Release-Notes First**Spirit**^{5.0.318}

Bypassing bugs in Java versions from 6 Update 39 and 7 Update 17

FirstSpirit is released for a main version of a JDK, e.g. Oracle Java 6 (JDK 1.6) or IBM JDK 1.5.

JDKs are checked within the scope of quality assurance to ensure they are compatible with FirstSpirit.

Here, incompatibilities were detected in Java versions from 6 Update 39 (1.6.0_39) and 7 Update 17 (1.7.0_17), for example, when displaying thumbnails in the Media Store and when importing projects.

Modifications in the software have been made in order to remove these incompatibilities in FirstSpirit 5.0.318 for bypassing the JDK bugs.

CMS_INCLUDE_OPTIONS (type DATABASE): Backward compatibility

Usually, FirstSpirit versions are forward and backward compatible if only the number of the minor or build version changes. This applies also to FirstSpirit modules. However in rare cases, incompatible changes must be made to the software which prevent the downgrade to an older version after having installed a new FirstSpirit version.

The input components CMS_INPUT_CHECKBOX, CMS_INPUT_COMBOBOX, CMS_INPUT_LIST and CMS_INPUT_RADIOBUTTON can be used for select data records from a content source by means of the data element CMS_INCLUDE_OPTIONS.

Unfortunately, incompatible changes had to be made to the storage format of these input components in FirstSpirit version 5.0.318 when using the data element CMS_INCLUDE_OPTIONS (type database) because of an error in the functionality "ContentTransport".

If no modifications are made to elements which contain at least one of the mentioned input components, a downgrade is possible without any problem.

If modifications have been made, a downgrade is also possible. However, manual adaptation is required after the downgrade in this case, i.e. the data records which have been selected before must be selected anew and this modification must be saved. The version history can be used as an alternative.

Dynamic forms

New ELEMENTTYPE property

Forms, and thus rules as well, can be used on different element types in FirstSpirit (pages, page references, folders, etc.).

The element type being used for editing a form can be checked using a rule in version 5.0.318 or later. For instance, the *ELEMENTTYPE* attribute can be used to define a rule that enables a form element to be shown or edited depending on the element type being used for opening the form. This can be used to specifically show or hide (or even block editing for) form elements opened on a specific element type.

The expression <**PROPERTY source='#global' name='ELEMENTTYPE'**/> returns the identity of the element type used by the editor to open the form, where the returned value corresponds to the type name (name of the interface in the API) in lowercase, such as *pagefolder*, *section* or *media*.

You can find more information in the FirstSpirit Online Documentation, in the section "Template development" / "Rules" / "<PROPERTY/> form properties" / "ELEMENTTYPE property".

Expansion of the property ENTRY

Using the property ENTRY you could access the selected value of the input components CMS_INPUT_COMBOBOX or CMS_INPUT_RADIOBUTTON within rules (functionality "dynamic forms") if the entries were indicated with the tag ENTRIES (so called "statical filling with values"). These input components can be filled by means of the data element CMS_INCLUDE_OPTIONS (type "DATABASE") with data records from a foreign table (so called "dynamical filling with values"). Form FirstSpirit version 5.0.318 on you can now also access the key value of a selected dynamical entry. For this purpose, the tag KEY must be specified in the form of the data element CMS_INCLUDE_OPTIONS.

If the tag KEY is used, the user himself must ensure that the data are unique when entering and editing the column given for KEY! For this reason, the column with the data record ID ("fs_id") should be used.

In addition, the selected entry can be accessed also when using these two input components with the CMS_INCLUDE-OPTIONS types "TEMPLATESET" and "LANGUAGE".

For further information about the data element CMS_INCLUDE_OPTIONS, about the tag KEY and about rules please refer to the "FirstSpirit Online Documentation V5.0".

Support of POST requests in the preview

From FirstSpirit Version 5.0.318 on, POST requests are supported in addition to GET requests in the preview.

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FirstSpirit Access API: New functions

Reindexing single elements

Besides the option to create the complete search index for a project anew, the search index can be updated also only for single sub-segments from FirstSpirit Version 5.0.318 on. The relevant methods are made available in the FirstSpirit Access API and can be executed by means of a script (starting point FirstSpirit Access API: interface **ProjectStorage** (package: **de.espirit.firstspirit.access.admin**)).

New "MediaFormsProducer" interface

The new **MediaFormsProducer** interface (package: **de.espirit.firstspirit.access.store.contentstore.gom.list**) can now be used to conveniently fill an FS_LIST input component with the *Mediamode* tag ("media gallery") with media objects using the API.

