

Previously released versions: 5.0.105, 5.0.106, 5.0.114

New and improved functionalities in WebClient

Master copies for sections and data records

Master copies can be used to create copies of FirstSpirit objects quickly. Until now, they made it possible to create copies of existing pages including all sections of the page. Copy templates are also utilized in JavaClient.

With Version 5.0.210, the options for using master copies in WebClient have been expanded further: now, sections and data records can be identified as master copies too.

Sections can be identified as master copies by means of the new “Use as master copy” function, which can be accessed via the icon bar.

Appropriate existing master copies are then displayed when new sections and data records are created.

In addition, bookmarks can now be converted into master copies with just one click, and vice versa, in the bookmark report.

Detailed explanations of the new master copies functions can be found in the following sections of the *FirstSpirit WebClient Documentation*, among others:

- Editing a preview page / Sections
- Editing a preview page / Input elements / Lists
- Editing a preview page / Input elements / Lists / Link and section lists
- Menu functions / Content area / Create data records
- Report area / Bookmarks

Displaying and editing media

More information on media is now shown in the report area: if the mouse pointer is hovered over a medium, not only does a preview appear on the left of the report, but the full file name, the file extension, a description, and the size of the medium are also displayed. As far as images are concerned, the pixel information from the original resolution is used for the size specification.

Previously, clicking on a medium would open a dialog for editing it. Now, clicking on an image displays the thumbnail in its original size, while clicking on a file enables it to be downloaded to the workstation.

The following actions can now be performed for media in the report area:

- Edit
- Download
- Edit metadata

As is the case for other FirstSpirit objects, media can now only be edited by an editor, so conflicts can no longer occur. If a medium is being edited by another editor, a corresponding message appears.

In addition, the save location is now displayed in a tree structure format in the dialog for uploading or editing media. However, it is not possible to change this save location.

Detailed explanations of the new functions involving media can be found in the following chapters of the *FirstSpirit WebClient Documentation*, among others:

- Menu functions / Media area / Editing a medium
- Report area / Search

Closing windows

Whereas previously, dialogs could only be closed using a “Close” button in WebClient, now all dialogs feature an X symbol at the top right-hand corner. This icon can be used to close the dialog, irrespective of how many forms or subdialogs have been opened. If changes have been made in a (sub)dialog, a confirmation prompt appears prior to closing it, in order to prevent data being lost by mistake.

Detailed explanations of how windows are closed in WebClient can be found on the following page of the *FirstSpirit WebClient Documentation*:

- Editing a preview page / Working with dialogs

Improved checking and visualizing AppCenter slots for customer specific reports

WebClient supports from version 5.0 on customer specific integration of foreign applications in the form of reports. These reports as application integrations require a free AppCenter slot. Already when adding a report to a project it is checked with FirstSpirit version 5 Release 2 if sufficient AppCenter slots are available and a warning will be shown if necessary. The behavior when instantiating reports without sufficient licensing has been improved too, by displaying an appropriate notification in WebClient now.

Reference names in WebClient

Each FirstSpirit object has a reference name which must be unique for each store area. For this reason, reference names are always automatically made unique when creating new objects, normally by attaching a numeration, for example

_1

For performance reasons, reference names of pages (Page Store) and page references (Site Store) will be made unique by attaching an underscore and a twelve-digit string in WebClient from version 5.0.210 on, for example

_xitefo542bdt

This modification has not any effect for editors or users in general because the reference name is normally not visible in JavaClient and WebClient.

The behavior for sections and the behavior in JavaClient was not modified.

Display names in modules

Until now, only one name could be defined for a module and its individual components, and only specific characters could be used for the name (**A-Za-z0-9; _-**).

With 5.0.210, it is now possible to define a display name for the module and the individual components, via the “displayname” optional field. If no display name is specified for a module or component, the (technical) name continues to be displayed.

Example:

```
<module>
  <name>MyModuleName</name>
  <displayname>Display name of my module</displayname>
  <version>1.0</version>
  <components>
    <library>
      <name>MyLibraryComponent</name>
      <displayname>Display name of my library component</displayname>
      ...
    </library>
  </components>
</module>
```

More information on module development can be found in the *Developer Handbook for Components* (only available in German language).

