

Previously released versions: 4.2.38, 4.2.206, 4.2.219, 4.2.223, 4.2.432, 4.2.437, 4.2.446, 4.2.453, 4.2.454, 4.2.461, 4.2.468, 4.2.476

## Added logging information for the generation process

When developing templates, typos or similar errors in the template may cause generation and/or preview errors.

It is therefore important when checking the generation log to identify objects that might not have been generated correctly or that should no longer be used ("Deprecation").

To make it easier to identify these objects, logging has been expanded to include generation and preview information.

The following information is available in the log:

- **g-entity**: entity just generated
- **g-node**: node just generated
- **g-sec**: section just generated
- **pID**: project ID
- **seID**: schedule ID
- **uID**: user ID

Example:

```
DEBUG 01.01.1970 00:00:00.000 {pID=12345,g-sec=23456,g-entity=Table(34567),uID=0,seID=45678,g-node=56789} (de.espirit.or.impl.ReleaseSessionHandler): 67890,...
```

## New functionalities

ID	Role	Category	Sub Category	Description
120680	Developer	None	Template Development	Enhancement of the logging information for the generation (see introduction).

## Bug-fixes

ID	Role	Category	Sub Category	Description
107622	Editor	JavaClient	None	When editing was cancelled (<Ctrl>+<Shift>+<E>) and modifications were discarded this could led to an error in the case of data records.
108729	All Users	JavaClient	Package Pool	A content area which was created subsequently in the master project was generated double in the target project in the package management (CorporateContent) in very rare cases.
109484	All Users	JavaClient	All Stores	The context menu (Extras / Release) in the JavaClient can be used to release elements (known as "Specific Release"). When releasing elements, all objects are listed in the Specific Release detail window that are taken into account by the selected release option. Previously, elements in the detail window were not displayed if they could not be released due to an incomplete parent chain or due to a source section that had never been released.
109638	FirstSpirit Administrator	None	Generation	In very rare cases an error occurred during generation when the "Use ACL database" generation option was enabled and the "Page is completely translated to this language" option for the master language of the project was disabled on a page in the page store.
115460	Editor	JavaClient	Version History	The representation of single entries of an FS_LIST input component in the version history has been optimized.
117175	All Users	JavaClient	Package Pool	In the package management (CorporateContent), packages were published by mistake into deactivated projects.
117245	All Users	JavaClient	All Stores	The loading behavior for the display of deleted objects has been improved.
117816	Editor	WebClient	Input Components	The sorting of the link templates in WebClient has been unified in some input components (e.g. CMS_INPUT_DOM).
118442	All Users	JavaClient	Content Store	A data source's foreign key relationships can be maintained using the FS_LIST input component (DATABASE type). When maintaining some more common foreign key configurations, an error could have occurred if a new data record was added using the "COPY" action.
118810	All Users	JavaClient	Input Components	In the FS_LIST input component (SERVICE type), an error occurred when double-clicking in the overview in edit mode.
118897	All Users	JavaClient	Input Components	If a FS_DATASET input component was edited in a data record (content store) within the JavaClient, edit mode could have closed if a different data record from the same data source was selected in the input component.
119222	All Users	JavaClient	Media Store	In very rare instances an error occurred when selecting a medium in the media selection dialog (e.g. a FS_REFERENCE input component).
119615	FirstSpirit Administrator	JavaClient	Package Pool	Unfortunately, the option "Overwrite package contents with the same UID" was not taken into account in the module CorporateContent (formerly: PackagePool) in some rare situations.
122020	Editor	JavaClient	Input Components	In FS_LIST input components without any defined layout component "simpleview", "singleview", "stackedview" or "tabbedview" in some cases the selected entry was not taken into account for editing.
122802	Editor	JavaClient and WebClient	Input Components	It is now possible to get an enlarged view of the picture during the selection process when using the input components FS_REFERENCE and CMS_INPUT_PICTURE.