You can find more information on working with media galleries in the FirstSpirit Online Documentation, in the section "Advanced topics" / "Media galleries".

"SAP Business Package for FirstSpirit™" module: Transfer of portal entry points

The "portalEntryPoints" parameter can be used to transfer specific areas of the navigation setup out of a project's site store. In FirstSpirit 5.0.318 or later, the portal entry points can be transferred using the unique reference name (UID). A transfer was previously only possible using the ID.

You can find more information in the module documentation, *SAP Business Package for FirstSpirit™*, in the "Defining portal entry points" chapter.

New functionalities

ID	Role	Category	Sub Category	Description
133127	All Users	JavaClient and WebClient	Preview	Support for POST requests in the preview (also refer to the "Support for POST requests in the preview" submenu in the introduction).
133617	All Users	WebClient	Search	There is a search function available in WebClient with search restrictions the user can select. These search restrictions are now sorted alphabetically.

125863	Developer	JavaClient and WebClient	Dynamic Forms	In dynamic forms it is possible to use the following rule to check on which object the rule will be executed. The values "page", "pagefolder", "pageref", "pagereffolder", "picture", "file", "mediafolder" and "globalcontentarea" are available as the element type. A detailed description of this new function can be found in the introduction. Example:
				
				`<EQUAL>`
				`<PROPERTY source="#global" name="ELEMENTTYPE"/>`
				`<TEXT>page</TEXT>`
				`</EQUAL>`

137538	Developer	None	Search	Functional enhancements for re-indexing individual elements using the Access API (see the "Re-indexing individual elements" submenu in the introduction).
135095	FirstSpirit Administrator	None	Modules	The transfer of portal entry points in the "SAP Business Package for FirstSpirit™" module has been expanded. More information is available in the introduction (""SAP Business Package for FirstSpirit™" module: Transfer of portal entry points" submenu).

Bug-fixes

ID	Role	Category	Sub Category	Description
116024	All Users	JavaClient	All Stores	Unfortunately, the reference names of deleted objects could not be re-used in JavaClient in very rare cases.
135221	All Users	JavaClient	All Stores	The contents menu in WebClient is now displayed again in its entirety after deleting a section.
131486	All Users	JavaClient	Content Store	Saving modifications in the translation help in JavaClient leads to a check if the content changed in the meantime (for example by modifications made by another user). If there were modifications the user can reload the content. In the case of data records the display was not updated completely in the translation help by mistake.
132006	All Users	JavaClient	Content Store	In content sources, user guidance when creating a new data record and changing between data records has been improved.
133339	All Users	JavaClient	Content Store	The FS_DATASET input component can be used in a table template. If a data record with this configuration was in view mode, a value in the FS_DATASET could be deleted erroneously.
134406	All Users	JavaClient	Content Store	Exclusive data record editing can be configured for projects in FirstSpirit (server and project configuration: project properties/options). In this configuration, simultaneous data record editing in multiple JavaClient instances has been improved.
134670	All Users	JavaClient	Content Store	In JavaClient, a data record in a content source can be duplicated by pressing <Ctrl> and moving the specific data record at the same time. This functionality has been improved.
135158	All Users	JavaClient	Content Store	Exclusive data record editing can be configured for projects in FirstSpirit (server and project configuration: project properties/options). In this configuration, simultaneous data record editing in multiple JavaClient instances has been improved.
133235	All Users	JavaClient	ContentTransport	When using the "ContentTransport" functionality, it was possible for an error to occur when importing a feature if the feature contained a data record that had previously been deleted.

