



# FirstSpirit™

*Unlock Your Content*

## Release Notes

### FirstSpirit™ 2022.10

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## 1 Administration

### 1.1 Logon with Kerberos: 3DES and RC4 no longer supported

Java 17 no longer supports the 3DES and RC4 crypto algorithms (see also <https://bugs.openjdk.org/browse/JDK-8139348>). SSO login in FirstSpirit is then no longer possible. Instead, a stronger crypto algorithm should be used, e.g. AES.

If FirstSpirit is operated with Kerberos module or Windows SSO, the keytab file should therefore be adapted.

Under Java 11 (use with FirstSpirit no longer recommended) this change can also be made, since Java 11 also already supports AES256-SHA1 (see [Java 11 documentation](#)).

The adaptation of the keytab file can be done, for example, as follows with *ktutil*:

#### 1) Create backup

```
$ cp test.keytab test.keytab.bak
```

#### 2) Customize the keytab file

```
$ ktutil
ktutil: read_kt test.keytab
ktutil: list -e
slot KVNO Principal
-----
 1   7 HTTP/fs5host.mydomain.net@MYDOMAIN.NET (des-cbc-crc)
 2   7 HTTP/fs5host.mydomain.net@MYDOMAIN.NET (des-cbc-md5)
 3   7 HTTP/fs5host.mydomain.net@MYDOMAIN.NET (arcfour-hmac)
 4   7 HTTP/fs5host.mydomain.net@MYDOMAIN.NET (aes256-cts-hmac-sha1-96)
ktutil: delete_entry 1
ktutil: delete_entry 1
ktutil: delete_entry 1
ktutil: list -e
slot KVNO Principal
-----
 1   7 HTTP/fs5host.mydomain.net@MYDOMAIN.NET (aes256-cts-hmac-sha1-96)
ktutil: write_kt test-updated.keytab
ktutil: quit
```



### 3) Check that the new file does not contain weak/deprecated algorithms

```
$ ktutil
ktutil: read_kt test-updated.keytab
ktutil: list -e
slot KVNO Principal
-----
 1      7 HTTP/HTTP/fs5host.mydomain.net@MYDOMAIN.NET (aes256-cts-hmac-sha1-96)
ktutil: quit
```

### 4) Copy permissions of the original file

```
$ chmod --reference=test.keytab test-updated.keytab
```

### 5) Replace the original file

```
$ mv --force test-updated.keytab test.keytab
```

### 6) Restart FirstSpirit, Tomcat and other services if necessary

In addition, the Active Directory Controller should be adapted (admin rights required!) to enable AES Encryption there. See: <https://techcommunity.microsoft.com/t5/core-infrastructure-and-security/decrypting-the-selection-of-supported-kerberos-encryption-types/ba-p/1628797>.

Important: Enable AES for service accounts for which an SPN is specified. Please note that a null value for *msDS-SupportedEncryptionTypes* will cause the DC to issue service tickets and session keys with RC4.

See also “FirstSpirit Dokumentation für Administratoren”: <https://docs.e-spirit.com/odfs/edocs/admi/firstspirit-ser/configuration-f/login-process-f/kerberos-ticket/index.html>.

## 1.2 Deactivating projects: Improved handling of project-local web applications

When a project is deactivated, local project web applications are now automatically uninstalled from the configured web server. If the web server is not accessible, the local project web applications remain installed on it (as always).



When the project is reactivated, a message indicates that the web applications must be rolled out again (“Project reactivated. However, its web apps (if there are any) have not been deployed. They can be deployed manually via the ‘Edit Project’ dialog.”). You can do this either manually via the ServerManager or they will be installed automatically during the next server restart.

The deinstallation of local project web applications that are no longer needed releases the corresponding resources on the web server and prevents possible subsequent problems when the FirstSpirit Server is updated with the deactivated (or deleted) project.

See <https://docs.e-spirit.com/odfs/edocs/admi/firstspirit-ser/menu-bar-items/project/index.html> for more information.

### 1.3 Disabling integrated web server (Jetty Web Server)

Using the new parameter `webserver.jetty.hide` you can disable the integrated webserver “Jetty Web Server”.

