

Previously released versions: 5.1.106, 5.1.209

SiteArchitect: Drag-and-drop support for CMS_INPUT_IMAGEMAP

The CMS_INPUT_IMAGEMAP input component ("imagemap") can be used to embed links at various locations in a selected background image.

With FirstSpirit version 5.1R3, drag-and-drop can now also be used to select the background image from the project, for example from:

- the Media Store (tree structure and workspace tab)
- results from the global search
- the clipboard (Organize area)
- the FS_REFERENCE input component
- an additional CMS_INPUT_IMAGEMAP input component (the CMS_INPUT_IMAGEMAP input component from which the image is to be selected must be in view mode)
- the integrated preview

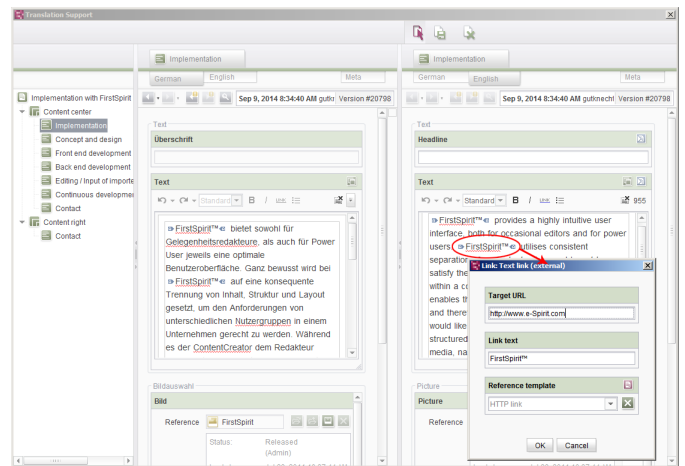
It is also possible to drag-and-drop images between a CMS_INPUT_IMAGEMAP input component (source) and an FS_REFERENCE input component (target). To do this, the CMS_INPUT_IMAGEMAP input component from which the image is to be selected must also be in view mode.

Translation help for subforms

Subforms (e.g., links in CMS_INPUT_DOM or CMS_INPUT_DOMTABLE, or entries from FS_LIST, *INLINE* and *DATABASE* types) of language-dependent input components (*useLanguages="yes"*) are now opened in a dialog in SiteArchitect in the translation help (and in the version comparison). This dialog is also used in sections, pages, etc. to enter values (form, see figure).

As a result, for FS_LIST, *INLINE* type, changes are saved using the "Close" button. Clicking the "X" icon in the top right-hand corner of the dialog closes the dialog without saving the changes that have been made.

For language-independent input components (*useLanguages="no"*), subforms continue to be displayed in a comparison view. Changes are saved or discarded by clicking the "X" icon in the top right-hand corner. The following dialog can then be used to save or discard the changes.



Subform of a DOM editor

CMS_INPUT_DOM: Outputting HTML-compliant lists and tables

According to the W3C HTML specification, <p> elements must not contain any additional block elements (lists, tables). The *normalize* method can now be used to configure the output of the CMS_INPUT_DOM input component so that lists and tables are not enclosed by tags that originate from underlying format templates (e.g., <p> tags from the "Standard" format template).

Example:

```
$CMS_VALUE(pt_dom.normalize)$
```

pt_dom is the identifier for a CMS_INPUT_DOM input component.

For more information, also refer to the FirstSpirit online documentation under "Template development / Template syntax / Data types / DomElement".

"Editorial search and replace" example implementation

The FirstSpirit online documentation now contains an example implementation for a report that is available in both SiteArchitect and ContentCreator. This report can be used to implement a project-wide search and replace function.

For more information, refer to the FirstSpirit online documentation, section "Plug-In Development / Examples / Module: Editorial Search and Replace". An example module is also available there for you to download.

