Access API, PackagePoolItem interface, <code>de.espirit.firstspirit.access.store</code> package) has been stabilized so that a <code>NullPointerException</code> will no longer occur when an attempt is made to remove a PackagePool element from a package that does not exist.</p>	Corporate Content, Developer, FirstSpirit API
CORE-12333	<p>The Convenience.Method <code>isEmpty()</code> has been introduced for <code>de.espirit.common.util.Listable</code>. It can be used to check whether the corresponding object is empty or not.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Introduction of a new Convenience.Method “isEmpty()””.</p>	FirstSpirit API
CORE-12435 CXT-1704	<p>In the current FirstSpirit release, the content of FirstSpirit jar files is signed with a new certificate. An update of the FirstSpirit Server is not necessary.</p> <p>Further information can be found in chapter “General: Code signing certificate update”.</p>	Server Administrator, ServerManager, SiteArchitect
CORE-12489	<p>A problem was fixed where <b>SVG</b> and <b>WebP</b> graphics formats could not be imported into projects using <code>fs-cli</code> (FSDevTools). This was caused by a missing component in the <code>fs-isolated-runtime.jar</code> normally used by <code>fs-cli</code>.</p>	Developer, FSDevTools
CORE-12504	<p>When importing new and existing schedule entries using the “External Synchronization” function, the activity status of the schedule entries can now be transferred from the source project to the target projects using the command line tool FSDevTools (<code>fs-cli</code>) or using the FirstSpirit Developer API.</p> <p>Further information can be found in chapter “External Synchronization: Transporting the Activity Status of Schedule Entries”.</p>	Developer, External synchronization, FirstSpirit API, Tasks
CORE-12561	<p>Update of internally used software.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: Update of internally used software”.</p>	Integrated software, Java, Launcher



ID	Description	Categories
CORE-12567	A problem has been solved when closing remote connections to other projects. This problem in some cases had negative effects on the main connection.	Developer
CORE-12598	<p>The current FirstSpirit release includes the definitive release of the new control files for Windows and Linux operating systems. The old control files are being <b>removed</b>.</p> <p>Further information can be found in chapter “System: FirstSpirit Server: Release of new control files for Windows and Linux”.</p>	Launcher, Server Administrator
CXT-726	<p>As of the current release, the creation of empty fragments via MicroApp can now be prevented.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): MicroApps: Cancel fragment creation”.</p>	Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator
CXT-1306 CXT-1495 CXT-1549	<p>Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.</p>	Developer, Editor, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Media, Media Store
CXT-1503	The preview is now reloaded automatically following changes to the structure of the navigation view (moving pages) so that the changes are visible immediately in the preview. Previously the preview had to be updated manually in some cases.	ContentCreator, Editor
CXT-1547	The “hidden” attribute is now also correctly evaluated in the metadata for corresponding input components in the FragmentCreator.	Developer, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Input Components



ID	Description	Categories
CXT-1572	<p>New input component for the input of numerical values: CMS_INPUT_NUMBER</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): New input component for the input of numerical values: CMS_INPUT_NUMBER”.</p>	Developer, Editor, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Input Components
CXT-1607	<p>The status page under <code>~/status</code> now lists all currently registered MicroApps with accessibility, name and URL.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Status page shows registered MicroApps”.</p>	Debugging, Developer, FirstSpirit Content Experience Tools (CXT)
CXT-1654	<p>Deleted pages can now be conveniently restored in FirstSpirit ContentCreator via the status menu</p> <p>Further information can be found in chapter “ContentCreator: Restoring deleted pages”.</p>	ContentCreator, Editor
CXT-1691	<p>In some cases, error messages displayed in FirstSpirit ContentCreator were not meaningful enough. Now the error text shows the actual cause of the error.</p>	ContentCreator, Debugging, Developer, Editor
CXT-1749	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>	Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Modules, Server Administrator, ServerManager
CXT-1757	<p>As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code>.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.</p>	Developer, FirstSpirit Administrator, FirstSpirit Content Experience Tools (CXT), FragmentCreator, Modules, Security





## 11 Categories

### 11.1 Tasks

ID	Description
CORE-12504	<p>When importing new and existing schedule entries using the “External Synchronization” function, the activity status of the schedule entries can now be transferred from the source project to the target projects using the command line tool FSDevTools (fs-cli) or using the FirstSpirit Developer API.</p> <p>Further information can be found in chapter “External Synchronization: Transporting the Activity Status of Schedule Entries”.</p>