For this purpose the parameter must be set to *true*:

```
webserver.jetty.hide=true
```

! Migration note: This parameter may only be used if the “Jetty Web Server” is not configured to work and/or no web applications have been deployed to it. Otherwise, it may result in outdated deployments of the web applications running on the “Jetty Web Server”. Therefore, before setting the parameter, all web applications should be removed from configured “Jetty Web Servers”, if there are any deployed there.

! The use of the “Jetty Web Server” is not suitable for production use and should only be used as a fallback (in an “Aggregating web server”) or for testing.

! Changes to the *fs-server.conf* file require a restart of the FirstSpirit server.

For more information, see also *FirstSpirit Manual for Administrators*:



- about usage of web servers: <https://docs.e-spirit.com/odfs/edocs/admi/firstspirit-ser/server-properiti/web-server/index.html>
- about the configuration file *fs-server.conf*: <https://docs.e-spirit.com/odfs/edocs/admi/firstspirit-ser/configuration-f/firstspirit-ser/index.html> (area “Web Applications”).

## 1.4 Java 17: Adjustment of the wrapper

Java 17 compatibility was introduced with the current backend version. The `fs-wrapper-vendor.conf` file has been extended with corresponding `--add-opens` calls for this purpose.

On the customer side, the same `--add-opens` parameters should be specified for the Apache Tomcat web server that are also used for FirstSpirit. For customer-specific modules, it may also be necessary to add `--add-opens` calls, in this case in the `fs-wrapper.isolated.conf` file.

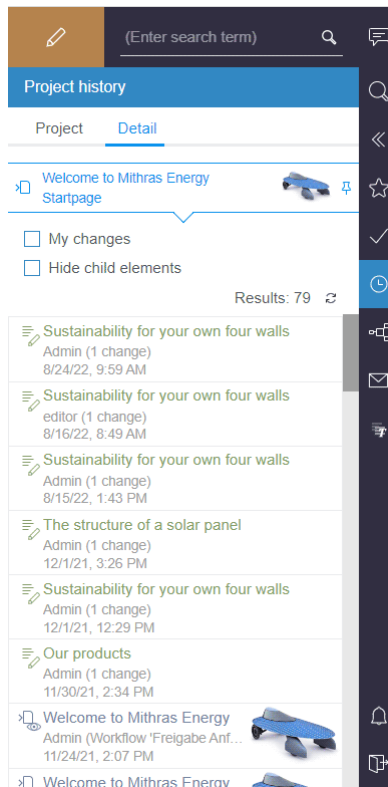
## 2 ContentCreator

### 2.1 Version history now also for media and datasets

The “Project history” report in ContentCreator has been revised to include elements of media and data source management.







The “Project” and “Detail” tabs list the last changes made to the project or to a specific element. Additionally, on elements in the main area, in the navigation bar and on entries of the report itself, the function “Show history” can be used to open the history of the respective element in the report.



For more information, see <https://docs.e-spirit.com/contentcreator/report-area/project-history/index.html>.

This functionality can be hidden via “Tailored UI”, using the “Show History” feature. For more information on the “Tailored UI” see <https://docs.e-spirit.com/odfs/template-development/contentcreator/customization/standard-functionality/index.html>.



### 3 FirstSpirit Content Experience Tools (CXT)

#### 3.1 Latest module versions

FirstSpirit 2022.10 supports the following module versions for “FirstSpirit Content Experience Tools”.

Module / file name	Version number
FirstSpirit CXT Plattform platform-[version].fsm	2.5.7
FirstSpirit CXT DAP Bridge dataservice-[version].fsm	1.44.8
FirstSpirit CXT FragmentCreator fragment-creator-[version].fsm	3.4.11
FirstSpirit Fragment DAP fragmentdap-[version].fsm	1.40.12
FirstSpirit Media DAP mediadap-[version].fsm	1.31.7*
FirstSpirit PageRef DAP pagerefdap-[version].fsm	1.9.7
FirstSpirit Markdown Editor markdown-editor-[version].fsm	1.29.6*
FirstSpirit Tagging Editor tagging-editor-[version].fsm	1.29.6
FirstSpirit CXT FragmentCreator - CaaS Integration caas-integration-[version].fsm	1.31.7

