



# FirstSpirit™

*Unlock Your Content*

## Release Notes

### FirstSpirit™ 2023.12

<b>Status</b>	<b>RELEASED</b>
Department	FS-Core
Copyright	2023 Crownpeak Technology GmbH

#### Crownpeak Technology GmbH

Stockholmer Allee 24  
44269 Dortmund | Germany

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

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

**crowpeak***k*

# Table of contents

- 1 Administration..... 4**
  - 1.1 Update of internally used software..... 4
  - 1.2 Debug logging for FirstSpirit SAML login..... 4
  - 1.3 Module for online documentation (odfs.fsm)..... 4
- 2 FirstSpirit Content Experience Tools (CXT)..... 5**
  - 2.1 Latest module versions..... 5
- 3 Module Development, Scripts, API..... 6**
  - 3.1 Logging: SLF4J adapter..... 6
- 4 SiteArchitect / ServerManager..... 7**
  - 4.1 Module FirstSpirit Launcher JRE (2.0.0): Java version update..... 7
- 5 System..... 7**
  - 5.1 Compatibility with OpenJDK 21..... 7
- 6 Deprecations..... 8**
- 7 Overview..... 10**
- 8 Categories..... 12**
  - 8.1 Workflow..... 12
  - 8.2 Archiving..... 12
  - 8.3 Corporate Content..... 12
  - 8.4 Developer..... 13



8.5	FirstSpirit Content Experience Tools (CXT).....	13
8.6	Integrated software.....	13
8.7	Java.....	13
8.8	Launcher.....	14
8.9	Logging.....	14
8.10	Server Administrator.....	15
8.11	ServerManager.....	15
8.12	SiteArchitect.....	16
8.13	Site Store.....	16
8.14	Web applications.....	16



## 1 Administration

### 1.1 Update of internally used software

As of the release 2023.12, the following internally used software has been updated.

- **Eclipse Jetty** (contained in the module `fs-jetty.fsm` / “FirstSpirit Jetty Service”) Update to **version 12.0.2**  
As before, use of Eclipse Jetty for production purposes is not recommended!
- **Java** The following new Java version is available:  
Integrated in FirstSpirit (default): 17.0.9+9 OpenJDK

### 1.2 Debug logging for FirstSpirit SAML login

The “FirstSpirit SAML Login” module previously required a configured `Log4j` for debug logging.

With the current version, this is no longer necessary. Instead, **Java Util Logging (JUL)** is now used, which is configured as Apache Tomcat's **default logging framework**.

For existing installations, an adjustment of the configuration is necessary if logging is to be permanently active.

It should be mentioned that the `SLF4J-JUL` adapter used can lead to conflicts in individual cases if other web components of the FirstSpirit start page also supply an `SLF4J` adapter.

### 1.3 Module for online documentation (odfs.fsm)

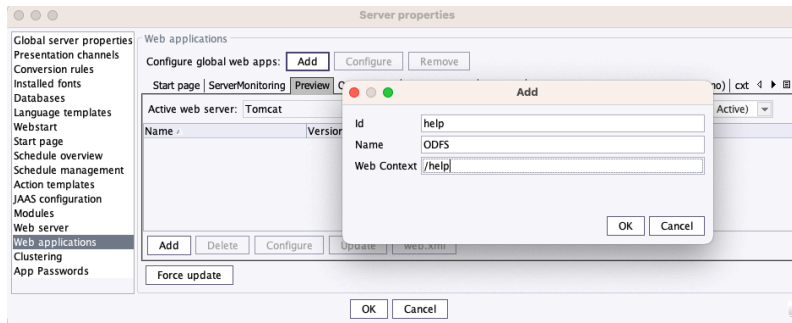
The online documentation of FirstSpirit (ODFS) is now no longer provided by the local Firstspirit installation. Instead, a call to the help automatically redirects to the current documentation on [docs.e-spirit.com](https://docs.e-spirit.com).

If desired, the previous state can be restored by the server administrator.