### 11.2 ContentCreator

ID	Description
CORE-11051	If sections are being used as “section references” in multiple locations, this is displayed in the edit dialog by the term “Usages”. The number indicates in how many locations the section is being referenced/reused. The source section is now added to the number of usages.
CXT-1503	The preview is now reloaded automatically following changes to the structure of the navigation view (moving pages) so that the changes are visible immediately in the preview. Previously the preview had to be updated manually in some cases.
CXT-1654	<p>Deleted pages can now be conveniently restored in FirstSpirit ContentCreator via the status menu</p> <p>Further information can be found in chapter “ContentCreator: Restoring deleted pages”.</p>
CXT-1691	In some cases, error messages displayed in FirstSpirit ContentCreator were not meaningful enough. Now the error text shows the actual cause of the error.



## 11.3 Corporate Content

ID	Description
CORE-12281	The API (FirstSpirit Access API, PackagePoolItem interface, <code>de.espirit.firstspirit.access.store</code> package) has been stabilized so that a <code>NullPointerException</code> will no longer occur when an attempt is made to remove a <code>PackagePool</code> element from a package that does not exist.

## 11.4 Content Store

ID	Description
CORE-11224	An error has been corrected which, in very rare cases, may have resulted in a <code>java.util.ConcurrentModificationException</code> when editing datasets.

## 11.5 Debugging

ID	Description
CXT-1607	<p>The status page under <code>~/status</code> now lists all currently registered MicroApps with accessibility, name and URL.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Status page shows registered MicroApps”.</p>
CXT-1691	In some cases, error messages displayed in FirstSpirit ContentCreator were not meaningful enough. Now the error text shows the actual cause of the error.

## 11.6 Input Components

ID	Description
CXT-1547	The “hidden” attribute is now also correctly evaluated in the metadata for corresponding input components in the <code>FragmentCreator</code> .
CXT-1572	New input component for the input of numerical values: <code>CMS_INPUT_NUMBER</code>



ID	Description
	Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): New input component for the input of numerical values: CMS_INPUT_NUMBER”.

## 11.7 Developer

ID	Description
CORE-9677	<p>With the new method <code>getPreviousSibling()</code> in the Interface <code>StoreElement</code> (package <code>de.espirit.firstspirit.access.store</code>, FirstSpirit Access API) the previous <code>StoreElement</code> can now be determined and returned starting from a <code>StoreElement</code>.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Determining and returning previous store elements”.</p>
CORE-12281	The API (FirstSpirit Access API, <code>PackagePoolItem</code> interface, <code>de.espirit.firstspirit.access.store</code> package) has been stabilized so that a <code>NullPointerException</code> will no longer occur when an attempt is made to remove a <code>PackagePool</code> element from a package that does not exist.
CORE-12489	A problem was fixed where <b>SVG</b> and <b>WebP</b> graphics formats could not be imported into projects using <code>fs-cli</code> (FSDevTools). This was caused by a missing component in the <code>fs-isolated-runtime.jar</code> normally used by <code>fs-cli</code> .
CORE-12504	<p>When importing new and existing schedule entries using the “External Synchronization” function, the activity status of the schedule entries can now be transferred from the source project to the target projects using the command line tool FSDevTools (<code>fs-cli</code>) or using the FirstSpirit Developer API.</p> <p>Further information can be found in chapter “External Synchronization: Transporting the Activity Status of Schedule Entries”.</p>
CORE-12567	A problem has been solved when closing remote connections to other projects. This problem in some cases had negative effects on the main connection.
CXT-1306 CXT-1495 CXT-1549	Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.



ID	Description
	Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.
CXT-1547	The “hidden” attribute is now also correctly evaluated in the metadata for corresponding input components in the FragmentCreator.
CXT-1572	<p>New input component for the input of numerical values: CMS_INPUT_NUMBER</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): New input component for the input of numerical values: CMS_INPUT_NUMBER”.</p>
CXT-1607	<p>The status page under <code>~/status</code> now lists all currently registered MicroApps with accessibility, name and URL.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Status page shows registered MicroApps”.</p>
CXT-1691	In some cases, error messages displayed in FirstSpirit ContentCreator were not meaningful enough. Now the error text shows the actual cause of the error.
CXT-1749	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>
CXT-1757	<p>As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code>.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.</p>

## 11.8 External synchronization

ID	Description
CORE-12504	When importing new and existing schedule entries using the “External Synchronization” function, the activity status of the schedule entries can now be transferred from the source project to the target projects using the command line tool FSDevTools (fs-cli) or using the FirstSpirit Developer API.



