



# FirstSpirit™

*Unlock Your Content*

## Release Notes

### FirstSpirit™ 2024.1

|               |                                |
|---------------|--------------------------------|
| <b>Status</b> | <b>RELEASED</b>                |
| Department    | FS-Core                        |
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## 1 Administration

### 1.1 Discontinuation of the logging configuration in Log4j1 format

Since FirstSpirit 2023.6, it is possible to create the configuration of the logging framework using the [XML syntax of Log4j2](#). At the same time, the old configuration in the style of Log4j1 is still supported.

With FirstSpirit **2024.6**, this support will be discontinued.

Crownpeak recommends migrating to the new syntax early. Further details can be found in the release notes of FirstSpirit 2023.6.

### 1.2 Update of internally used software

As of the release 2024.1, the following internally used software has been updated.

- **Apache HttpClient**  
Update to version 4.5.14 respectively 5.2.1
- **Apache PDFBox**  
Update to version 1.8.17

### 1.3 Recognition of large images during scaling

The FirstSpirit server now optionally outputs a message in the log when a scalable image exceeds a specific size.

The threshold in megapixels can be specified through the newly added parameters in the configuration file `fs-server.conf`. The settings apply to both info and warning logging.

- `imageio.logging.largeImageInfo`  
Default value: 75
- `imageio.logging.largeImageWarn`  
Default value: -1

When the value is `-1`, the corresponding log message is disabled.



## 1.4 Websocket-Endpoint

For a client connection in HTTP mode, a web socket is used for data transfer if possible.

The websocket endpoint can be deactivated via the `websocket.endpoint.enabled` parameter in the configuration file `fs-server.conf`:

```
websocket.endpoint.enabled=false
```

Default value: `true`

## 2 External Synchronization / Content Transport

### 2.1 Transport of store element GIDs

To improve the discoverability of elements in distributed scenarios, the GIDs of store elements are also transported.

#### Import and update behaviour

The behavior surrounding GID import and updates is now aligned with the existing behavior observed during operations using external synchronization. Specifically, GIDs will be imported and updated under the following circumstances:

Here's the spell-checked and fixed version of the text:

- **GID Availability:** GIDs will be imported only if they have not already been assigned to another element (whether in the Current or Release state). In cases where a GID conflict is detected, a warning will be logged.
- **Element Type:** GIDs will be transported for elements that are not categorized as Datasets. This ensures that GIDs are appropriately managed for the relevant content.
- **Explicit Import:** Elements explicitly imported or imported as children of explicit nodes will have their GIDs transported. This ensures that GIDs remain consistent throughout the hierarchy.



- **Implicit Import:** GIDs will also be transported for elements that are implicitly imported and did not exist before the import operation. This facilitates the inclusion of GIDs in evolving content structures.
- **Newly Imported Parent Chain:** When a parent chain is newly imported, GIDs for parent elements within this chain will be automatically carried over. This maintains coherence within the content hierarchy.

### 3 FirstSpirit Content Experience Tools (CXT)

#### 3.1 Latest module versions

FirstSpirit 2024.1 supports the following module versions for FirstSpirit Content Experience Tools.

| Module / file name  | Version number |
|---|----------------|
| FirstSpirit CXT Plattform<br>platform-[version].fsm                                     | 6.0.1          |
| FirstSpirit CXT DAP Bridge<br>dataservice-[version].fsm                                 | 1.44.17        |
| FirstSpirit CXT FragmentCreator<br>fragment-creator-[version].fsm                       | 5.0.4          |
| FirstSpirit Fragment DAP<br>fragmentdap-[version].fsm                                   | 1.40.26        |
| FirstSpirit Media DAP<br>mediadap-[version].fsm   | 1.31.16        |
| FirstSpirit PageRef DAP<br>pageref-[version].fsm  | 1.9.16         |
| FirstSpirit Markdown Editor<br>markdown-editor-[version].fsm                            | 1.29.15        |
| FirstSpirit Tagging Editor<br>tagging-editor-[version].fsm                              | 1.29.15        |
| FirstSpirit CXT FragmentCreator - CaaS<br>Integration<br>caas-integration-[version].fsm | 1.31.15        |



## 4 SiteArchitect

### 4.1 Discontinuation: "Advanced Image Editing" function in SiteArchitect

The feature “Advanced Image Editing” uses a third-party component that is no longer actively developed. Therefore, this function will be discontinued with a future release of FirstSpirit.