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

### 4 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	
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	



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	
WebSphere Application Server support for FirstSpirit	2019-05	
Control files for Windows and Linux operating systems (old)	2020-08	
Database layer for Oracle Database 11g/12c	2020-12	
FirstSpirit Developer API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	
Support for Log4j 1	2022-05	



## 5 Overview

ID	Description	Categories
CLOUDPROV-6	An error has been eliminated that could result in that the part matching for the S3 deployment could not be configured correctly. Additional log outputs were also added during deployment to make it easier to recognize possible configuration errors.	AWS S3 Deployment, FirstSpirit Administrator
CORE-14013	The input components in format templates of the type “style template” are now automatically defined as language-independent.	SiteArchitect, Template Store
CORE-14069	When a project is deactivated, local project web applications are now automatically uninstalled from the configured web server. When the project is reactivated, a message indicates that the web applications must be rolled out again.  Further information can be found in chapter “Administration: Deactivating projects: Improved handling of project-local web applications”.	FirstSpirit Administrator, Performance, ServerManager, Web applications
CORE-14317	FirstSpirit's own Jar files ( <i>access.jar</i> , <i>fs-isolated-webrt.jar</i> ,...) must not be included in customer-specific modules, as FirstSpirit adds these during installation in the correct version and duplicates are otherwise to be expected. In the current version, warning messages are written to the log if such Jar files are detected.	Developer, FirstSpirit Administrator, Module development
CORE-14461	Due to changes in the build process of FirstSpirit, the composition of internally used jar files has changed. However, this should have no effect on users or developers.	Developer, FirstSpirit Administrator
CORE-14469	Unused connections to the FirstSpirit server are now removed more quickly. The resources reserved by them can thus also be released again more quickly.	FirstSpirit Administrator, Performance, Sessions
CORE-14512	A problem with the “FirstSpirit Portal” module (“SAP Business Package for FirstSpirit”, <i>fs-portal.fsm</i> ) has been fixed so that its classes can now also be used on an isolated server by an external module.	FirstSpirit Administrator, Isolated mode
CORE-14519	To increase security, access to the preview has been limited to users who have access to the underlying project.	Editor, Permissions, Security



ID	Description	Categories
CORE-14522	<p>Disabling the integrated web server (“Jetty Web Server”)</p> <p>Further information can be found in chapter “Administration: Disabling integrated web server (Jetty Web Server)”.</p>	FirstSpirit Administrator, FirstSpirit Jetty Web Server, Web server
CORE-14530	The Connection Management has been improved so that unused projects can now be closed faster in some cases.	FirstSpirit Administrator, Sessions
CORE-14546	Fixed a bug that could cause problems when creating pages in very rare cases (in ContentCreator).	Editor, Performance
CORE-14568	An error has been fixed which could cause parameters that extended the URL to be lost when logging in.	FirstSpirit Administrator
CORE-14600	Related to the functionality “FirstSpirit ContentTransport”, the display of feature content has been improved. If datasets are automatically added via the associated data source, this data source is now also displayed in the summary if no datasets are (yet) contained there. Thus, corresponding configurations can now also be easily removed from the ContentTransport feature in this special case.	Content Transport
CORE-14621	<p>Incorrectly configured modules no longer cause the FirstSpirit server to be inaccessible. Previously, the <i>DownstreamManager</i> did not start in this case, so that only RunLevel 40 was reached (error message e.g. <i>Cannot start manager DownstreamManager</i>).</p> <p>The corresponding services are now still <b>not</b> started in this case, but the FirstSpirit server is accessible. It has the status “degraded”. More detailed information is provided by the <i>server-incidents.log</i> file (downloadable in FirstSpirit ServerMonitoring under “FirstSpirit / Monitoring / Codes” via the envelope icon).</p>	FirstSpirit Administrator, Modules, Services
CORE-14622	<p>Java 17 no longer supports the 3DES and RC4 crypto algorithms. Instead, a secure algorithm should be used, e.g. AES. This may affect the <i>KerberosLoginModule</i>.</p> <p>Further information can be found in chapter “Administration: Logon with Kerberos: 3DES and RC4 no longer supported”.</p>	FirstSpirit Administrator, Modules