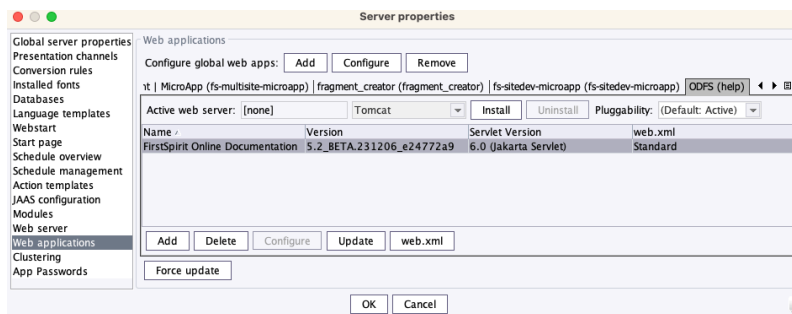
1) Install “FirstSpirit Online Documentation” Modul (`odfs.fsm`)

2) Add a global WebApp





3) Add web component “FirstSpirit Online Documentation”



4) Roll out the global WebApp

5) Define parameter ODFS\_BASE\_URL in fs-server.conf

Example:

```
ODFS_BASE_URL=https://myServer:8000/help/odfs
```

Details can be found in the [documentation for administrators](#).

## 2 FirstSpirit Content Experience Tools (CXT)

### 2.1 Latest module versions

FirstSpirit 2023.12 supports the following module versions for FirstSpirit Content Experience Tools.

Module / file name	Version number
FirstSpirit CXT Plattform	5.0.3



platform-[version].fsm	
FirstSpirit CXT DAP Bridge	1.44.16
dataservice-[version].fsm	
FirstSpirit CXT FragmentCreator	5.0.2
fragment-creator-[version].fsm	
FirstSpirit Fragment DAP	1.40.24
fragmentdap-[version].fsm	
FirstSpirit Media DAP	1.31.15
mediadap-[version].fsm	
FirstSpirit PageRef DAP	1.9.15
pageref-[version].fsm	
FirstSpirit Markdown Editor	1.29.14
markdown-editor-[version].fsm	
FirstSpirit Tagging Editor	1.29.14
tagging-editor-[version].fsm	
FirstSpirit CXT FragmentCreator - CaaS Integration	1.31.14
caas-integration-[version].fsm	

### 3 Module Development, Scripts, API

#### 3.1 Logging: SLF4J adapter

The [Simple Logging Facade for Java \(SLF4J\)](#) is a unified API for logging that can work with a variety of logging frameworks (Log4j, Logback, ...) through a multitude of adapters.

Since version 2023.12, FirstSpirit is shipped with an SLF4J adapter that forwards logging to [Base-Logging](#) using SLF4J. The advantages of this API include:

- Use of a well-known, consistent interface
- Simpler invocation without Class objects
- Automatic substitution of placeholders

Example:



```
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;
public class Demo {
    private static final Logger LOGGER = LoggerFactory.getLogger(Demo.class);
    public Demo() {
        LOGGER.info("Demo application started.");
    }
}
```

This API can also be used by web components added to the ContentCreator without any further configuration. However, for other components, such as those installed in their own web context, the inclusion of a custom [SL4FJ adapter](#) is necessary.

## 4 SiteArchitect / ServerManager

### 4.1 Module FirstSpirit Launcher JRE (2.0.0): Java version update

The FirstSpirit desktop apps (FirstSpirit SiteArchitect and ServerManager) are started and updated (rolled out) via the **FirstSpirit Launcher**.

The “**FirstSpirit Launcher JRE**” **module** enables customers and partners to easily switch between different Java versions for the operation of Java-based applications. The desired Java version can be selected server-wide for Microsoft Windows and macOS separately.

For documentation on the “FirstSpirit Launcher JRE” module see [FirstSpirit Launcher JRE](#) under *FirstSpirit Online Documentation*.

**The included Java version have been updated with the current release:** In addition to the version delivered with the FirstSpirit Launcher, AdoptOpenJDK 17.0.9 “(Default)”, the Java variant **Eclipse Temurin 21+35** is currently available.

## 5 System

### 5.1 Compatibility with OpenJDK 21

FirstSpirit has been tested for compatibility with OpenJDK 21.



**OpenJDK 21** has been included in the list of **compatible JDKs**.

This applies to both the FirstSpirit Server and the FirstSpirit desktop applications.

A complete list of the supported Java versions for the FirstSpirit Server can be found in [Technical requirements and recommendations \(Documentation for administrators\)](#).