ID	Role	Category	Sub Category	Description
132457	All Users	JavaClient	Dynamic Forms	Using rules ("dynamic forms"), it is possible to force a value to be entered for input components ("EMPTY" property). If the "EMPTY" property is used at the "ON_SAVE" restriction level, the user's attempt to save data is rejected if a rule is violated. Unfortunately, saving a data record in the Data Store was not rejected when this type of rule violation occurred if a data record was selected in an FS_DATASET input component and this selection was removed.
136950	All Users	JavaClient	Dynamic Forms	Using rules (dynamic forms), it is possible to force a value to be entered for input components (EMPTY property). The FS_DATASET input component can be configured so that new data records can be added via the input component. After adding a new data record, the rules defined for the FS_DATASET input component were mistakenly not reapplied.
129595	All Users	JavaClient	Export / Import	In a release project, there may be objects that have been deleted whose parent node still has not been released. Erroneously, after a project export without deleted objects, the reference names for these deleted objects could no longer be used.
132112	All Users	JavaClient	Generation	The logging of connection losses during a cluster generation has been optimized. They are logged with the log level FATAL from now on.
132718	All Users	JavaClient	Generation	In very rare cases, never released data records were output during generation if they were stored as entries in FS_DATASET and FS_LIST (Database type) input components.
122624	All Users	JavaClient	Input Components	A link can be inserted in the CMS_INPUT_DOM input component in JavaClient using the key combination <Ctrl>+<Shift>+<R>. This was not working in all instances.
124131	All Users	JavaClient	Input Components	The entries of an FS_LIST have been displayed in a differing order in the overview by mistake after having modified the order of the entries repeatedly when using the layout components "stackedview" and "singleview".
124467	All Users	JavaClient	Input Components	For the FS_LIST input component (INLINE type, LinkTemplates template type), new entries can be created based on link templates. Filtering for link templates in the selection dialog was too restrictive and has been adjusted according to the security model.
127179	All Users	JavaClient	Input Components	The referenced data record in the FS_DATASET input component can be edited (if the configuration is relevant). Previously changes in the FS_DATASET input component had to be saved via the save function of the input component. Now changes are also taken into account when saving the element that contains the FS_DATASET input component.
130504	All Users	JavaClient	Input Components	After intermediate saving (<Ctrl>+<S>) of changes in an FS_LIST input component (INLINE type, simpleview and singleview layout components), changes that were not saved (red diskette icon) were mistakenly displayed in the workspace.
131056	All Users	JavaClient	Input Components	When using the "TabbedView" layout component in the FS_LIST input component, in very rare cases an error occurred after editing an entry multiple times in a separate window ("DETACH" action).
132576	All Users	JavaClient	Input Components	The FS_LIST input component can be used in the content store for entering sections (INLINE type). Unfortunately, the display width in the FS_LIST input component overview was not being updated when browsing between multiple data records in the content store.
132744	All Users	JavaClient	Input Components	Links can be inserted and edited in the input component CMS_INPUT_DOM. Copying content from the clipboard between the limitation marks of a generic link could lead to an error in JavaClient.
132952	All Users	JavaClient	Input Components	In the FS_REFERENCE input component, the – upload – parameter was temporarily not taken into account when data was being dragged and dropped to or from the input component..
133068	All Users	JavaClient	Input Components	Links based on generic link templates can be entered in the CMS_INPUT_DOM input component. Complex input components, such as an FS_LIST, can be used within a generic link template. Changes in this type of configuration were not being taken into account properly in some cases.
133154	All Users	JavaClient	Input Components	In the FS_LIST input component, another FS_LIST input component can be used in a section, in a link (INLINE type) or in a data record (DATABASE type). This type of arrangement is also called "nesting". With this type of configuration, an error occurred in very rare instances.
133187	All Users	JavaClient	Input Components	Additional FS_LIST input components could be entered in a section of the FS_LIST (INLINE type, SECTIONTEMPLATES template type) input component (known as nesting). If new sections were added to the inner FS_LIST input component, in rare cases these were not included when the user exited editing mode.
133431	All Users	JavaClient	Input Components	The CMS_GROUP design element can be used to group input components in FirstSpirit. Rules ("dynamic forms") can be configured that hide a CMS_GROUP for specific user groups. This kind of rule was not being evaluated in a nested CMS_GROUP if the limited group was specified first.
133840	All Users	JavaClient	Input Components	The saving behavior of the FS_LIST input component in JavaClient has been optimized for use with the "StackedView" layout component, for the input of many entries and for the frequent opening and closing of entries.
134203	All Users	JavaClient	Input Components	Display of the FS_DATASET input component has been optimized so that now an erroneous reference (e.g. due to deleting the referenced data record) is more obvious.
134819	All Users	JavaClient	Input Components	The FS_LIST input component can be configured so that new entries can be added. The user makes a selection from templates or data records when adding a new entry in the case of INLINE and DATABASE types. The user can choose from three different display types ("select-ui" parameter): "dialog" (dialog box with tree display), "popup" (pop-up menu with folder hierarchy) and "list" (popup menu without folder hierarchy). Previously it was possible to close the popup menu for the two display types "popup" and "list" by selecting an entry or pressing the <Esc> key. Now the popup menu can also be closed when the user clicks on an icon.
135205	All Users	JavaClient	Input Components	The search field in the FS_LIST and FS_DATASET input components of forms in WebClient is no longer emptied automatically after a selection is made.
135308	All Users	JavaClient	Input Components	In rare cases, an error could occur in the FS_LIST input component (Database type with "overview" and "tabbedview" (detailed view) layout components) when browsing through the entries in the toolbar for the overview or detailed view.
135728	All Users	JavaClient	Input Components	Input in the CMS_INPUT_LINK input component was not being undone properly after canceling.
135857	All Users	JavaClient	Input Components	Unfortunately, it was not possible to exit edit mode if validation with the VALIDATION tag was used in a section template used in an FS_LIST input component (INLINE type) in a rule ("dynamic forms") for the ON_EVENT restriction level and the defined rule was violated.
135962	All Users	JavaClient	Input Components	In the case of the FS_LIST (DATABASE type) input component, it is now possible to select multiple data records in the selection dialog and to add several new entries based on these data records.
135972	All Users	JavaClient	Input Components	In the FS_LIST (INLINE type) input component, using drag-and-drop to copy sections (SECTIONTEMPLATES template type) or links (LINKTEMPLATES template type) caused errors in very rare instances.