The "Search and replace" function is a sample implementation and not a product function

Deactivating the Template Inspector

The source text of a presentation channel can contain XML control characters (""). If the "Template Inspection" functionality (SiteArchitect, integrated preview, "Template Inspection" context menu entry) is being used, control information is added to the tags. Depending on the (web-programming) language used, these characters may have to be quoted. However, as not all languages are able to or should be expanded, the "Template Inspection" functionality can be deactivated from FirstSpirit version 5.1R3 on a case-by-case basis as follows:

- for a presentation channel in the project using the new "Template Inspection" option in "ServerManager / Project properties / Template sets"
- temporarily in the output (in the template itself) by calling

```
$CMS_SET(#global.htmlMode, false)$
```

The Template Inspector is deactivated from this point. It can be reactivated by calling

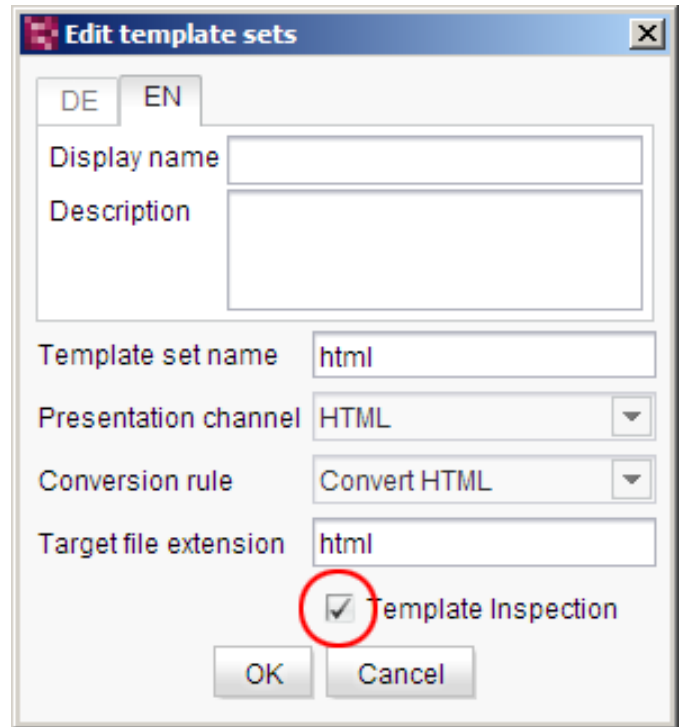
```
$CMS_SET(#global.htmlMode, true)$
```

If template sets already exist, the "Template Inspection" option is activated by default if the target file extension is "html", "htm", or "xhtml".

For more information, also see FirstSpirit Access API,

- *GenerationContext* interface (*de.espirit.firstspirit.access* package)
- *TemplateSet* interface (*de.espirit.firstspirit.access.project* package)

For information on the "Template Inspection" functionality, also see the FirstSpirit online documentation, "Template development / Debugging / Where is the error? / Template Inspector".



External synchronization: New export format

FirstSpirit versions are usually forward and backward compatible provided that only the minor or build version number has changed. In rare instances, however, incompatible changes have to be made that prevent users from going back to an older version once a new version has been installed ("downgrade").

In the case of the "External synchronization" functionality, the export version in FirstSpirit version 5.1R3 was rendered incompatible in order to prevent potential ID conflicts between several projects.

Exports that were created with FirstSpirit versions prior to 5.1R3 (i.e., 5.1R2, 5.1R1), must therefore be recreated in FirstSpirit version 5.1R3, as otherwise this can lead to an *IllegalStateException* when they are imported into FirstSpirit version 5.1R3.

Launch problems with Mac OS

The aim of the "Gatekeeper" security function on Apple Macintosh systems is to prevent malicious or suspicious programs that have been downloaded from the Internet from being run.