Dynamic forms: Rules for individual content areas

Page templates can feature several content areas, depending on the layout of the page (e.g., “left”, “center”, “right”). The template developer can define which section templates can be used for each content area (e.g., the “text/image” section template only in the “center” content area).

The BODY attribute can be used to define a rule, which enables a form element of a section template to be shown, according to the content area in which the form is opened. In this way, specific form elements can be shown or hidden within a particular content area.

More information on and examples of the BODY attribute can be found in the “Template development / Rules/ Form properties <PROPERTY/> / BODY property” subchapter of the *Online Documentation FirstSpirit V5.0* (only available in German language at the moment).

Improved standard permissions configuration for new projects

Until now, once a new project was created, only the “Everyone” group was defined with the “Visible” and “Read” permissions in the permissions configuration in all stores.

In FirstSpirit Version 5.0.210, the standard permissions configuration for newly created projects has been improved.

Now, the “Administrators” group is also defined with all permissions in all stores.

This change has no effect on existing projects.

Expandability of the JavaClient and WebClient (plug-ins)

From FirstSpirit version 5.0 Release 2 on, JavaClient and WebClient can be expanded customer specific by plug-ins in many places.

For example, the context menu and the horizontal symbol bar in JavaClient can be extended by customer specific elements.

WebClient can be extended by means of plug-ins too, for example by InlineEdit buttons, menu entries, reports etc.

For further information about the expandability options of JavaClient and WebClient by means of plug-ins please see Developer API, *FirstSpirit Documentation for Developers (AppCenter)* and *Online Documentation FirstSpirit V5.0* (menu item "Plug-In Development").

Starting and switching workflows by means of the FirstSpirit API

Within the typical work routine, editors normally start a workflow or switch them to the next state after the creation or modification of elements.

From FirstSpirit version 5.0 on, it was already possible to start a workflow using the specialist "WorkflowAgent" (Developer API, interface `de.espirit.firstspirit.webedit.server.agency.WorkflowAgent`) for WebClient.

From FirstSpirit version 5.0 Release 2 on, it is now possible to start and to switch workflows to another state in JavaClient and in WebClient.

The old specialist "WorkflowAgent" within the package `de.espirit.firstspirit.webedit.server.agency.WorkflowAgent` has been dropped in order to create a homogeneous basis for both clients.

The new common specialist is named "WorkflowAgent" too, but can be found in the package `de.espirit.firstspirit.workflow.WorkflowAgent`.

For further information about specialists please see *FirstSpirit Documentation for Developers (Components)* (available in German language only). The individual methods of the specialist "WorkflowAgent" can be found in the Developer API.

Modul SAP Business Package for FirstSpirit: Remote project links

You can use the module "SAP Business Package for FirstSpirit" to integrate FirstSpirit navigational structures and content into the SAP Enterprise Portal (SAP EP).

A remote project configuration to another project can be defined in projects.

The portal configuration of the local project has been taken into account for links to objects of the remote project so far.

Now, the portal configuration of the remote project is always used for remote project links.

FirstSpirit web applications

Modifications to web applications (e.g. preview, staging, WebEdit) can become necessary because of continuing improvements of FirstSpirit.

One web application can be configured for a production environment (web component "Production (live)") for each project. A WAR file can be created for the installation on an external application server. The parameters of the individual web.xml files of the web applications are combined to one web.xml file.

The web applications "Start page" (fs5root), "Preview" (fs5preview), "Staging" (fs5staging) and "Server Monitoring" (fs5webmon) needed to be adapted in order to that the module "FirstSpirit Dynamic Personalization" can also be used within special external application servers.

For this reason, the global and project local web applications must be updated manually as with each FirstSpirit update when using an external application server.

If the internal application server "Jetty" is used, the FirstSpirit server/s should be restarted after updating the web applications

Permission service: The encoding of the group XML files has been modified

The encoding for group XML files was not evaluated correctly up to FirstSpirit 5.0 Release 2 and "ISO-8859-1" was taken.

Unfortunately, this kind of encoding was not sufficient for a multitude of characters.

For this reason, the evaluation of the encoding has been corrected and "UTF-8" is used now by default for writing the group XML file.