ID	Role	Category	Sub Category	Description
136227	All Users	JavaClient	Input Components	In the FS_DATASET input component (SHEET mode), the data record can now also be displayed in a subform when view mode is active.
133718	All Users	JavaClient	Media Store	In JavaClient, files in the media store can be created via drag-and-drop. Dragging and dropping a "csv" file in the media store incorrectly created a "txt" file.
136284	All Users	JavaClient	Media Store	In JavaClient it is possible to view technical and editing information about a file in the Media Store. The "Extras / Display properties" submenu is available in the context menu for this purpose. The "Stored URLs" tab is where you can view the stored URLs. Unfortunately, the stored URLs were not displayed for all files.
137269	All Users	JavaClient	Media Store	In the Media Store, the mime type was used for saving the ASF format (Advanced Systems Format) after a video using the WVM codec (Windows Media Video) was uploaded.
132115	All Users	JavaClient	None	Project languages can be hidden by users in JavaClient. Unfortunately, choosing a hidden project language and using Content Highlighting in the integrated preview could led to an error.
134530	All Users	JavaClient	None	Bypassing bugs in Java versions from 6 Update 39 and 7 Update 17 (see introduction, subitem "Bypassing bugs in Java versions from 6 Update 39 and 7 Update 17") when displaying image thumbnails in the Media Store.
137078	All Users	JavaClient	None	Since FirstSpirit version 4.2 release 4, error messages are displayed in the form of a speech balloon. Unfortunately, this speech balloon was temporarily not displayed.
113921	All Users	JavaClient	Page Store	Meta data have not been taken into account so far when importing Content packages with PackagePool.
132907	All Users	JavaClient	Page Store	Pages of the Page Store in JavaClient can also contain meta data. If the content of the page for a language and meta data were modified simultaneously the modifications of the meta data were by mistake not taken into account when leaving the editing mode or saving.
134885	All Users	JavaClient	Page Store	Copy templates can be used when creating sections in JavaClient. In this case, the desired position for the new section was not being taken into account in some instances.
135247	All Users	JavaClient	Page Store	Archived and partially archived revisions are hidden by default now when activating the "Show changes to media" option in the version history.
127661	All Users	JavaClient	Search	In FirstSpirit, a global search can be started using the input field in the upper left area of JavaClient. After limiting the search result by "References to unreleased elements", the search incorrectly did not return the referencing element as the search result. Once again, only elements whose referenced elements are not released are shown now.
135287	All Users	JavaClient	Search	A global search can be carried out in JavaClient using the search input field. The search results are displayed in the "Search" area. When selecting a search result with the Enter or Space key, the search result is now displayed directly in the editing area.
132605	All Users	JavaClient	Site Store	Tabs were displayed incorrectly on the root node of the Site Store if languages were hidden in JavaClient.
134383	All Users	JavaClient	Template Store	The "Restore deleted objects" menu item in JavaClient can be used to restore deleted objects. The restoration position in the selection dialog was not always correct in individual areas of the template store.
132587	All Users	JavaClient and WebClient	All Stores	In FirstSpirit, certain templates can be marked as a copy template and used when creating new objects. A content source section was also, incorrectly, able to be used as a copy template.
134860	All Users	JavaClient and WebClient	All Stores	Different reports are available in WebClient. For some, contents can be dragged to specific objects on the page using drag-and-drop. This functionality has been improved in various spots.
135980	All Users	JavaClient and WebClient	Input Components	If the CMS_INPUT_LINK input component was configured so that a link had to be added (allowEmpty="no"), it was unfortunately not possible to remove a link that had already been entered.
134464	All Users	JavaClient and WebClient	Preview	Using the "fs-server.conf" configuration file, delivery for certain file extensions is possible via an external web server instead of via the servlet engine ("preview.externalDelivery" parameter). The preview loading behavior has been improved for external delivery of files with the "html" file extension when the internal Jetty is used.
131512	All Users	Server and Project Configuration	All Stores	The reference calculation could result in an error if the project contained invalid links or missing templates. An informative message is now logged in the server log in this case.
132589	All Users	Server and Project Configuration	Media Store	In the server and project configuration, the permitted media types can be restricted with the media restrictions in the project properties. Unfortunately, Microsoft Office files with new filename extensions (introduced by Microsoft Office 2007/2010, e.g. "docx") were not fully being taken into account when uploading to the media store.
133612	All Users	WebClient	Content Store	In WebClient it is possible to edit data records in the preview. It is also possible to add new data records as a copy. If this type of data record copy was edited, it was unfortunately not possible to apply these changes to the data record.
135252	All Users	WebClient	Dom Editor	A link in the CMS_INPUT_DOM input component in WebClient can be cut out and then pasted or copied into a different DOM editor. When pasting in the link, not all information from the cut link was included.
134045	All Users	WebClient	Editing Language	In WebClient, validation messages from dynamic forms are now also shown in the active project language.
122589	All Users	WebClient	Input Components	Unfortunately, an empty selection list was displayed while adding an entry when the FS_LIST (SERVICE type) input component was used to enter content in WebClient.
128051	All Users	WebClient	Input Components	In WebClient, even changes to the cursor position using the arrow keys were incorrectly being assessed as changes in the CMS_INPUT_DOM input component.
130053	All Users	WebClient	Input Components	In WebClient, links can be used and edited in the CMS_INPUT_DOM input component. In rare situations when using Mozilla Firefox, pressing backspace would not entirely delete a link.
130414	All Users	WebClient	Input Components	The FS_LIST input component can be configured so that new entries are always added before or after the current entry or at the first or last position ("ADD" and "NEW" actions, "add-index" or "create-index" parameter). In WebClient the parameters "add-index" and "create-index" were unfortunately not completely taken into account.
131161	All Users	WebClient	Input Components	The "maxEntries" parameter was not being correctly taken into account in WebClient in the FS_LIST input component (INLINE type).
131560	All Users	WebClient	Input Components	In WebClient, the tooltips for the CMS_INPUT_PERMISSION input component have been expanded.
131634	All Users	WebClient	Input Components	The selected, preferred display language is used for the labeling of the input components and their entries in JavaClient. On the other hand, the project language currently used in the preview is used for the labeling of input components and entries in WebClient.