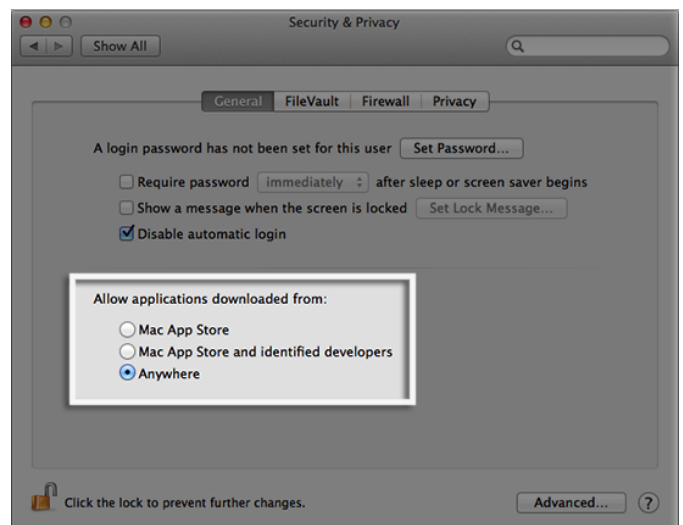
With 10.9.5, the Gatekeeper settings were reset to the "Mac App Store" default value. When the FirstSpirit SiteArchitect or ServerManager is launched, the following message may be displayed:

"FIRSTspirit.jnlp" can't be opened because it is from an unidentified developer.

To enable SiteArchitect and ServerManager to be restarted, the settings must be reset to "Anywhere" under

"Apple menu / System Preferences / Security & Privacy / General / Allow applications downloaded from" (see figure).

All FirstSpirit versions 4.x and 5.x are affected by this problem.



Database configuration for Oracle 11: Modification of the default value for the transaction isolation

Transactions running simultaneously that make changes to data in the database which is used with FirstSpirit could result in undefined states. Transaction isolation should be configured to prevent a running transaction from being changed to an undefined state by another transaction running at the same time (due to a change in the data used). Different isolation levels can be configured using the `<database>.jdbc.isolation` parameter. The following are generally supported:

- **READ_COMMITTED**: lowest isolation level
- **REPEATABLE_READ**: medium isolation level
- **SERIALIZABLE**: highest isolation level (default value)

With FirstSpirit version 5.1R3 the default value for the transaction isolation was changed for Oracle 11 databases to **READ_COMMITTED** to prevent error messages like "ORA-08177: can't serialize access for this transaction".

For further information on the configuration of databases please refer to *FirstSpirit Manual for Administrators, Chapter "Database connection"*.

Enhancement to the FirstSpirit API

Accessing the preview page in ContentCreator

Using the new `getWindow()` method (FirstSpirit Developer API, `de.espirit.firstspirit.webedit.client.api` package, *Preview* interface), it is now possible to access the ContentCreator preview page.

Passing parameters for reports

Reports are shown using the `show()` method of the `WE_API.Report` JavaScript object (description in the FirstSpirit Developer API documentation, `de.espirit.firstspirit.webedit.client.api` package), which is available in ContentCreator. Parameters, for example for configuring the filters of a report, can also be passed at the same time. The passing of parameters has been optimized.

See also

- FirstSpirit online documentation, "Template development / ContentCreator / JavaScript API / Reports" and
- FirstSpirit Developer API, `de.espirit.firstspirit.webedit.client.api` package, *Report* interface (description of the `WE_API.Report` JavaScript object)

"FeatureError" class

The `FeatureError` class ("ContentTransport" functionality, `de.espirit.firstspirit.store.access.feature` package) is now part of the FirstSpirit Developer API.

New functionalities

ID	Role	Category	Sub Category	Description
159504	All Users	SiteArchitect (JavaClient)	None	The personalized Homepage has been optimized.
151053	Developer	ContentCreator (WebClient)	Plug-In Development	The <code>show()</code> method for the <i>Report</i> interface (Developer API, <code>de.espirit.firstspirit.webedit.client.api</code> package) has been improved. Further information can be found in the introduction (subpoint "Passing parameters for reports").
155668	Developer	ContentCreator (WebClient)	Plug-In Development	Using the new <code>getWindow()</code> method for the <i>Preview</i> interface (Developer API, <code>de.espirit.firstspirit.webedit.client.api</code> package), it is possible to access the current preview window. Further information can be found in the introduction (subpoint "Accessing the preview page in ContentCreator").
140477	Developer	None	Plug-In Development	The "Editorial search and replace" example implementation has been added to the FirstSpirit online documentation. Further information can be found in the introduction (subpoint "Editorial search and replace" example implementation").
154163	Developer	Template	Dom Editor	Using the new <code>normalize</code> method, it is now possible to output tables and lists of a DOM editor so that they are HTML-compliant. Further information can be found in the introduction (subpoint "CMS_INPUT_DOM: Outputting HTML-compliant lists and tables").