## 6 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	





Functionality	Deprecated as of	Will be removed/ Was removed as of
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	
Control files for Windows and Linux operating systems (old)	2020-08	



Functionality	Deprecated as of	Will be removed/ Was removed as of
Database layer for Oracle Database 11g/12c	2020-12	
FirstSpirit Developer API: redirectTemplateLogToDefaultLog() (Interface RenderingAgent.Renderer)	2021-05	
Support for Log4j 1	2022-05	

## 7 Overview

ID	Description	Categories
CORE-14686	The “TabView” function (display of an overview of the workspaces in the AppCenter area) has been removed from the SiteArchitect. A manually performed installation of the module “FirstSpirit TabsSwitchApplication” ( <code>fs-presenttabs-mod.fsm</code> ) also has to be removed manually again to avoid error messages in the SiteArchitect.	SiteArchitect
CORE-15014	A NullPointerException could occur when opening and displaying CorporateContent packages. The error has been fixed.	Corporate Content
CORE-15155	Fixed a bug that could cause an outdated status of a workflow instance to be displayed.	Workflow
CORE-15358	The online documentation of FirstSpirit (ODFS) is now no longer provided by the local FirstSpirit installation.  Further information can be found in chapter “Administration: Module for online documentation ( <code>odfs.fsm</code> )”.	Server Administrator
CORE-15540	Since version 2023.12, FirstSpirit is delivered with an SLF4J adapter that forwards logging via SLF4J to the base logging system.  Further information can be found in chapter “Module Development, Scripts, API: Logging: SLF4J adapter”.	Developer, Logging



ID	Description	Categories
CORE-15621	In order to support the detection of WebApp components that require an update to the Jakarta Servlet version, these are now displayed accordingly in the ServerManager (highlighted in yellow) and listed in the “Module Problems” report.	ServerManager
CORE-15669	A memory issue with the function “Reset stored URLs” has been fixed.	SiteArchitect
CORE-15694	FirstSpirit has been tested for compatibility with <b>OpenJDK 21</b> and <b>OpenJDK 21</b> has been added to the list of compatible JDKs.  Further information can be found in chapter “System: Compatibility with OpenJDK 21”.	Java, Server Administrator
CORE-15697	FirstSpirit web applications now also support the HTTP/2 protocol.	Web applications
CORE-15722	An error in the evaluation of the licence status for the “document group” function has been fixed.	Server Administrator, Site Store, SiteArchitect
CORE-15727	The classloading of services has been optimised.	Server Administrator
CORE-15730	The logging at the start of a FirstSpirit server now contains fewer technical details and is reduced to essential status transitions for the sake of clarity. If needed, individual parts can be made visible again through the logging configuration by changing the level to <code>DEBUG</code> .	Logging, Server Administrator
CORE-15732	Update of internally used software  Further information can be found in chapter “Administration: Update of internally used software”.	Integrated software
CORE-15736	The “FirstSpirit SAML Login” module now uses Java Util Logging (JUL).  Further information can be found in chapter “Administration: Debug logging for FirstSpirit SAML login”.	Logging, Server Administrator
CORE-15766	The JRE version used for starting the FirstSpirit desktop applications (SiteArchitect, ServerManager) has been updated to 17.0.9+9.	Java



ID	Description	Categories
CORE-15767	<p>With the current release, the Java version contained in the “FirstSpirit Launcher JRE” module has been updated.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: Module FirstSpirit Launcher JRE (2.0.0): Java version update”.</p>	Launcher
CORE-15775	<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-15778	The same restrictions as for project backups now apply to the parallel execution of project archives.	Archiving

## 8 Categories

### 8.1 Workflow

ID	Description
CORE-15155	Fixed a bug that could cause an outdated status of a workflow instance to be displayed.

### 8.2 Archiving

ID	Description
CORE-15778	The same restrictions as for project backups now apply to the parallel execution of project archives.

### 8.3 Corporate Content

ID	Description
CORE-15014	A NullPointerException could occur when opening and displaying CorporateContent packages. The error has been fixed.



## 8.4 Developer

ID	Description
CORE-15540	Since version 2023.12, FirstSpirit is delivered with an SLF4J adapter that forwards logging via SLF4J to the base logging system.  Further information can be found in chapter “Module Development, Scripts, API: Logging: SLF4J adapter”.