ID	Description	Categories
CORE-14637	<p>Java 17 compatibility was introduced with the current backend version. The <code>fs-wrapper-vendor.conf</code> file has been extended with corresponding <code>--add-opens</code> calls for this purpose.</p> <p>Further information can be found in chapter “Administration: Java 17: Adjustment of the wrapper”.</p>	FirstSpirit Administrator, Java
CORE-14641	<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
CXT-1663	<p>The “Project history” report in ContentCreator has been revised to include elements of media and data source management.</p> <p>Further information can be found in chapter “ContentCreator: Version history now also for media and datasets”.</p>	ContentCreator, Editor, Reports
CXT-2616	<p>When uploading media to the media management in ContentCreator, newly uploaded media were not marked in all cases (“Upload new media” in the menu bar, drag-and-drop). This behavior has been corrected.</p>	ContentCreator, Editor, Media, Media Store
CXT-2683	<p>If many pages were converted into menu items one after the other, this could lead to a misbehaviour.</p>	ContentCreator
CXT-2686	<p>Subsequent changes to the form definition of list properties in DOM editors (attributes <code>listConfig</code>), as well as properties of table cells (DOMTABLE attribute <code>propertyConfig</code>), could lead to the fact that invalid properties could no longer be edited afterwards.</p>	ContentCreator



## 6 Categories

### 6.1 AWS S3 Deployment

ID	Description
CLOUDPROV-6	An error has been eliminated that could result in that the part matching for the S3 deployment could not be configured correctly. Additional log outputs were also added during deployment to make it easier to recognize possible configuration errors.

### 6.2 Content Transport

ID	Description
CORE-14600	Related to the functionality “FirstSpirit ContentTransport”, the display of feature content has been improved. If datasets are automatically added via the associated data source, this data source is now also displayed in the summary if no datasets are (yet) contained there. Thus, corresponding configurations can now also be easily removed from the ContentTransport feature in this special case.

### 6.3 ContentCreator

ID	Description
CXT-1663	<p>The “Project history” report in ContentCreator has been revised to include elements of media and data source management.</p> <p>Further information can be found in chapter “ContentCreator: Version history now also for media and datasets”.</p>
CXT-2616	When uploading media to the media management in ContentCreator, newly uploaded media were not marked in all cases (“Upload new mediu” in the menu bar, drag-and-drop). This behavior has been corrected.
CXT-2683	If many pages were converted into menu items one after the other, this could lead to a misbehaviour.





ID	Description
CXT-2686	Subsequent changes to the form definition of list properties in DOM editors (attributes <code>listConfig</code> ), as well as properties of table cells (DOMTABLE attribute <code>propertyConfig</code> ), could lead to the fact that invalid properties could no longer be edited afterwards.

## 6.4 Services

ID	Description
CORE-14621	<p>Incorrectly configured modules no longer cause the FirstSpirit server to be inaccessible. Previously, the <i>DownstreamManager</i> did not start in this case, so that only RunLevel 40 was reached (error message e.g. <code>Cannot start manager DownstreamManager</code>).</p> <p>The corresponding services are now still <b>not</b> started in this case, but the FirstSpirit server is accessible. It has the status “degraded”. More detailed information is provided by the <code>server-incident.log</code> file (downloadable in FirstSpirit ServerMonitoring under “FirstSpirit / Monitoring / Codes” via the envelope icon).</p>

## 6.5 Developer

ID	Description
CORE-14317	FirstSpirit's own Jar files ( <i>access.jar, fs-isolated-webrt.jar,...</i> ) must not be included in customer-specific modules, as FirstSpirit adds these during installation in the correct version and duplicates are otherwise to be expected. In the current version, warning messages are written to the log if such Jar files are detected.
CORE-14461	Due to changes in the build process of FirstSpirit, the composition of internally used jar files has changed. However, this should have no effect on users or developers.
CORE-14641	<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>



## 6.6 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-14641	<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>

## 6.7 FirstSpirit Jetty Web Server

ID	Description
CORE-14522	<p>Disabling the integrated web server (“Jetty Web Server”)</p> <p>Further information can be found in chapter “Administration: Disabling integrated web server (Jetty Web Server)”.</p>