## 5 Deprecations

For e-Spirit, an important goal in software development is to avoid introducing incompatibilities and migration expenditures related to updating from one FirstSpirit release to the next as much as possible or to compensate for these within the software. FirstSpirit updates should generally be deployable with little effort or able to be carried out in a fully automated fashion.

However - not least in order to ensure maintainability and to future-proof the software - e-Spirit cannot fully avoid replacing existing functionality with new mechanisms. In the future, functionality that will be removed from the software will be listed in this section, including the date at which time the functionality will be removed.

| Functionality   | Deprecated as of | Will be removed/<br>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:<br>de.espirit.firstspirit.agency.GroupsAgent | 5.2R15           |                                       |



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





| Functionality   | Deprecated as of | Will be removed/<br>Was removed as of |
|---|------------------|---------------------------------------|
| Control files for Windows and Linux operating systems (old)   | 2020-08          |                                       |
| Database layer for Oracle Database 11g/12c  | 2020-12          |                                       |
| FirstSpirit Developer API:<br>redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer) | 2021-05          |                                       |
| Support for Log4j 1   | 2022-05          |                                       |

## 6 Overview

| ID         | Description  | Categories                         |
|------------|--|------------------------------------|
| CORE-15602 | <p>The transportation of GIDs of store elements is now achievable with ContentTransport through the FirstSpirit API by utilizing the <code>FeatureInstallOptions</code> interface (FirstSpirit Access API, package <code>de.espirit.firstspirit.feature</code>).</p> <p>Further information can be found in chapter “External Synchronization / Content Transport: Transport of store element GIDs”.</p> | Content Transport, FirstSpirit API |
| CORE-15706 | <p>For a client connection in HTTP mode, a web socket is used for data transfer if possible.</p> <p>Further information can be found in chapter “Administration: Websocket-Endpoint”.</p>  | FirstSpirit Administrator          |
| CORE-15779 | <p>The FirstSpirit server now optionally logs a message if a scalable image exceeds a certain size.</p> <p>Further information can be found in chapter “Administration: Recognition of large images during scaling”.</p>   | Media, Server Administrator        |



| ID                       | Description  | Categories                                 |
|--------------------------|--|--|
| CORE-15832               | <p>Discontinuation of the “Advanced Image Editing” Feature in SiteArchitect</p> <p>Further information can be found in chapter “SiteArchitect: Discontinuation: “Advanced Image Editing” function in SiteArchitect”.</p> | SiteArchitect                              |
| CORE-15833               | <p>Discontinuation of the logging configuration in Log4j1 format</p> <p>Further information can be found in chapter “Administration: Discontinuation of the logging configuration in Log4j1 format”.</p>                 | Server Administrator                       |
| CORE-15837               | <p>In the context of the revision of the debug logging for <code>CMS_RENDER</code>, unnecessary log outputs were removed respectively classified with the log level <code>Trace</code>.</p>                              | Developer, Logging                         |
| CORE-15839               | <p>FirstSpirit Content Experience Tools: Latest module versions</p> <p>Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.</p>                             | FirstSpirit Content Experience Tools (CXT) |
| CORE-15850               | <p>The access to URLs has been optimized, resulting in improved generation times for projects with many SEO-URLs.</p>  | Generation, Performance                    |
| CORE-15865               | <p>A problem with deleting image crops for resolutions and setting image crops for resolutions with manually uploaded image content in SiteArchitect has been fixed.</p>   | Media, SiteArchitect                       |
| CORE-15880<br>CORE-15771 | <p>Update of internally used software</p> <p>Further information can be found in chapter “Administration: Update of internally used software”.</p>   | Integrated software                        |
| CXT-3101                 | <p>In the DOM editor, the order of link templates and table format templates was corrected.</p>  | ContentCreator                             |