ID	Role	Category	Sub Category	Description
132017	All Users	WebClient	Input Components	The "propertyConfig" parameter can be used to configure the cell property dialog freely in the CMS_INPUT_DOMTABLE input component. To date, JavaClient has displayed a selection box for the horizontal arrangement in this dialog without additional configuration, even if just a text input field has been defined. The behavior in WebClient now conforms to JavaClient's behavior.
134111	All Users	WebClient	Input Components	If an empty group was defined in the metadata using the CMS_GROUP design element, this group and also other components within this form were unfortunately not displayed in WebClient.
134769	All Users	WebClient	Input Components	Input components in WebClient, such as the FS_LIST input component, can be edited in the preview. Unfortunately, it was erroneously not possible to edit individual entries of an FS_LIST input component (INLINE type) directly in WebClient if the input component was used in metadata.
135256	All Users	WebClient	Input Components	Spell checking has been improved in the CMS_INPUT_DOM and CMS_INPUT_DOMTABLE input components in WebClient.
135471	All Users	WebClient	Input Components	Unfortunately, in some rare instances in WebClient it was not possible to edit an empty "CMS_INPUT_DOM" input component directly in the preview page.
136058	All Users	WebClient	Input Components	New entries can be added or existing entries can be removed when using the FS_LIST (DATABASE type) input component in WebClient to enter content. If an existing entry to a data record was removed, a new entry for this data record could only be added after saving it first.
133292	All Users	WebClient	Media Store	In WebClient, elements can be edited directly by editors using the InEdit function. For images, the InEdit function can be configured so that images can be cropped. Mirroring is only valid on a cropped image. The save button now becomes active only once a cropped image has been selected.
134522	All Users	WebClient	Media Store	In WebClient, multiple media files can be uploaded from the file system simultaneously using drag-and-drop. Erroneously, the upload for all of the media was prevented if one or more of the media files did not meet the configured media restrictions.
137278	All Users	WebClient	Media Store	When cropping an image in WebClient, the "Reset image section" functionality unfortunately could temporarily not be used.
132319	All Users	WebClient	New Action	When creating a section in WebClient, the copy templates were incorrectly not being offered to the user for selection if just one individual section template was approved for the content area.
135938	All Users	WebClient	New Action	Using the FS_BUTTON input component, it is possible to execute a script or a class by dropping elements or by clicking on the button. A class for adding a new section is included with FirstSpirit ("class:NewSection") for WebClient. Unfortunately, an error sometimes occurred in the Microsoft Internet Explorer 8 browser when executing this class.
127955	All Users	WebClient	None	In WebClient, content-related section changes were not being taken into account in rare cases in the project history and the historic version.
135538	All Users	WebClient	None	Inherited metadata can serve as the basis for a new definition on an element. An error occurred in WebClient after accepting and changing an inherited metadata and then subsequently deleting the metadata.
135582	All Users	WebClient	None	Positioning of the image cropping icon was improved in WebClient.
128391	All Users	WebClient	Page Store	The user is shown a dialog with available templates when creating a new page in WebClient. However, no pages marked as copy templates were being taken into account.
135223	All Users	WebClient	Page Store	In WebClient, sections can be moved to another position using drag-and-drop. When subsequently creating a new section at an existing section using the Add icon, the new section was always being created at the last position. Now it is created directly after the existing section.
134266	All Users	WebClient	Search	A list of search restrictions is shown after a successful search in WebClient. The appearance of this list has been improved.
132312	All Users	WebClient	Site Store	In WebClient, the user is shown a menu with available copy templates when creating a new section (EasyEdit). The appearance of this menu has now been improved.
137066	All Users	WebClient	Tasks	Tasks available to the current user are displayed in the "Tasks" area in WebClient. The user can view additional information about a task using the drop-down menu. In very rare cases, the drop-down menu was mistakenly not displayed.
133117	All Users	WebClient	Workflow	A dialog is displayed in WebClient when starting and switching a workflow. Editing outside the dialog is not possible while the dialog is displayed.
133142	All Users	Webstart	Security	Safety improvements in the field of Webstart and Quick start projects.
131792	All Users	WWW Homepage	All Stores	In WebClient, "EasyEdit" functionality was implemented in order to allow direct editing of sections and data records within the preview page to help avoid the need to use separate pop-up windows as much as possible. Hovering the mouse pointer over a section sometimes caused more than just the section to be highlighted with the EasyEdit frame.
133139	All Users	WWW Homepage	Security	Safety improvements in the login page (web application Start page).
134931	Developer	JavaClient	Database Configuration	Using the functionality "ContentTransport" in combination with a PostgreSQL database could led to an error when saving modifications at a database schema.
134295	Developer	JavaClient	Dynamic Forms	Expansion of the "ENTRY" rule property functions ("dynamic forms"). More information is available in the introduction ("Expansion of the property ENTRY" submenu).
134915	Developer	JavaClient	Dynamic Forms	Expansion of the "ENTRY" rule property functions ("dynamic forms"). More information is available in the introduction ("Expansion of the ENTRY property" submenu).
113132	Developer	JavaClient	Template Store	In very rare cases, inserting content into a form from the clipboard in the template store resulted in an error.
133271	Developer	JavaClient and WebClient	None	Content Highlighting in JavaClient and EasyEdit/InEdit in WebClient can be configured using the "editorId(...)" instruction function. XHTML conformity for the instruction function has been improved.
137309	Developer	JavaClient and WebClient	Scripting	When using the "ShowFormDialogOperation" interface (Developer API, de.espirit.firstspirit.ui.operations.ShowFormDialogOperation), previously it was necessary to define text for the "OK" button when the "void setOkText(String okText)" method was used. Now a default text is used for the button when the method is not invoked.
128488	Developer	None	Scripting	New Access API interface "MediaFormsProducer". More information is available in the introduction ("New "MediaFormsProducer" interface" submenu).
131690	Developer	None	Scripting	Using the "perform(DataProvider element)" method of the OpenElementDataFormOperation interface (Developer API, de.espirit.firstspirit.ui.operations.OpenElementDataFormOperation), it is possible to display the form related to a DataProvider element (Access API, de.espirit.firstspirit.access.store.pagestore.DataProvider). In the RemoteFormData object (Access API, de.espirit.firstspirit.forms.RemoteFormData) returned by the method, changes made in the form were mistakenly not included.