Bug-fixes

ID	Role	Category	Sub Category	Description
159283	All Users	ContentCreator (WebClient)	Dynamic Forms	Now the user sees a message if there are any validation problems ("Dynamic forms") during release.
160805	All Users	ContentCreator (WebClient)	Dynamic Forms	In a section form, the "Section will be output in this language" option can be used to control the output. When this option was deactivated, defined rules continued to be evaluated erroneously ("Dynamic forms").
157574	All Users	ContentCreator (WebClient)	Help	Errors occurred when displaying the ContentCreator help if certain application servers were used.
154029	All Users	ContentCreator (WebClient)	Input Components	Improved consideration of empty paragraphs in rich-text editor (CMS_INPUT_DOM) for Microsoft Internet Explorer.
156320	All Users	ContentCreator (WebClient)	Input Components	The breadcrumb navigation display has been optimized in the edit dialog for entering nested FS_LIST input components.
156410	All Users	ContentCreator (WebClient)	Input Components	The rich-text editor for tables (CMS_INPUT_DOMTABLE) supports merging cells in such tables. Adding a new row could lead to erroneous behavior in Microsoft Internet Explorer.
158579	All Users	ContentCreator (WebClient)	Input Components	A dataset consisting of several data sources can be selected in the FS_DATASET input component. Malfunctions occurred if the user did not have the "Read" permission for one of these data sources.