## 7 Categories

### 7.1 Content Transport

| ID         | Description  |
|------------|--|
| CORE-15602 | <p>The transportation of GIDs of store elements is now achievable with ContentTransport through the FirstSpirit API by utilizing the <code>FeatureInstallOptions</code> interface (FirstSpirit Access API, package <code>de.espirit.firstspirit.feature</code>).</p> <p>Further information can be found in chapter “External Synchronization / Content Transport: Transport of store element GIDs”.</p> |

### 7.2 ContentCreator

| ID       | Description  |
|----------|--|
| CXT-3101 | In the DOM editor, the order of link templates and table format templates was corrected. |

### 7.3 Developer

| ID         | Description  |
|------------|--|
| CORE-15837 | In the context of the revision of the debug logging for <code>CMS_RENDER</code> , unnecessary log outputs were removed respectively classified with the log level <code>Trace</code> . |

### 7.4 FirstSpirit Content Experience Tools (CXT)

| ID         | Description  |
|------------|--|
| CORE-15839 | <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> |



## 7.5 FirstSpirit Administrator

| ID         | Description  |
|------------|--|
| CORE-15706 | For a client connection in HTTP mode, a web socket is used for data transfer if possible.<br><br>Further information can be found in chapter “Administration: Websocket-Endpoint”. |

## 7.6 FirstSpirit API

| ID         | Description  |
|------------|--|
| CORE-15602 | The transportation of GIDs of store elements is now achievable with ContentTransport through the FirstSpirit API by utilizing the <code>FeatureInstallOptions</code> interface (FirstSpirit Access API, package <code>de.espirit.firstspirit.feature</code> ).<br><br>Further information can be found in chapter “External Synchronization / Content Transport: Transport of store element GIDs”. |

## 7.7 Generation

| ID         | Description  |
|------------|--|
| CORE-15850 | The access to URLs has been optimized, resulting in improved generation times for projects with many SEO-URLs. |

## 7.8 Integrated software

| ID         | Description   |
|------------|---|
| CORE-15880 | Update of internally used software  |
| CORE-15771 | Further information can be found in chapter “Administration: Update of internally used software”. |



## 7.9 Logging

| ID         | Description  |
|------------|--|
| CORE-15837 | In the context of the revision of the debug logging for <code>CMS_RENDER</code> , unnecessary log outputs were removed respectively classified with the log level <code>Trace</code> . |

## 7.10 Media

| ID         | Description   |
|------------|---|
| CORE-15779 | The FirstSpirit server now optionally logs a message if a scalable image exceeds a certain size.<br><br>Further information can be found in chapter “Administration: Recognition of large images during scaling”. |
| CORE-15865 | A problem with deleting image crops for resolutions and setting image crops for resolutions with manually uploaded image content in SiteArchitect has been fixed.   |

## 7.11 Performance

| ID         | Description  |
|------------|--|
| CORE-15850 | The access to URLs has been optimized, resulting in improved generation times for projects with many SEO-URLs. |

## 7.12 Server Administrator

| ID         | Description   |
|------------|---|
| CORE-15779 | The FirstSpirit server now optionally logs a message if a scalable image exceeds a certain size.<br><br>Further information can be found in chapter “Administration: Recognition of large images during scaling”. |
| CORE-15833 | Discontinuation of the logging configuration in Log4j1 format   |



| ID | Description  |
|----|--|
|    | Further information can be found in chapter “Administration: Discontinuation of the logging configuration in Log4j1 format”. |

## 7.13 SiteArchitect

| ID         | Description  |
|------------|--|
| CORE-15832 | <p>Discontinuation of the “Advanced Image Editing” Feature in SiteArchitect</p> <p>Further information can be found in chapter “SiteArchitect: Discontinuation: "Advanced Image Editing" function in SiteArchitect”.</p> |
| CORE-15865 | A problem with deleting image crops for resolutions and setting image crops for resolutions with manually uploaded image content in SiteArchitect has been fixed.  |