If the group XML files are created by scripts, these scripts should be adopted if necessary so that "UTF-8" is used as encoding.

It is recommended to check the group XML files and the display (for example in the input component CMS_INPUT_PERMISSION) after having updated to FirstSpirit 5.0 Release 2.

New functionalities

ID	Role	Category	Sub Category	Description
99113	Developer	None	Workflow	The FirstSpirit API has been enhanced by the option for starting and switching workflows. For further information please see introduction (sub item "Starting and switching workflows by means of the FirstSpirit API").
124482	Developer	None	Modules	You can define display names in modules now. For further information please see introduction (subitem "Display names in modules").
128406	All Users	WebClient	None	The master copy functions in WebClient have been enhanced. For further information please see the introduction (sub item "Master copies for sections and data records").
129341	Editor	WebClient	None	In WebClient it is now possible to close a window in a subform too. Previously, the subform had to be exited in order to close the window.
129786	Developer	JavaClient and WebClient	Modules	JavaClient and WebClient can be extended by the means of plug-ins. For further information please see the introduction (sub item "Expandability of the JavaClient and WebClient (plug-ins)").
130273	All Users	WebClient	None	The display and editing of media in WebClient has been improved. For further information please see the introduction (sub item "Displaying and editing media").
131196	FirstSpirit Administrator	Server and Project Configuration	Projects	When creating a new project, permissions are also defined for the individual stores (known as the standard permissions configuration). The standard permissions configuration has been optimized. More information can be found in the introduction (under "Improved standard permissions configuration for new projects").
131241	All Users	WebClient	None	The checking and visualizing of AppCenter slots for customer specific reports in WebClient has been improved. For further information please see the introduction (sub item "Improved checking and visualizing AppCenter slots for customer specific reports").
131627	Developer	None	None	It is now possible to get a SpecialistsBroker at further positions within the API (Developer API, de.espirit.firstspirit.agency.SpecialistsBroker), for example by means of the method getBroker() within the interface Connection (Access API, de.espirit.firstspirit.access.Connection).

Bug-fixes

ID	Role	Category	Sub Category	Description
74690	FirstSpirit Administrator	Server and Project Configuration	Modules	When the "Test" button of the "JDBC" authentication and group module (FirstSpirit DynamicPersonalization) was pressed, the "Authentication unsuccessful" message was displayed even if valid login information had been entered.
104613	Editor	JavaClient	Dom Editor	An individual bullet point can be moved out of a list in the DOM editor. Unfortunately, in so doing, the list type that applied before the bullet point was moved out is not retained.
106836	Editor	JavaClient	Input Components	Entries can be copied in the input component FS_LIST (type DATABASE, action COPY). If a copied entry is modified and another entry selected afterwards, without saving the modifications, the user will get a demanding dialog. The user can then decide if he wants to save or discard the modifications. Unfortunately, this dialog could not be closed in some rare cases.
108383	Editor	JavaClient	None	Unfortunately, the menu items were deactivated initially in some rare cases after starting JavaClient under MacOS X.
110478	Editor	WebClient	Input Components	The display of the CMS_INPUT_PERMISSION input component in WebClient has been optimized for instances where no activities (ACTIVITIES tag) are defined for the input component. In addition, the root node in the input component is now expanded by default.
114392	Editor	JavaClient	Input Components	With Mac OS X it was unfortunately not possible to enter special characters in the CMS_INPUT_DOM input component using the "alt" key ("option key"), e.g., "@".
114491	Editor	JavaClient	Input Components	If an entry was modified in the FS_LIST input component and this change was not saved, a confirmation dialog appears to the editor when he selects a different entry or creates a new one. If nested FS_LIST input components were used in a specific configuration, this confirmation dialog could not be closed with the "Cancel" button.
114659	Server Administrator	None	None	In very rare cases in the past, using the FirstSpirit server with Windows Server 2008 R2 in a virtualization could result in an error.
120481	Editor	JavaClient	Page Store	Unfortunately, the keyboard shortcut for creating section references was not taken into account under MacOS X in JavaClient.
122075	FirstSpirit Administrator	None	Modules	The alignment of the Access Control database using the CRC Transfer servlet (FirstSpirit Security) has been optimized.
122505	Editor	JavaClient	Content Store	The last and the new data record were selected by mistake when creating a new data record in the Content Store in JavaClient.
122692	FirstSpirit Administrator	None	Generation	In some very rare cases, carrying out a schedule with generation action in parallel could led to an error.