ID	Role	Category	Sub Category	Description
161296	All Users	ContentCreator (WebClient)	Input Components	Evaluation of the <i>maxLength</i> parameter has been improved for multi-line text entry (CMS_INPUT_TEXTAREA).
161640	All Users	ContentCreator (WebClient)	Input Components	Improved list rendering in rich-text editor (CMS_INPUT_DOM) when adding a new list element.
154282	All Users	ContentCreator (WebClient)	Media Store	User prompting for creating a new folder when uploading media has been improved.
153645	All Users	ContentCreator (WebClient)	Multi Perspective Preview	When the perspective selection area was opened for the first time ("Multi Perspective Preview" functionality), the actions in the navigation area were activated erroneously.
159179	All Users	ContentCreator (WebClient)	None	Drag-and-drop support now also works again in FirstSpirit reports of type "WebeditReportPlugin" which were created prior to FirstSpirit version 5.1.
154207	All Users	ContentCreator (WebClient)	Preview	Display of the highlighting frames has been improved.
158674	All Users	ContentCreator (WebClient)	Site Store	The "Change" permission is now sufficient again for changing the name of a menu level.
155831	All Users	None	Site Store	In very rare instances in release projects and following a release, the menu order in the Site Store did not always match the display in SiteArchitect and / or ContentCreator during generation (navigation function).
154180	All Users	ServerManager (Server and Project Configuration)	None	Management of the AccessControlDb files has been optimized.
156756	All Users	SiteArchitect (JavaClient)	All Stores	Display of special characters in display names has been improved.
157750	All Users	SiteArchitect (JavaClient)	All Stores	Display of special characters in display names has been improved.
157759	All Users	SiteArchitect (JavaClient)	All Stores	The change state display has been optimized for newly created objects.
154298	All Users	SiteArchitect (JavaClient)	Content Store	Improved display of content of deprecated input components (e.g., CMS_INPUT_OBJECTCHOSER, CMS_INPUT_CONTENTAREALIST) in data source overviews.
156982	All Users	SiteArchitect (JavaClient)	Content Store	Updating of the brief overview has been optimized in data sources when the preferred display language is changed.
158588	All Users	SiteArchitect (JavaClient)	Content Store	Datasets from an external database can be selected in the FS_DATASET input component, for example. These kinds of datasets were erroneously not taken into account in the relation graph of dependent objects.
158720	All Users	SiteArchitect (JavaClient)	Content Store	It is only possible to start a workflow for newly created datasets if they have already been saved.
160530	All Users	SiteArchitect (JavaClient)	Content Store	Improvement to the view update in the Data Store for external database changes.
162718	All Users	SiteArchitect (JavaClient)	Content Store	Improved refresh of the brief data source overview in dataset detail views when new datasets are created in multi-user scenarios.
163083	All Users	SiteArchitect (JavaClient)	Content Store	Improved loading time of database contents.
151254	All Users	SiteArchitect (JavaClient)	ContentTransport	In rare cases, use of "ContentTransport" functionality could lead to erroneous behavior when adding datasets of a filtered data source to a feature.
156316	All Users	SiteArchitect (JavaClient)	ContentTransport	When adding an element to a feature ("Content Transport" functionality), errors occurred if this element wasn't created until after the feature had been generated. Now the user sees a message when this occurs.
160611	All Users	SiteArchitect (JavaClient)	ContentTransport	In rare instances, malfunctions occurred when viewing a dataset in a feature of the "ContentTransport" functionality.
157284	All Users	SiteArchitect (JavaClient)	Corporate Content	The entries in the "Corporate Content" menu were inactive by mistake if an element had not been selected in the project.
160730	All Users	SiteArchitect (JavaClient)	Corporate Content	Conflict handling for the "CorporateContent" functionality has been improved.
162536	All Users	SiteArchitect (JavaClient)	Corporate Content	Corporate Content: improved client-server communication for actions on subscribed objects in the target project.
154379	All Users	SiteArchitect (JavaClient)	Dynamic Forms	External logic (via a service) can be included for the "Dynamic forms" functionality. Interoperability has been improved with additional rule definitions.
156209	All Users	SiteArchitect (JavaClient)	Dynamic Forms	In very rare instances, the defined rules ("Dynamic forms" functionality) were erroneously not taken into account in a data source.
157586	All Users	SiteArchitect (JavaClient)	Dynamic Forms	In the FS_LIST (<i>INLINE</i> type) input component, rule violations ("Dynamic forms" functionality) erroneously continued to be displayed once editing had been canceled.
157980	All Users	SiteArchitect (JavaClient)	Dynamic Forms	When hiding components using rules ("Dynamic forms"), malfunctions occurred when the language was changed.
157299	All Users	SiteArchitect (JavaClient)	External synchronization	When using the "Auto sync" option in the "External synchronization" functionality, malfunctions occurred when deleting elements.
158064	All Users	SiteArchitect (JavaClient)	External synchronization	The export format has been changed for the "External synchronization" functionality. All exports must be recreated, as otherwise an error will occur. Further information can be found in the introduction (subpoint "External synchronization: New export format").
159230	All Users	SiteArchitect (JavaClient)	External synchronization	In very rare instances, malfunctions occurred when moving elements to a folder.
159654	All Users	SiteArchitect (JavaClient)	External synchronization	In rare cases, creating a new folder while selecting a folder for external synchronization could lead to erroneous behavior.
159963	All Users	SiteArchitect (JavaClient)	External synchronization	The external changes are now always applied during initial synchronization for the "External synchronization" functionality. If this is not required, changes should be rolled back in the project and the current state transferred to the file system.
158686	All Users	SiteArchitect (JavaClient)	FirstSpirit Debugger	Display problems occurred in the FirstSpirit Debugger when switching between the "Display" and "Browser" tabs.
144226	All Users	SiteArchitect (JavaClient)	Generation	For Delta generation, not all the pages of a multi-page were always taken into account following a change to and subsequent release of a dataset (known as "content projection").
162316	All Users	SiteArchitect (JavaClient)	Global Settings	Optimized restoration of deleted sections in global content.