ID	Role	Category	Sub Category	Description
132094	Developer	None	Scripting	Erroneously, "Null" was not returned after having modified the reference name of an element, using the method "getStoreElement(String uid, IDProvider.UidType uidType)" of the interface "Store" (Access API, de.espirit.firstspirit.access.store.Store) and specifying the original reference name.
135848	Developer	None	Scripting	It was possible for an error to occur in the case of a certain combination of "SelectStoreElementOperation" interface methods (Developer API, de.espirit.firstspirit.ui.gadgets.aspects.operations.SelectStoreElementOperation) when arranged in a particular order.
134439	Developer	Template	None	The deprecated input components CMS_INPUT_CONTENTAREALIST, CMS_INPUT_CONTENTLIST, CMS_INPUT_FILE, CMS_INPUT_LINKLIST, CMS_INPUT_OBJECTCHOOSER, CMS_INPUT_PAGEREF, CMS_INPUT_PICTURE, CMS_INPUT_SECTIONLIST and CMS_INPUT_TABLIST can now be viewed in the Form tab of a template as "deprecated" when using auto completion.
131061	Developer	WebClient	None	Using the attribute "meta" in the inline function "editorId" could led to a incorrect display of the editing bar in WebClient in some rare cases.
135786	Developer	WebClient	Scripting	If a form dialog was opened in a script within a workflow using the "showForm()" method of the "GuiScriptContext" interface (Access API, de.espirit.firstspirit.access.GuiScriptContext), an error sometimes occurred in WebClient when the user switched the editing language.
137073	Editor	JavaClient	Dom Editor	Changing link text in JavaClient – within the references – in the CMS_INPUT_DOM input component sometimes caused other link content to be ignored when the user exited editing mode.
135354	Editor	JavaClient	Input Components	Another FS_LIST input component can be used in the entry of an FS_LIST input component (type INLINE, so called "nesting"). Special configurations in JavaClient could led to an error when using the property "TRANSLATED" within a rule ("dynamic forms") in a nested FS_LIST input component .
136189	Editor	JavaClient	Input Components	In very rare cases, changes were not taken into account after multiple editing a new entry in the input component FS_LIST (type INLINE) when terminating the editing mode in JavaClient.
137563	Editor	JavaClient	Media Store	Another file extension than "png" was assigned erroneously to images in the PNG format in case of special color depths when dragging & dropping them in the media store of the JavaClient.
137601	Editor	JavaClient	Media Store	The file extension "doc" was assigned erroneously to PowerPoint files of the Microsoft Office versions 97 to 2003 (file extension "ppt") after having dragged & dropped them into the media store of the JavaClient.
135375	Editor	WebClient	None	When using the Microsoft Internet Explorer 8 browser with particular CSS configurations in WebClient, the editing elements were not always completely displayed in the preview.
137753	Editor	WebClient	Tasks	In WebClient, obsolete information was displayed in very rare instances in the drop-down menu of the task area.
135843	Editor	WebClient	Workflow	Workflows were unfortunately only included in WebClient when they were located directly under the root node of the Template Store.
132215	FirstSpirit Administrator	Administration	Backup	After use of the method "serverBackupPrepare(long prepareTimeout, long backupTimeout)" of the interface "AdminService" (Access API, de.espirit.firstspirit.access.AdminService) for activating the external server save mode as FirstSpirit server administrator it was unfortunately not possible to terminate the save mode by using the method "serverBackupDone()".
132106	FirstSpirit Administrator	Administration	Clustering	When executing a generation schedule in the cluster environment, in case of a failure of the used network structure an error message of the type Fatal will now be logged.