ID	Role	Category	Sub Category	Description
123114	Editor	JavaClient	Media Store	Media restrictions can be defined for a project (Server and project configuration/Project properties/Media restrictions). If a restriction was defined subsequently for a media type, the target medium was unfortunately not removed after a medium with an impermissible file extension was copied & pasted. In a case such as this, a prompt dialog now appears, asking whether the impermissible medium should be removed.
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 led in some rare cases to problems in JavaClient.
124376	Editor	JavaClient	Input Components	If an FS_LIST input component was configured in such a way that only the "overview" layout component was visible, defined rules ("dynamic forms") were unfortunately not taken into account if editing was canceled (<Ctrl>+<Shift>+<E>).
125602	Editor	WebClient	None	Help texts can be displayed in some dialogs in WebClient. Unfortunately, the respective help text overlapped the dialog partly when editing the navigation and moving a menu item (dialog "Edit navigation"). Now the help text is hidden when a menu item is moved.
125869	Editor	JavaClient	Dom Editor	The CMS_INPUT_DOM input component can be configured in such a way that only certain link and format templates can be used (known as limitations). Unfortunately, in the past these limitations were not taken into account when content was pasted from the clipboard into a CMS_INPUT_DOM input component.
126336	Editor	JavaClient	Input Components	An error occurred if an entry was moved onto itself via drag & drop in the overview of an FS_LIST input component ("overview" layout component).
126338	Editor	WebClient	Content Store	In some rare cases, editing a data record in WebClient could led to an error when using PostgreSQL as data base.
127718	Editor	WebClient	Dom Editor	The sorting order of the link templates in the input component CMS_INPUT_DOM in WebClient has been adjusted to that in JavaClient.
127848	All Users	WebClient	None	The logged in user is now displayed in WebClient (for example in the information dialog which can be accessed via the FirstSpirit icon).
127856	Editor	JavaClient	Clipboard	In rare cases in the past, an error could occur when opening an entry in the clipboard area ("Organize" area).
127901	Editor	WebClient	Search	The dropdown list of the search field in WebClient has been optimized: it can now be opened and closed by clicking in the search field.
127959	Editor	JavaClient	Input Components	In some rare cases, a notification dialog that modifications were not stored was displayed when switching to another data record, if an entry was modified in the input component FS_LIST (type DATABASE) and saved.
128000	Editor	JavaClient	Input Components	With the CMS_INPUT_PERMISSION input component, created links were unfortunately not taken into account for the reference graph.
128015	Editor	WebClient	None	Workflows were shown by mistake in the comparison view in WebClient.
128046	Editor	JavaClient	Search	In some rare cases in the past, an error could occur when searching in JavaClient via the central search field (left).
128111	FirstSpirit Administrator	Server and Project Configuration	Tasks	In FirstSpirit action templates can be defined for use in a project schedule, for example. If an action template was used for a deployment in a project schedule, the properties could have been edited erroneously.
128135	Editor	JavaClient	Search	The global search in JavaClient has unfortunately not returned any results for text fragments including ellipses.
128210	Editor	WebClient	None	In the past, an error could occur if the creation of a new section was canceled in WebClient.
128234	Editor	JavaClient	None	In the "TabView" display in JavaClient, elements can be opened on a separate tab. Pages from the page store were unfortunately not always displayed in full and sometimes without taking the display language into account.
128305	Developer	Template	Template Development	The "callback" parameter can be used in the "fsbutton" instruction function to evaluate and further process return values from the scripts and executables with the aid of a JavaScript function. Unfortunately, the evaluation of the "callback" parameter did not work in all instances.
128399	Editor	WebClient	None	In WebClient new pages can be created as copies of existing pages. The copy destination has been improved. The copy is now created on the same level as the original page by default.
128444	Editor	WebClient	Input Components	In WebClient, drag & drop and the InEdit functionality can be used to upload images or modify references (FS_REFERENCE input component), for example. Unfortunately, when data records were dragged & dropped, for example, from the search report, this caused problems with FS_DATASET input components.
128496	Editor	JavaClient	Content Store	A foreign key relationship can be defined between two tables in a database schema. An attribute can be assigned for each direction (i.e., from table A to table B and vice versa) for the foreign key relationship. An attribute is required to link one or more data records of one table to one or more data records of the other table. Attributes are usually defined for both directions. However, if no attribute was specified for one direction, when a data record was copied – in the content store –, copies of the referenced data records were erroneously created too.
128567	Editor	WebClient	Dom Editor	If long display names were defined for format templates this could led to display problems in the input component CMS_INPUT_DOM in WebClient.
128625	Editor	JavaClient	Input Components	In rare cases in the past, with certain configurations an error could occur in the FS_LIST input component (DATABASE type) if a new entry was added.
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.
128678	Editor	JavaClient	Modules	When using the module "Corporate Content" under MacOS X, unfortunately the context menu could not be opened on an element in the reference graph.
128805	Editor	JavaClient	Input Components	In the past, a display problem could occur in the FS_LIST input component (DATABASE type) when using the "tabbedview" layout component if an entry contained an FS_LIST input component (DATABASE type) with a defined "tabbedview" layout component (known as nesting).
128864	Editor	JavaClient	Content Store	Unfortunately, when searching for data records in the Content Store of the JavaClient only data records were returned as hits which were in the number of displayed data records.
128888	Editor	WebClient	Dom Editor	Unfortunately, cell formatings (e.g. the background color) of an inline table in the input component CMS_INPUT_DOM in WebClient were not taken into account completely by mistake.