ID	Role	Category	Sub Category	Description
135720	All Users	SiteArchitect (JavaClient)	Help	The search function in the FirstSpirit online documentation has been optimized.
155712	All Users	SiteArchitect (JavaClient)	Input Components	In the FS_LIST input component, a separate tool bar can be displayed in the detail view using the <i>toolbar-assembly</i> parameter. Malfunctions occurred when executing the actions in the tool bar.
155783	All Users	SiteArchitect (JavaClient)	Input Components	Clicking the FS_BUTTON input component is now displayed correctly.
156245	All Users	SiteArchitect (JavaClient)	Input Components	Drag-and-drop support has been improved in the CMS_INPUT_IMAGEMAP input component. Further information can be found in the introduction (subpoint "SiteArchitect: Drag-and-drop support for CMS_INPUT_IMAGEMAP").
158292	All Users	SiteArchitect (JavaClient)	Input Components	Errors occurred in the FS_DATASET input component when saving a new dataset without entering content.
158860	All Users	SiteArchitect (JavaClient)	Input Components	The ability to detect changes has been optimized in subforms in the FS_LIST input component.
159357	All Users	SiteArchitect (JavaClient)	Input Components	In the CMS_INPUT_IMAGEMAP input component, the transfer of values for links has been optimized in the translation help.
159896	All Users	SiteArchitect (JavaClient)	Input Components	In very rare instances, the "New" and "Edit" buttons were not deactivated for the FS_DATASET and FS_LIST (DATABASE type) input components when the database schema was configured as read-only.
160473	All Users	SiteArchitect (JavaClient)	Input Components	Improved creation of link-sensitive frame objects in the input component CMS_INPUT_IMAGEMAP.
160651	All Users	SiteArchitect (JavaClient)	Input Components	The <i>editable</i> parameter in the CMS_INPUT_TEXT and CMS_INPUT_NUMBER input components was not always taken into account in the translation help.
161912	All Users	SiteArchitect (JavaClient)	Input Components	In very rare instances, the entries for the FS_LIST (DATABASE type) input component were not updated when editing mode was activated.
158996	All Users	SiteArchitect (JavaClient)	Media Store	The correct preview icon is now displayed for files with the file extensions "dotx" (Microsoft PowerPoint templates) and "xltx" (Microsoft Excel templates).
161246	All Users	SiteArchitect (JavaClient)	Media Store	Editing images using the "Pixlr" service has been improved.
162789	All Users	SiteArchitect (JavaClient)	Media Store	During upload of a media file via drag and drop from the file system, the Media element's display name is generated from the file name. This process now considers space characters as well.
150292	All Users	SiteArchitect (JavaClient)	None	An improved procedure for applying content in complex language-dependent input components has been implemented in the translation help. Further information can be found in the introduction (subpoint "Translation help for subforms").
153306	All Users	SiteArchitect (JavaClient)	None	Improved refresh behavior within stores.
157644	All Users	SiteArchitect (JavaClient)	None	In rare instances, it was not possible to close SiteArchitect.
158565	All Users	SiteArchitect (JavaClient)	None	If a project contained a very large number of groups and users, this sometimes resulted in a high level of resource utilization (long waiting times, high memory consumption). This behavior has been optimized.
158920	All Users	SiteArchitect (JavaClient)	None	The loading behavior has been improved for certain operations.
158982	All Users	SiteArchitect (JavaClient)	None	Memory utilization has been optimized in FirstSpirit.
160892	All Users	SiteArchitect (JavaClient)	None	For a section or section reference, the "Include this section in the output" option can be used to control the output. This setting can only be edited in editing mode. Additionally, no correction notes are displayed for section references ("Dynamic forms" functionality).
158222	All Users	SiteArchitect (JavaClient)	Page Store	The display of the master copies has been improved in the dialog for creating a new page.
161299	All Users	SiteArchitect (JavaClient)	Page Store	When entering content in several languages, in rare instances, data was not taken into account when it was saved.
156115	All Users	SiteArchitect (JavaClient)	Preview	Performance when structuring the preview of complex content that is based on a large number datasets has been improved.
158783	All Users	SiteArchitect (JavaClient)	Preview	Following a modification to the dataset, the current state of the dataset is now also displayed within the integrated preview.
161023	All Users	SiteArchitect (JavaClient)	Preview	Improvement to external preview update when the integrated preview is activated.
161742	All Users	SiteArchitect (JavaClient)	Preview	Improved performance of preview generation.
159084	All Users	SiteArchitect (JavaClient)	Projects	The interface language was not always retained when switching projects.
160288	All Users	SiteArchitect (JavaClient)	Remote Projects	With the FS_REFERENCE input component, malfunctions occurred when several remote configurations were defined for one project.
156717	All Users	SiteArchitect (JavaClient)	Report	Highlighting of report entries has been optimized in the Organize area.
159904	All Users	SiteArchitect (JavaClient)	Scripting	The ability to detect changes when editing scripts has been improved.
147022	All Users	SiteArchitect (JavaClient)	Search	Improvement to the global search function when entering special characters.
157837	All Users	SiteArchitect (JavaClient)	Search	In rare instances, errors occurred in the global search function when displaying the search results.
89658	All Users	SiteArchitect (JavaClient)	Site Store	The display name of the corresponding page is now set automatically in the dialog when creating a page reference using the "New / Create page reference" context menu.
153218	All Users	SiteArchitect (JavaClient)	Site Store	Optimized identification of changes when editing a menu level.
158347	All Users	SiteArchitect (JavaClient)	Site Store	Inheritance of variable values has been optimized in page references.
162150	All Users	SiteArchitect (JavaClient)	Site Store	When using "ContentTransport" functionality, metadata of page references were mistakenly not considered.
157565	All Users	SiteArchitect (JavaClient)	Template Store	Using the <Ctrl>+<V> key combination to insert entries for the form from the clipboard has been improved in page templates.
158111	All Users	SiteArchitect (JavaClient)	Template Store	The preview image was not always taken into account in table format templates.
160163	All Users	SiteArchitect (JavaClient)	Template Store	With regard to snippet definition in templates, the behavior when selecting several snippets in succession has been improved.
161184	All Users	SiteArchitect (JavaClient)	Template Store	The ability to detect changes in table templates has been improved.