## 6.8 FirstSpirit Administrator

ID	Description
CLOUDPROV-6	<p>An error has been eliminated that could result in that the part matching for the S3 deployment could not be configured correctly. Additional log outputs were also added during deployment to make it easier to recognize possible configuration errors.</p>
CORE-14069	<p>When a project is deactivated, local project web applications are now automatically uninstalled from the configured web server. When the project is reactivated, a message indicates that the web applications must be rolled out again.</p> <p>Further information can be found in chapter “Administration: Deactivating projects: Improved handling of project-local web applications”.</p>
CORE-14317	<p>FirstSpirit's own Jar files (<i>access.jar</i>, <i>fs-isolated-webbr.jar</i>,...) must not be included in customer-specific modules, as FirstSpirit adds these during installation in the correct version and duplicates are otherwise to be expected. In the current version, warning messages are written to the log if such Jar files are detected.</p>



ID	Description
CORE-14461	Due to changes in the build process of FirstSpirit, the composition of internally used jar files has changed. However, this should have no effect on users or developers.
CORE-14469	Unused connections to the FirstSpirit server are now removed more quickly. The resources reserved by them can thus also be released again more quickly.
CORE-14512	A problem with the “FirstSpirit Portal” module (“SAP Business Package for FirstSpirit”, <code>fs-portal.fsm</code> ) has been fixed so that its classes can now also be used on an isolated server by an external module.
CORE-14522	<p>Disabling the integrated web server (“Jetty Web Server”)</p> <p>Further information can be found in chapter “Administration: Disabling integrated web server (Jetty Web Server)”.</p>
CORE-14530	The Connection Management has been improved so that unused projects can now be closed faster in some cases.
CORE-14568	An error has been fixed which could cause parameters that extended the URL to be lost when logging in.
CORE-14621	<p>Incorrectly configured modules no longer cause the FirstSpirit server to be inaccessible. Previously, the <i>DownstreamManager</i> did not start in this case, so that only RunLevel 40 was reached (error message e.g. <code>Cannot start manager DownstreamManager</code>).</p> <p>The corresponding services are now still <b>not</b> started in this case, but the FirstSpirit server is accessible. It has the status “degraded”. More detailed information is provided by the <code>server-incident.log</code> file (downloadable in FirstSpirit ServerMonitoring under “FirstSpirit / Monitoring / Codes” via the envelope icon).</p>
CORE-14622	<p>Java 17 no longer supports the 3DES and RC4 crypto algorithms. Instead, a secure algorithm should be used, e.g. AES. This may affect the <i>KerberosLoginModule</i>.</p> <p>Further information can be found in chapter “Administration: Logon with Kerberos: 3DES and RC4 no longer supported”.</p>
CORE-14637	<p>Java 17 compatibility was introduced with the current backend version. The <code>fs-wrapper-vendor.conf</code> file has been extended with corresponding <code>--add-opens</code> calls for this purpose.</p> <p>Further information can be found in chapter “Administration: Java 17: Adjustment of the wrapper”.</p>
CORE-14641	FirstSpirit Content Experience Tools: Latest module versions



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

## 6.9 FragmentCreator

ID	Description
CORE-14641	FirstSpirit Content Experience Tools: Latest module versions  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

## 6.10 Isolated mode

ID	Description
CORE-14512	A problem with the “FirstSpirit Portal” module (“SAP Business Package for FirstSpirit”, <code>fs-portal.fsm</code> ) has been fixed so that its classes can now also be used on an isolated server by an external module.

## 6.11 Java

ID	Description
CORE-14637	Java 17 compatibility was introduced with the current backend version. The <code>fs-wrapper-vendor.conf</code> file has been extended with corresponding <code>--add-opens</code> calls for this purpose.  Further information can be found in chapter “Administration: Java 17: Adjustment of the wrapper”.



## 6.12 Media

ID	Description
CXT-2616	When uploading media to the media management in ContentCreator, newly uploaded media were not marked in all cases (“Upload new mediu” in the menu bar, drag-and-drop). This behavior has been corrected.

## 6.13 Media Store

ID	Description
CXT-2616	When uploading media to the media management in ContentCreator, newly uploaded media were not marked in all cases (“Upload new mediu” in the menu bar, drag-and-drop). This behavior has been corrected.

## 6.14 Module development

ID	Description
CORE-14317	FirstSpirit's own Jar files ( <i>access.jar</i> , <i>fs-isolated-webprt.jar</i> ,...) must not be included in customer-specific modules, as FirstSpirit adds these during installation in the correct version and duplicates are otherwise to be expected. In the current version, warning messages are written to the log if such Jar files are detected.