ID	Role	Category	Sub Category	Description
128900	Developer	WebClient	Template Development	<p>Usage of the "show(String report, JavaScriptObject param, boolean refresh)" WebClient API method of the Report interface (Developer API, de.espirit.firstspirit.webedit.client.api.Report) has been improved. Reports can now be addressed directly via an identifier (e.g., "Bookmarks"). The following identifiers are currently available: "Bookmarks", "History", "MyChanges", "Notifications", "RelatedObjects", "Search", and "Tasks". Example:</p> <pre>WE_API.Report.show("Bookmarks", {"pattern": "searchThis"}, true);</pre> <p>In addition, several custom reports can now be addressed. The class name including the package must be specified for a custom report, e.g.,</p> <pre>WE_API.Report.show("com.mycompany.package.CustomReport", {"pattern": "searchThis"}, true);</pre>
129063	Developer	None	None	Contrary to the API documentation, when using the methods "getFormatTemplate()" and "getTagName()" of the Access API interface "DomNode" (de.espirit.firstspirit.access.editor.value.DomNode) the link template or the tag name of the father element was not returned for a text node by mistake.
129097	Editor	WebClient	Input Components	Unfortunately, default values for input components which were defined in the link template to be the "link text" in generic links in WebClient were not taken into account.
129221	Developer	Template	Template Development	In some rare cases, when passages of a template had been marked, the marking would be canceled erroneously on releasing the mouse button.
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.
129278	Editor	WebClient	Input Components	After having carried out a script by means of the input component FS_BUTTON in WebClient a notification was displayed by mistake.
129348	Editor	JavaClient	None	A uniform order, regardless of the direction of selection, has been introduced for the selection of several tree elements by means of the mouse in JavaClient.
129357	Developer	JavaClient	Template Development	Parameters in instructions (e.g. \$CMS_REF(...)\$) must be obligatory separated by comma. Unfortunately, no error notification was displayed when saving if no comma were indicated.
129388	Developer	WebClient	Scripting	A confirmation dialog can be shown to the user when executing a script by using the interface "RequestOperation" (Developer API, de.espirit.firstspirit.ui.operations.RequestOperation). The display of this confirmation dialog in WebClient has been improved. If "\n" is indicated within the question text (method "perform(String question)") a line break is inserted at this position. Overlong button texts will now be shortened automatically, the complete text will still be displayed in the tooltip.
129447	Developer	WebClient	Input Components	If the CMS_INPUT_PERMISSION input component was configured incorrectly in WebClient, unfortunately no error message was displayed.
129456	Developer	None	Scripting	Unfortunately, the "setModified(boolean modified)" and "setOkText(String okText)" methods of the ShowFormDialogOperation interface (Developer API, de.espirit.firstspirit.ui.operations.ShowFormDialogOperation) were erroneously not taken into account in the WebClient form dialog.
129458	FirstSpirit Administrator	Administration	Export / Import	<p>A password is obligatory for internal FirstSpirit users, i.e. "empty" password are forbidden. When importing a project a random password will be assigned to a user if the user does not yet exist on the FirstSpirit Server. You can identify the assignment of random passwords in the import log by means of the following notification:</p> <pre>01.01.2013 00:00:00.000 Warning: User 'xyz' has no password, a random password will be generated</pre>
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.
129492	Developer	None	Template Development	Within a script, the "is(BaseContext.Env env)" method of the BaseContext interface (Developer API, de.espirit.firstspirit.access.BaseContext) can be used to determine which environment (e.g., preview, WebClient) the script will be run in. When a script was called in conjunction with the FS_BUTTON input component, the environment was not properly determined in all instances.
129597	Developer	WebClient	Input Components	Modifications of the input component FS_BUTTON by means of the variable "properties" were partly not taken into account in WebClient.
129645	Editor	WebClient	None	Input components can be nested in FirstSpirit, for example in case of the input component FS_LIST. In case of some rare complex nestings this could lead to problems with using the InEdit function (for example in case of the image sections).
129669	Editor	WebClient	None	When using the InEdit functionality in WebClient in the past, a display problem could occur with the CMS_INPUT_DOM and CMS_INPUT_DOMTABLE input components within an entry of an FS_LIST input component.
129691	Editor	WebClient	None	The "Change" permission was erroneously required to start a workflow in WebClient.
129734	Editor	WebClient	Dom Editor	No space characters could be entered at the end of a paragraph in the input component CMS_INPUT_DOM in WebClient in some rare cases when using the browser Mozilla Firefox.
129769	FirstSpirit Administrator	JavaClient	Export / Import	In some very rare cases in the past, an error could occur when importing a page template.
129771	Developer	None	Template Development	List elements can be output within a template by means of the method "map(Lambda)" as a collection. Outputting a collection by using a separator (method "toString(String)" for lists) could lead to an error.
129789	Editor	JavaClient and WebClient	Dynamic Forms	The display of notifications of rule violations ("dynamic forms") in input components has been optimized. Now, all rule violations of a restriction level (for example "ON_SAVE") are always displayed.
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").
129794	Editor	WebClient	Input Components	Default values for cell properties (attribute propertyConfig) of the input component CMS_INPUT_DOMTABLE were not taken into account by mistake in WebClient.