ID	Role	Category	Sub Category	Description
156418	All Users	SiteArchitect (JavaClient)	Workflow	Workflows may be started or advanced on various objects. If a user does not have permission to start or advance any workflow, the user will now see the hint "not available" when clicking on the element status link in the status bar.
157345	All Users	SiteArchitect (JavaClient)	Workflow	The edit dialog for properties of a transition in the state diagram of workflows (Template Store) has been optimized.
159715	All Users	SiteArchitect (JavaClient)	Workflow	E-mail recipients who should receive a notification can be configured in a workflow in the Properties dialog of a transition. The selection has been expanded to include groups.
160298	All Users	SiteArchitect (JavaClient) and ContentCreator (WebClient)	Dynamic Forms	Optimized execution of rules which make use of services for external rules logic.
160456	All Users	SiteArchitect (JavaClient) and ContentCreator (WebClient)	Preview	The calculation of a new preview following changes has been optimized.
161618	All Users	WWW Homepage	None	Security improvements related to Java Web Start.
137093	Developer	None	Scripting	The <i>FeatureError</i> class has been added to the FirstSpirit Developer API. Further information can be found in the introduction (subpoint "Enhancements to the FirstSpirit API / 'FeatureError' class").
161213	Developer	None	Tasks	Unfortunately, modification to the execution result in a schedule script (<i>setStateToFailed()</i> method, <i>ScheduleContext</i> interface, <i>de.espirit.firstspirit.access.schedule</i> package) was erroneously not taken into account.
154344	Developer	None	Workflow	The maximum number of automatic activities that can be executed in succession has been increased to 16.
154982	Developer	SiteArchitect (JavaClient)	External synchronization	The order of the content areas was not always taken into account in the page template for the "External synchronization" functionality.
157311	Developer	SiteArchitect (JavaClient)	External synchronization	For the "External synchronization" functionality, errors occurred when using the "Auto sync" option if structural changes were made in the source.
161162	Developer	SiteArchitect (JavaClient)	Scripting	The ability to detect changes when editing scripts has been improved.
155055	Developer	SiteArchitect (JavaClient)	Site Store	In a page reference, output of datasets may be limited using a pre-defined query. In rare cases, changes of parameter values were not considered.
154619	Developer	SiteArchitect (JavaClient)	Template Development	The Template Inspector can now be deactivated by default for a presentation channel. There is now also the option to deactivate the Template Inspector temporarily in a template. Further information can be found in the introduction (subpoint "Deactivating the Template Inspector").
159012	Developer	SiteArchitect (JavaClient)	Template Development	The "#for" system object is available within a \$CMS_FOR(...) instruction. The "CONTINUE" call has been improved here. See also FirstSpirit online documentation, "Template development / Template syntax / System objects / #for".
159026	Developer	SiteArchitect (JavaClient)	Template Development	The ability to maintain preview images using drag-and-drop in the templates has been improved.
159478	Developer	SiteArchitect (JavaClient)	Template Development	Autocompletion (in forms) for the CMS_COMMENT, CMS_GROUP, and CMS_LABEL design elements has been improved.
160561	Developer	SiteArchitect (JavaClient)	Template Development	The preview for the link template snippet definition is now hidden.
151533	Developer	SiteArchitect (JavaClient)	Template Store	Improved performance when repeatedly saving a table template.