ID	Role	Category	Sub Category	Description
122866	Editor	JavaClient	None	The keyboard shortcut <Ctrl>+<R> was introduced for the context menu item "Display dependencies".
123000	All Users	JavaClient	Input Components	A remote project can be configured so that it references itself. The most recent objects used are displayed in the media selection dialog, which is opened, for instance, by the CMS_INPUT_PICTURE input component. With this specific remote configuration, the "Select" button was always mistakenly displayed as disabled when a recently used object was selected.
123005	All Users	JavaClient	Input Components	Display and storage of entries within the input component CMS_INPUT_LIST for foreign key relationships (content sources) have been optimized.
123189	Editor	JavaClient	Media Store	If a file (for example a PDF) has been inserted in the Media Store by mistake as an image this could lead in some rare cases to problems in JavaClient.
123604	Developer	None	Scripting	The Interface Library (Developer API, de.espirit.firstspirit.module.Library<E extends ServerEnvironment>) was marked as outdated ("deprecated"). The Interface Service (Developer API, de.espirit.firstspirit.module.Service<T>) can for example be used instead.
124457	All Users	JavaClient	Input Components	In some rare cases, modifications were not taken into account when saving after having switched to another language in the input component FS_LIST in JavaClient.
124488	Editor	WebClient	Media Store	Creating a language dependent image in WebClient could lead to an error if an image was not provided for all languages.
124545	All Users	JavaClient	Content Store	In very rare instances, the database connection timed out during archiving if it took an excessive amount of time to archive certain data records.
124938	All Users	JavaClient	Preview	If a page reference from the site store was an external preview as opposed to an internal preview, the "Read" access permission was previously not taken into account.
125247	Editor	None	Modules	In rare cases, using the authentication module "JDBC" of the module "Dynamic Personalization" (formerly: "Personalization") could lead to problems with the log on when using a Microsoft SQL data base.
125487	All Users	JavaClient	Media Store	In the media store the behavior of the context menu when selecting multiple objects in the overview has been improved.
125574	All Users	None	None	Optimization of the client / server communication.
126060	Editor	JavaClient	Input Components	In very rare cases, the content of an entry of an FS_LIST input component was not displayed, if the content of this entry had been visible before switching into the edit mode.
126068	Developer	None	Export / Import	Variables can be set in schedules. These variable are stored and can be therefore still used after execution of the schedule. For further information please refer to the Access API: interface "ScheduleContext", package "de.espirit.firstspirit.access.schedule", methods "getVariable(String name)" and "setVariable(String name, Serializable value)". Unfortunately, variables which were set in a schedule have not been taken into a account in case of a project export and import so far.
126338	Editor	WebClient	Content Store	In some rare cases, editing a data record in WebClient could lead to an error when using PostgreSQL as data base.
126477	All Users	None	None	Optimization of the client / server communication.
126609	Editor	JavaClient	Input Components	The context menu of the input component FS_LIST shows all available actions. The label of the entry is shown in addition for the context menu item "Display". The number of characters for this label was not limited so far. In case of long labels, this led to broad context menus. Now, 50 characters of the label are shown maximally.
126639	All Users	JavaClient	Input Components	After changing a FS_LIST input component in the page store and then saving it to the clipboard (<Ctrl>+<S>), in some instances the change indicator (disk icon) was mistakenly visible.
126916	All Users	JavaClient	Page Store	In the JavaClient translation help, additional changes were not taken into account after some changes had already been saved to the clipboard (<Ctrl>+<S>).
126966	All Users	Homepage	None	The function "Automatic Login" is available on the login page. This function enables the FirstSpirit user to log on to the FirstSpirit server with his Windows login (an appropriate configuration presupposed). Unfortunately, the correspondent button was not displayed if the language was changed after logoff.
127253	All Users	Administration	Generation	During the generation process on the Cluster Server, the connection between the slave and master server was occasionally dropped due to external network problems. In the past, the generation process continued when this occurred. Sometimes the connection between the slave and master was not completely restored automatically. Now the generation process is canceled and the connection is completely restored once the network problems are resolved.
127776	Editor	WebClient	None	In some rare cases using the input component CMS_INPUT_PERMISSION in WebClient could lead to an error when displaying the meta data, even if the user (non-project administrator) had sufficient permission for the display of the meta data.
127792	All Users	JavaClient	Input Components	In the input component FS_LIST you can use components which required obligatory text input (parameter allowEmpty="no"). By mistake, the input components were not checked again for mandatory fields when switching to another language tab.
127944	All Users	JavaClient	None	An error occurred in very rare cases when loading a very large project in the JavaClient.
127983	Editor	JavaClient	Input Components	Unfortunately, the content of the input component FS_LIST was not displayed in a separate window in single specific configurations when pressing the button "Open in separate window".
128087	All Users	JavaClient	Modules	In the FirstSpirit DynamicPersonalization module (formerly FirstSpirit Personalisation), users can use the "JDBC" authentication mode to authenticate their login information, which is stored in a database. Additionally, the "JDBC" group module can be used to provide group information for the user. An error sometimes occurred when reading the group information.
128099	FirstSpirit Administrator	Server and Project Configuration	Tasks	Scripts can be run in schedules. If desired, a unique connection to the FirstSpirit Server can be used for a script. Termination of unique connections has been optimized.
128126	All Users	JavaClient	Preview	Proxy exceptions can be configured in Microsoft Internet Explorer. In the JavaClient's internal preview with Microsoft Internet Explorer, only proxy exceptions up to 256 characters are taken into account. If more than 256 characters are specified, a relevant error message now appears.
128172	FirstSpirit Administrator	Administration	Tasks	A system font size (DPI) can be set in Microsoft Windows. An execution time can be specified in the server and project configuration for a schedule in FirstSpirit. Previously, when selecting a large system font size, the Minutes and Seconds fields for the execution time setting were mistakenly not displayed.
128453	FirstSpirit Administrator	None	Deployment	In some very rare cases media were not transmitted when carrying out multiple publication if the option "Generate Media in the generation directory" had been deactivated in a generation configuration.
128673	Editor	JavaClient	Input Components	The width of the tree structure area (on the left) and of the overview list of the effective group permissions (on the right) can now be modified in the input component CMS_INPUT_PERMISSION.