## 8.5 FirstSpirit Content Experience Tools (CXT)

ID	Description
CORE-15775	FirstSpirit Content Experience Tools: Latest module versions  Further information can be found in chapter “FirstSpirit Content Experience Tools (CXT): Latest module versions”.

## 8.6 Integrated software

ID	Description
CORE-15732	Update of internally used software  Further information can be found in chapter “Administration: Update of internally used software”.

## 8.7 Java

ID	Description
CORE-15694	FirstSpirit has been tested for compatibility with <b>OpenJDK 21</b> and <b>OpenJDK 21</b> has been added to the list of compatible JDKs.  Further information can be found in chapter “System: Compatibility with OpenJDK 21”.



ID	Description
CORE-15766	The JRE version used for starting the FirstSpirit desktop applications (SiteArchitect, ServerManager) has been updated to 17.0.9+9.

## 8.8 Launcher

ID	Description
CORE-15767	<p>With the current release, the Java version contained in the “FirstSpirit Launcher JRE” module has been updated.</p> <p>Further information can be found in chapter “SiteArchitect / ServerManager: Module FirstSpirit Launcher JRE (2.0.0): Java version update”.</p>

## 8.9 Logging

ID	Description
CORE-15540	<p>Since version 2023.12, FirstSpirit is delivered with an SLF4J adapter that forwards logging via SLF4J to the base logging system.</p> <p>Further information can be found in chapter “Module Development, Scripts, API: Logging: SLF4J adapter”.</p>
CORE-15730	The logging at the start of a FirstSpirit server now contains fewer technical details and is reduced to essential status transitions for the sake of clarity. If needed, individual parts can be made visible again through the logging configuration by changing the level to <code>DEBUG</code> .
CORE-15736	<p>The “FirstSpirit SAML Login” module now uses Java Util Logging (JUL).</p> <p>Further information can be found in chapter “Administration: Debug logging for FirstSpirit SAML login”.</p>



## 8.10 Server Administrator

ID	Description
CORE-15358	<p>The online documentation of FirstSpirit (ODFS) is now no longer provided by the local FirstSpirit installation.</p> <p>Further information can be found in chapter “Administration: Module for online documentation (odfs.fsm)”.</p>
CORE-15694	<p>FirstSpirit has been tested for compatibility with <b>OpenJDK 21</b> and <b>OpenJDK 21</b> has been added to the list of compatible JDKs.</p> <p>Further information can be found in chapter “System: Compatibility with OpenJDK 21”.</p>
CORE-15722	An error in the evaluation of the licence status for the “document group” function has been fixed.
CORE-15727	The classloading of services has been optimised.
CORE-15730	The logging at the start of a FirstSpirit server now contains fewer technical details and is reduced to essential status transitions for the sake of clarity. If needed, individual parts can be made visible again through the logging configuration by changing the level to <code>DEBUG</code> .
CORE-15736	<p>The “FirstSpirit SAML Login” module now uses Java Util Logging (JUL).</p> <p>Further information can be found in chapter “Administration: Debug logging for FirstSpirit SAML login”.</p>

## 8.11 ServerManager

ID	Description
CORE-15621	In order to support the detection of WebApp components that require an update to the Jakarta Servlet version, these are now displayed accordingly in the ServerManager (highlighted in yellow) and listed in the “Module Problems” report.



## 8.12 SiteArchitect

ID	Description
CORE-14686	The “TabView” function (display of an overview of the workspaces in the AppCenter area) has been removed from the SiteArchitect. A manually performed installation of the module “FirstSpirit TabsSwitchApplication” ( <code>fs-presenttabs-mod.fsm</code> ) also has to be removed manually again to avoid error messages in the SiteArchitect.
CORE-15669	A memory issue with the function “Reset stored URLs” has been fixed.
CORE-15722	An error in the evaluation of the licence status for the “document group” function has been fixed.

## 8.13 Site Store

ID	Description
CORE-15722	An error in the evaluation of the licence status for the “document group” function has been fixed.

## 8.14 Web applications

ID	Description
CORE-15697	FirstSpirit web applications now also support the HTTP / 2 protocol.