135164	FirstSpirit Administrator	Administration	None	The option "Delete backup files older than x weeks" (Server and Project Configuration / Server / Clean-up) was removed. In addition, the function "Delete project backups older than x weeks" has been improved. More information on this function is available in the "Documentation for Administrators".
133926	FirstSpirit Administrator	JavaClient	ContentTransport	When the "ContentTransport" functionality was used, a data record reference in an FS_DATASET input component was ignored if the referenced data record was not found in the target project.
134199	FirstSpirit Administrator	JavaClient	ContentTransport	In very rare cases "under particular project configurations", problems in assigning data records occurred when a feature was imported ("ContentTransport" functionality). Assignment and error handling have been optimized.
136328	FirstSpirit Administrator	JavaClient	ContentTransport	Some page references (site store) were erroneously not deposited as start node of the menu level after installing a feature into the target project (functionality ContentTransport).
137137	FirstSpirit Administrator	JavaClient	ContentTransport	Installing a feature with data records with a 1:1 foreign key relation ship could led to an error when using the functionality "ContentTransport".
119531	FirstSpirit Administrator	JavaClient	Generation	Previously it was only possible to define a short URL for an element. Now it is also possible to define multiple short URLs for an element.
135200	FirstSpirit Administrator	JavaClient	Generation	Improvement in the entry of SEO and short URLs: (manual) SEO and short URLs can now only be saved when the URL ends with a file extension.
129259	FirstSpirit Administrator	JavaClient	Input Components	In a link template ("generic link template"), it was erroneously possible to assign a CMS_INPUT_NUMBER input component for the "link text" field.
135077	FirstSpirit Administrator	JavaClient	Input Components	An invalid reference to a data record (e.g. deleted data record) was erroneously not shown in the reference graph in case of the input component FS_DATASET.
135611	FirstSpirit Administrator	JavaClient	Package Pool	In very rare cases, updating a subscription ("Corporate Content") could led to an error.
133063	FirstSpirit Administrator	None	Generation	In the case of delta generation, content already generated was sometimes analyzed again if the option "Generate only if necessary" was disabled during generation.
135030	FirstSpirit Administrator	None	Generation	When using SEO URLs and implementing remote projects, a malfunction occurred when the remote URLs were generated during the generation process.
137106	FirstSpirit Administrator	None	Generation	Using the functionality "Delta generation" could led to an error in the generation in very rare cases.
129118	FirstSpirit Administrator	None	Input Components	In very rare cases using a self implemented input component in more than one web application could led to an error.
134349	FirstSpirit Administrator	None	License	The maximum number of permitted projects specified in the license will be better taken into account from now on.
133938	FirstSpirit Administrator	None	None	Parameters, separators (equals signs) and values previously had to be specified without blank spaces in the fs-server.conf configuration file. Now parsing has been improved and FirstSpirit no longer takes spaces between parameters, separators and values into account when importing the file and logs a notice message.
134615	FirstSpirit Administrator	Server and Project Configuration	Tasks	In FirstSpirit, a generation action can be created in a generation schedule. Here, a new variable can be created and assigned a value on the "Advanced" tab. This change is now also taken into account if the input is confirmed directly with the OK button.