ID	Description
	Further information can be found in chapter “External Synchronization: Transporting the Activity Status of Schedule Entries”.

## 11.9 FirstSpirit Content Experience Tools (CXT)

ID	Description
CXT-726	<p>As of the current release, the creation of empty fragments via MicroApp can now be prevented.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): MicroApps: Cancel fragment creation”.</p>
CXT-1306 CXT-1495 CXT-1549	<p>Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.</p>
CXT-1547	The “hidden” attribute is now also correctly evaluated in the metadata for corresponding input components in the FragmentCreator.
CXT-1572	<p>New input component for the input of numerical values: CMS_INPUT_NUMBER</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): New input component for the input of numerical values: CMS_INPUT_NUMBER”.</p>
CXT-1607	<p>The status page under <code>~/status</code> now lists all currently registered MicroApps with accessibility, name and URL.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Status page shows registered MicroApps”.</p>
CXT-1749	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>



ID	Description
CXT-1757	<p>As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code>.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.</p>

## 11.10 FirstSpirit Administrator

ID	Description
CORE-11224	<p>An error has been corrected which, in very rare cases, may have resulted in a <code>java.util.ConcurrentModificationException</code> when editing datasets.</p>
CXT-1306 CXT-1495 CXT-1549	<p>Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.</p>
CXT-1749	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>
CXT-1757	<p>As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code>.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.</p>



## 11.11 FirstSpirit API

ID	Description
CORE-9677	<p>With the new method <code>getPreviousSibling()</code> in the Interface <code>StoreElement</code> (package <code>de.espirit.firstspirit.access.store</code>, FirstSpirit Access API) the previous <code>StoreElement</code> can now be determined and returned starting from a <code>StoreElement</code>.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Determining and returning previous store elements”.</p>
CORE-12281	<p>The API (FirstSpirit Access API, <code>PackagePoolItem</code> interface, <code>de.espirit.firstspirit.access.store</code> package) has been stabilized so that a <code>NullPointerException</code> will no longer occur when an attempt is made to remove a <code>PackagePool</code> element from a package that does not exist.</p>
CORE-12333	<p>The Convenience.Method <code>isEmpty()</code> has been introduced for <code>de.espirit.common.util.Listable</code>. It can be used to check whether the corresponding object is empty or not.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Introduction of a new Convenience.Method “isEmpty()” ”.</p>
CORE-12504	<p>When importing new and existing schedule entries using the “External Synchronization” function, the activity status of the schedule entries can now be transferred from the source project to the target projects using the command line tool <code>FSDevTools (fs-cli)</code> or using the FirstSpirit Developer API.</p> <p>Further information can be found in chapter “External Synchronization: Transporting the Activity Status of Schedule Entries”.</p>

## 11.12 FragmentCreator

ID	Description
CXT-726	<p>As of the current release, the creation of empty fragments via <code>MicroApp</code> can now be prevented.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): MicroApps: Cancel fragment creation”.</p>



ID	Description
CXT-1306 CXT-1495 CXT-1549	<p>Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.</p>
CXT-1547	The “hidden” attribute is now also correctly evaluated in the metadata for corresponding input components in the FragmentCreator.
CXT-1572	<p>New input component for the input of numerical values: CMS_INPUT_NUMBER</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): New input component for the input of numerical values: CMS_INPUT_NUMBER”.</p>
CXT-1749	<p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>
CXT-1757	<p>As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code>.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.</p>

## 11.13 FSDevTools

ID	Description
CORE-12489	A problem was fixed where <b>SVG</b> and <b>WebP</b> graphics formats could not be imported into projects using <code>fs-cli</code> (FSDevTools). This was caused by a missing component in the <code>fs-isolated-runtime.jar</code> normally used by <code>fs-cli</code> .





## 11.14 Integrated software

ID	Description
CORE-12561	Update of internally used software.  Further information can be found in chapter “SiteArchitect / ServerManager: Update of internally used software”.

## 11.15 Java

ID	Description
CORE-12561	Update of internally used software.  Further information can be found in chapter “SiteArchitect / ServerManager: Update of internally used software”.