ID	Role	Category	Sub Category	Description
129834	Developer	JavaClient	Preview	The compatibility mode is no longer used for the browser engine Internet Explorer in the integrated preview.
129847	Editor	WebClient	Input Components	In WebClient, a checkbox for groups without an ID parameter was erroneously displayed in the CMS_INPUT_PERMISSION input component.
129851	Editor	WebClient	Page Store	If editing was canceled in WebClient after a section was created, edit mode was erroneously not terminated for that page.
129862	Editor	JavaClient	Preview	The display of the integrated preview in JavaClient can be scaled up or down (zoom). The context menu was not opened for the selected element when using the browser engine Internet Explorer and scaling down the integrated preview (e.g. 70%).
129892	Developer	None	Modules	When using the geolocation sample implementation (sample implementation for FirstSpirit components in the FirstSpirit Online Documentation) this could lead to an error when taking over a location.
129893	Editor	WebClient	Input Components	In WebClient, the "Inherit permissions" option was unfortunately not fully taken into account in the CMS_INPUT_PERMISSION input component.
129938	Editor	JavaClient	Dynamic Forms	Rules ("dynamic forms") can be defined for input components. In case of the violation of a rule the concerned input component is colored in red and a notification will be displayed. Referential problems which are for example caused by deleting a referenced element, are treated as rule violation as well. Unfortunately, there were no colorization and notification in case of referential problems in the input component CMS_INPUT_COMBOX. An according rule violation can be caused for example if the data element CMS_INCLUDE_OPTIONS is used and a referenced data record is deleted.
129965	Editor	JavaClient	Input Components	Until now, when an item was dropped (drag & drop) in the CMS_INPUT_DOM input component, unfortunately scrolling of the display area was not supported.
130014	Editor	WebClient	Dom Editor	In some rare cases the button "Apply" was unfortunately not activated when creating a new link in the input component CMS_INPUT_DOM in WebClient when using the browser Microsoft Internet Explorer 8.
130020	Editor	WebClient	Input Components	In WebClient, if the Microsoft Internet Explorer 8 browser was used, it was not always possible to transfer a text fragment into a link in the CMS_INPUT_DOM input component.
130029	Editor	WebClient	None	When an image was dragged & dropped to an InEdit area in WebClient, unfortunately no border was displayed in the Google Chrome browser.
130064	Developer	Template	Templates	Unfortunately, overwriting of values in input components by means of the instruction "\$CMS_SET(...)\$" was not taken into account in generic link templates.
130089	Developer	None	None	The "setProperty(String name, Object value)" method of the "Project" interface (Access API, de.espirit.firstspirit.access.project.Project) can be used to define user-specific project properties. Until now, such user-specific project properties were always saved with a consecutive revision number. In future, just one revision of the user-specific project properties will be retained.
130150	Developer	Template	Templates	In a set of rules ("dynamic forms") it was unfortunately not possible to prevent an input component being edited (EDITABLE property) and to set a value at the same time (VALUE property).
130178	Developer	WebClient	Templates	The "PARAM" (parameter) tag can be used to transfer values for the FS_BUTTON input component to the script or module. In the past, problems could arise in WebClient if "button", "drop" or "preview" was used as the parameter name.