ID	Role	Category	Sub Category	Description
129069	FirstSpirit Administrator	None	Modules	When using the module "SAP Business Package for FirstSpirit" activating the portal files ("ActivatePortalXml") after having generated the portal files ("GeneratePortalXml") could lead to an error.
129179	Editor	WebClient	Workflow	Unfortunately, a workflow could not be started in WebClient in some cases when using an Apache Tomcat.
129261	Server Administrator	Administration	None	Project properties will always (regardless of whether there were modifications or not) be stored from now on when exiting the FirstSpirit Server. Problems with storing project properties will be recorded in the Server log as FATAL in future.
129417	Developer	None	Input Components	Unfortunately, the default value for the parameter "useLanguages" for FS_LIST input components of the type "INLINE" in the link template mode by mistake was "no". For this reason, if this parameter was not specified when defining the FS_LIST input component, useLanguages="no" was added. The default value of "useLanguages" for the link template mode has now been changed to "yes".
129462	FirstSpirit Administrator	None	Generation	Section references can be created with a page of the Page Store. The origin section can be situated on another page and therefore can be deleted independently of the section reference. In such a case the page has not been created when generating so far. Such pages will be created without the "defective" section reference in future and in addition an error will be logged for it in the generation log.
129791	Editor	JavaClient	Input Components	The loading behavior for content sources in the Content Store has been optimized for the case where the input component FS_DATASET in combobox mode (mode="COMBOBOX") is used for the maintenance of a foreign key relationship. In addition, the display width of the combobox of the input components CMS_INPUT_COMBOBOX, CMS_INPUT_LIST and FS_DATASET was limited to 32 characters if the input component does not use the complete display width (parameter "hFill").
130134	Editor	JavaClient	Input Components	References which were entered in entries (for example by means of the input component FS_REFERENCE) were not taken into account for all languages in language-dependent FS_LIST input components (type INLINE) when using the link type "linktemplates".
130286	FirstSpirit Administrator	Administration	None	One or more tags can be created for a revision in order to mark a specific project status. Tags whose revision does no more exist (for example after archiving) will be ignored from now on when importing a project.
130369	FirstSpirit Administrator	None	Template Store	Content for template sets which do not exist in the target project will be conserved from now on when importing format templates using the template updating into a target project.