## 11.16 Launcher

ID	Description
CORE-12561	Update of internally used software.  Further information can be found in chapter “SiteArchitect / ServerManager: Update of internally used software”.
CORE-12598	The current FirstSpirit release includes the definitive release of the new control files for Windows and Linux operating systems. The old control files are being <b>removed</b> .  Further information can be found in chapter “System: FirstSpirit Server: Release of new control files for Windows and Linux”.



## 11.17 Media

ID	Description
CXT-1306 CXT-1495 CXT-1549	<p>Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.</p>

## 11.18 Media Store

ID	Description
CXT-1306 CXT-1495 CXT-1549	<p>Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.</p>

## 11.19 Modules

ID	Description
CORE-12249	<p>The stability of the system when running module updates during live operation has been further improved.</p> <p>Further information can be found in chapter “Administration / Modules: Improved stability of the system when running module updates during live operation”.</p>
CXT-1749	FirstSpirit Content Experience Tools: Latest module versions



ID	Description
	Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.
CXT-1757	As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code> .  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.

## 11.20 Editor

ID	Description
CORE-11051	If sections are being used as “section references” in multiple locations, this is displayed in the edit dialog by the term “Usages”. The number indicates in how many locations the section is being referenced/reused. The source section is now added to the number of usages.
CORE-11224	An error has been corrected which, in very rare cases, may have resulted in a <code>java.util.ConcurrentModificationException</code> when editing datasets.
CXT-726	As of the current release, the creation of empty fragments via MicroApp can now be prevented.  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): MicroApps: Cancel fragment creation”.
CXT-1306 CXT-1495 CXT-1549	Some improvements have been made in the FragmentCreator media upload for the user: For example, the maximum file size that should be allowed for a media upload has now been increased to 64 MB, and the size can be configured by the administrator. In addition, files can now be selected via file selection dialog and drag-and-drop of images from another browser window/tab is possible.  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): FragmentCreator: Improved handling for media upload”.
CXT-1503	The preview is now reloaded automatically following changes to the structure of the navigation view (moving pages) so that the changes are visible immediately in the preview. Previously the preview had to be updated manually in some cases.
CXT-1572	New input component for the input of numerical values: <code>CMS_INPUT_NUMBER</code>



ID	Description
	Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): New input component for the input of numerical values: CMS_INPUT_NUMBER”.
CXT-1654	Deleted pages can now be conveniently restored in FirstSpirit ContentCreator via the status menu  Further information can be found in chapter “ContentCreator: Restoring deleted pages”.
CXT-1691	In some cases, error messages displayed in FirstSpirit ContentCreator were not meaningful enough. Now the error text shows the actual cause of the error.

## 11.21 Server Administrator

ID	Description
CORE-12435 CXT-1704	In the current FirstSpirit release, the content of FirstSpirit jar files is signed with a new certificate. An update of the FirstSpirit Server is not necessary.  Further information can be found in chapter “General: Code signing certificate update”.
CORE-12598	The current FirstSpirit release includes the definitive release of the new control files for Windows and Linux operating systems. The old control files are being <b>removed</b> .  Further information can be found in chapter “System: FirstSpirit Server: Release of new control files for Windows and Linux”.
CXT-1749	FirstSpirit Content Experience Tools: Latest module versions  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

## 11.22 ServerManager

ID	Description
CORE-12435 CXT-1704	In the current FirstSpirit release, the content of FirstSpirit jar files is signed with a new certificate. An update of the FirstSpirit Server is not necessary.



ID	Description
	Further information can be found in chapter “General: Code signing certificate update”.
CXT-1749	FirstSpirit Content Experience Tools: Latest module versions  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

## 11.23 Security

ID	Description
CXT-1757	As of the current release, the attribute <code>SameSite</code> of the CSRF token can be set using the parameter <code>cxt.platform.csrf-samesite</code> .  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): “SameSite” attribute for cookies”.

## 11.24 SiteArchitect

ID	Description
CORE-12435 CXT-1704	In the current FirstSpirit release, the content of FirstSpirit jar files is signed with a new certificate. An update of the FirstSpirit Server is not necessary.  Further information can be found in chapter “General: Code signing certificate update”.

## 11.25 Sessions

ID	Description
CORE-11224	An error has been corrected which, in very rare cases, may have resulted in a <code>java.util.ConcurrentModificationException</code> when editing datasets.