130236	FirstSpirit Administrator	Server and Project Configuration	Modules	After having updated a module, you can use the function "Update uses" for updating the web components of all projects which use this module. Web components had to be restarted manually after this operation so far.
130241	Editor	WebClient	Input Components	Links can be created in the CMS_INPUT_DOMTABLE input component. The CMS_INPUT_DOMTABLE input component can also be used within a link (known as nesting). In the past, nesting several CMS_INPUT_DOMTABLE input components using a link in this way could lead to problems in WebClient.
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.
130309	Editor	JavaClient	Input Components	Saving could lead to an error in the input component FS_LIST (types INLINE and DATABASE) in very rare cases if the layout component "stackedview", "simpleview" oer "singleview" were used.
130346	Editor	JavaClient	Package Pool	The display of several publication groups in Corporate Content (formerly PackagePool) was improved in the dialogs "Create package version" and "Edit publication groups".
130357	Editor	JavaClient	Input Components	When an HTML fragment was dragged & dropped from the integrated preview to a CMS_INPUT_TEXT or CMS_INPUT_TEXTAREA input component, the HTML markup elements were erroneously transferred too.
130360	Editor	WebClient	Workflow	The status of a page is shown in the menu bar in WebClient. Multiple pages can be based on data records (so-called content projection). The respective data record is itemized in the page status on such pages. The data record was by mistake no more shown in the page status after switching the workflow to the next state.
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.
130373	Developer	WebClient	Template Development	For the FS_BUTTON input component, parameters (PARAMS tag) which are available in the script can be defined in the form. Unfortunately, in the past the defined parameters could not be accessed in the script in WebClient.
130431	Editor	WebClient	None	In WebClient, when image cropping was used in the Microsoft Internet Explorer 8 browser, unfortunately the image was not displayed in full.
130445	Editor	WebClient	Dynamic Forms	Rules ("dynamic forms") can be used to filter the values of an input component which are available for selection by editing a different input component, for example. This special case of the VALUE property is called "setting dynamic values with the help of a database query". Unfortunately, a selected value was erroneously not taken into account for the filtering procedure in WebClient.
130530	FirstSpirit Administrator	Administration	Logfiles	Requests can be recorded optionally by means of the configuration file for the internal Jetty (fs-webapp.xml). The default directory for the log file has been adapted in the commented block.
130668	Developer	JavaClient and WebClient	Template Development	Workflows can be shown or hidden programmatically under specific conditions using the view logic. Using the method .getStoreElement() of the context (context) you can identify the element on which the workflow is to be started or switched to another state. If a workflow should be started on a data record or switched to another state a divergent element for the method .getStoreElement() was returned in JavaClient and WebClient. Now, a Content2 element will always be returned for both clients in this case.
130671	Developer	WebClient	Template Development	Unfortunately, rules ("dynamic forms") defined for a CMS_INPUT_RADIOBUTTON input component were not taken into account in WebClient.