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ID	Role	Category	Sub Category	Description
136711	FirstSpirit Administrator	Server and Project Configuration	Tasks	Actions, such as for generation, can be defined in a project schedule. Copies can be created in the schedule from existing generation actions. Unfortunately, direct editing of individual fields of the copy was not possible in rare instances.
136336	FirstSpirit Administrator	Server-Monitoring	None	Modifying the properties of the wrapper using the Server Monitoring (sub item "Server Monitoring / FirstSpirit / Configuration / Start options") could led to an error.
133724	FirstSpirit Administrator	Server-Monitoring	Search	There is an option in server monitoring to search through FirstSpirit log files. Unfortunately, the button for starting the search was not localized to the selected interface language.
133404	Server Administrator	JavaClient	Template Store	In link templates (template store), the input component where the link text is stored can be specified on the "Properties" tab in the "Link text" field. An input component of CMS_INPUT_NUMBER type was incorrectly able to be selected here as well.
131711	Server Administrator	Server and Project Configuration	Deployment	Schedules can be created in the Schedule management with a deployment action. Actions can be created as a copy of an already existing action. After editing the original or the copy the modification was visualized by mistake in both actions.
129365	Server Administrator	Server and Project Configuration	Tasks	A start date for executing tasks can be defined for each task in the Schedule management in the Server and project configuration. If a one-time execution was chosen the start date could lie in the past under certain conditions. In this case, the user can decide if the task is to be executed immediately or not at all. In some cases, the selection of the user to not execute the task was not taken into account.