## 6.15 Modules

ID	Description
CORE-14621	Incorrectly configured modules no longer cause the FirstSpirit server to be inaccessible. Previously, the <i>DownstreamManager</i> did not start in this case, so that only RunLevel 40 was reached (error message e.g. <code>Cannot start manager DownstreamManager</code> ). The corresponding services are now still <b>not</b> started in this case, but the FirstSpirit server is accessible. It has the status “degraded”. More detailed information is provided by the <code>server-incident.log</code> file (downloadable in FirstSpirit ServerMonitoring under “FirstSpirit / Monitoring / Codes” via the envelope icon).



ID	Description
CORE-14622	<p>Java 17 no longer supports the 3DES and RC4 crypto algorithms. Instead, a secure algorithm should be used, e.g. AES. This may affect the <i>KerberosLoginModule</i>.</p> <p>Further information can be found in chapter “Administration: Logon with Kerberos: 3DES and RC4 no longer supported”.</p>
CORE-14641	<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>

## 6.16 Performance

ID	Description
CORE-14069	<p>When a project is deactivated, local project web applications are now automatically uninstalled from the configured web server. When the project is reactivated, a message indicates that the web applications must be rolled out again.</p> <p>Further information can be found in chapter “Administration: Deactivating projects: Improved handling of project-local web applications”.</p>
CORE-14469	<p>Unused connections to the FirstSpirit server are now removed more quickly. The resources reserved by them can thus also be released again more quickly.</p>
CORE-14546	<p>Fixed a bug that could cause problems when creating pages in very rare cases (in ContentCreator).</p>

## 6.17 Permissions

ID	Description
CORE-14519	<p>To increase security, access to the preview has been limited to users who have access to the underlying project.</p>



## 6.18 Editor

ID	Description
CORE-14519	To increase security, access to the preview has been limited to users who have access to the underlying project.
CORE-14546	Fixed a bug that could cause problems when creating pages in very rare cases (in ContentCreator).
CXT-1663	<p>The “Project history” report in ContentCreator has been revised to include elements of media and data source management.</p> <p>Further information can be found in chapter “ContentCreator: Version history now also for media and datasets”.</p>
CXT-2616	When uploading media to the media management in ContentCreator, newly uploaded media were not marked in all cases (“Upload new mediu” in the menu bar, drag-and-drop). This behavior has been corrected.

## 6.19 Reports

ID	Description
CXT-1663	<p>The “Project history” report in ContentCreator has been revised to include elements of media and data source management.</p> <p>Further information can be found in chapter “ContentCreator: Version history now also for media and datasets”.</p>

## 6.20 ServerManager

ID	Description
CORE-14069	When a project is deactivated, local project web applications are now automatically uninstalled from the configured web server. When the project is reactivated, a message indicates that the web applications must be rolled out again.



ID	Description
	Further information can be found in chapter “Administration: Deactivating projects: Improved handling of project-local web applications”.

## 6.21 Security

ID	Description
CORE-14519	To increase security, access to the preview has been limited to users who have access to the underlying project.

## 6.22 SiteArchitect

ID	Description
CORE-14013	The input components in format templates of the type “style template” are now automatically defined as language-independent.

## 6.23 Sessions

ID	Description
CORE-14469	Unused connections to the FirstSpirit server are now removed more quickly. The resources reserved by them can thus also be released again more quickly.
CORE-14530	The Connection Management has been improved so that unused projects can now be closed faster in some cases.

## 6.24 Template Store

ID	Description
CORE-14013	The input components in format templates of the type “style template” are now automatically defined as language-independent.





## 6.25 Web applications

ID	Description
CORE-14069	<p>When a project is deactivated, local project web applications are now automatically uninstalled from the configured web server. When the project is reactivated, a message indicates that the web applications must be rolled out again.</p> <p>Further information can be found in chapter “Administration: Deactivating projects: Improved handling of project-local web applications”.</p>

## 6.26 Web server

ID	Description
CORE-14522	<p>Disabling the integrated web server (“Jetty Web Server”)</p> <p>Further information can be found in chapter “Administration: Disabling integrated web server (Jetty Web Server)”.</p>