ID	Role	Category	Sub Category	Description
130824	FirstSpirit Administrator	Administration	None	The properties of a group can be modified using the Group interface (de.espirit.firstspirit.access.project.Group, Access API). For example, a group can be changed into an administrator group (setAdmin(boolean admin) method). Modified properties for external groups were erroneously not taken into account.
130892	FirstSpirit Administrator	Administration	None	The encoding of the groups XML files have by mistake not been evaluated correctly within the permission service. "UTF-8" is now used as encoding for writing groups XML files. For further information please see introduction (sub item "Permission service: The encoding of the group XML files has been modified").
130904	Editor	JavaClient	None	Editing a data record simultaneously with more than one user could led to an error when saving the data record in the translation help. A dialog instead of this error is displayed now and the user can decide whether he wants to accept or discard the modifications.
131009	Editor	JavaClient	Input Components	Activating the editing mode could led to an error in the input component FS_LIST (type DATABASE) with layout component "simpleview" in JavaClient when using an Oracle (formerly: Sun) JDK version 6.
131137	All Users	None	None	Using the compression method Snappy could led to an error in very rare cases.
131188	Editor	JavaClient	Input Components	The PERSISTENCEINDEX tag can be used in the FS_LIST input component (DATABASE type) to save the order of the data records selected in FS_LIST if it is linked with a 1:N foreign key. In the past, problems could arise when sorting the entries according to the order which has been saved.
131268	Editor	WebClient	None	Checks if values have been entered into mandatory fields (parameter "allowEmpty") were carried out in case of language-dependent input components in data records by mistake only for the current language in WebClient.
131385	Editor	JavaClient	Version History	By mistake, only that user was shown in the version history of data records who has carried out the most recent release.
131429	FirstSpirit Administrator	None	Modules	With the aid of the "SAP Business Package for FirstSpirit" module, it is possible to integrate FirstSpirit navigation structures and content into the SAP Enterprise Portal (SAP EP). A remote project configuration for a different project can be saved in a project. Until now, the portal configuration of the local project was always taken into account for links to objects of a remote project. Now, the portal configuration of the remote project is always used for remote project links.
131475	FirstSpirit Administrator	None	Modules	An error occurred when using the "InstallPortalEntryPoint" portal script ("SAP Business Package for FirstSpirit" module) in the page store.
131772	All Users	WebClient	Search	The display of data records in the search in the report area in WebClient has been improved.
131870	Editor	JavaClient	None	The initial size of the thumbnails in the tabView area of JavaClient has been increased.
132168	Editor	WebClient	None	Using the instruction "editorId" you can make available an image cropping function to editors in WebClient. Unfortunately, this image cropping function was not shown in the sections of an FS_LIST input component (type INLINE) in all cases.
132182	Editor	JavaClient	Dynamic Forms	Rules ("dynamic forms") which are to prevent saving an empty value can be defined for the input component FS_DATASET (property EMPTY, restriction level ON_SAVE). Such a rule was not taken into account when saving after deleting a value in the input component FS_DATASET.
132196	Editor	WebClient	Input Components	Unfortunately, a link which was defined in the input component CMS_INPUT_LINK could not be deleted in WebClient.
132981	FirstSpirit Administrator	None	Generation	Different variations can be selected for the creation of paths in a generation schedule. Two of these variations are "Infix URLs" and "Multiview URLs". If one of these variations was selected for a project in FirstSpirit version 4.2, this was completely taken into account in FirstSpirit version 5.0 not until the variation was selected anew within the generation schedule.
133012	All Users	JavaClient	None	The dialog box appearing after deleting a folder with child elements in JavaClient has been adjusted to the dialog box for deleting several elements.