159215	Developer	SiteArchitect (JavaClient)	Template Store	The dialog for creating the foreign key relationships has been optimized in the database schema.
159684	Developer	SiteArchitect (JavaClient)	Template Store	Improved management of preview images for templates.
163666	Developer	SiteArchitect (JavaClient)	Template Store	Optimized table creation in database schemata (Templates store).
152242	Developer	SiteArchitect (JavaClient)	Workflow	When printing the state diagram of a workflow (Template Store), the current reference name is now always taken into account.
157081	Developer	SiteArchitect (JavaClient) and ContentCreator (WebClient)	Help	Searching in the FirstSpirit online documentation now also delivers results from the API again.
152476	Developer	SiteArchitect (JavaClient) and ContentCreator (WebClient)	Scripting	Checking of mandatory field violations (e.g., for the <i>allowEmpty</i> parameter) has been improved in script-controlled dialogs.
158096	Editor	ContentCreator (WebClient)	Input Components	Evaluation of rights when selecting datasets (FS_DATASET) and references (FS_REFERENCE) has been optimized.
151350	FirstSpirit Administrator	Administration	FirstSpirit Installation	During installation of the FirstSpirit Server, configuration files were generated later on when the server was started for the first time.
148617	FirstSpirit Administrator	Administration	None	In schedules where e-mail is sent, line breaks are now taken into account in default text.
157939	FirstSpirit Administrator	Administration	Tasks	Execution of the "Rebuild search index" and "Repair references" system schedule entries has been improved.
160053	FirstSpirit Administrator	ContentCreator (WebClient)	None	Improvement in compatibility when using ContentCreator in certain application servers.
160609	FirstSpirit Administrator	None	Logfiles	When the FirstSpirit Server was started, a warning was logged erroneously when the "SOCKET_HOST" parameter was used in the "fs-server.conf" server configuration file.
157519	FirstSpirit Administrator	ServerManager (Server and Project Configuration)	Scripting	The key combination <Ctrl>+<X> (for cutting text) was not taken into account in the script editor of a schedule.
158308	FirstSpirit Administrator	ServerManager (Server and Project Configuration)	Tasks	In rare cases, delta generation tasks were not completed.
156476	FirstSpirit Administrator	SiteArchitect (JavaClient)	ContentTransport	The start node is now also set correctly for the "Content Transport" functionality in the case of an update.
156973	FirstSpirit Administrator	SiteArchitect (JavaClient)	Corporate Content	The number of languages in source and target projects can vary when the "Corporate Content" functionality is used. If a section is rolled out in a target project and it has more languages than the source project, the state of the "Include this section in the output" option is now retained for the languages that are only available in the target project.

ID	Role	Category	Sub Category	Description
152846	FirstSpirit Administrator	SiteArchitect (JavaClient)	External synchronization	The procedure for deleted files has been optimized in the "External synchronization" functionality.
157858	None	SiteArchitect (JavaClient)	Preview	Improved support of Microsoft Internet Explorer in integrated preview.
136211	Server Administrator	ServerManager (Server and Project Configuration)	Database Configuration	For Oracle 11 databases, the default level of transaction isolation was changed to READ_COMMITTED. Further information can be found in the introduction (subpoint "Database configuration: Modification of the default value for the transaction isolation").
161506	Server Administrator	ServerMonitoring	Security	Security improvements with regard to "ServerMonitoring".