FirstSpirit™

Unlock Your Content

FirstSpirit™ Release Notes
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e-Spirit

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1   Administration

1.1   Media: Assigning File Extensions to MIME Types

The FirstSpirit Media Store is designed to manage files of different formats within a project. They can be uploaded to FirstSpirit via SiteArchitect and ContentCreator.

Most file formats are already known by FirstSpirit and they are filed in the Media Store with the appropriate MIME type when uploaded. It is possible to search for MIME types in SiteArchitect, for example, and access them in templates and via API. For special file types which are not known in FirstSpirit, mapping can now be carried out on the desired MIME types, namely via a new parameter in the **fs-server.conf** configuration file:

```
mime.types.additional
```

Using this parameter, the desired MIME type and the file extension can be specified, separated with a colon. Several mappings can be specified, separated with semicolons.
Example:

```
mime.types.additional=application/zip:fsr;text/plain:conf
```

If this parameter is edited via ServerMonitoring, changes are factored in immediately; the server does not need to be restarted.

In this context, the detection of file extensions when uploading files to FirstSpirit has also been improved.

2   General

2.1   Databases: Support for Microsoft SQL Server 2016 and data type "ntext"

FirstSpirit has been designed as an enterprise content management system for application in complex IT landscapes, and supports various operating systems, Java runtime environments, and databases.

As of the current FirstSpirit version, **Microsoft SQL Server**, version **2016**, is now officially supported for use with FirstSpirit as a database server running on Windows servers.

This means that reference versions of Microsoft SQL Server are versions 2014 and 2016. Versions 2008 and 2012 are passively supported. Support for Microsoft SQL Server 2005 has ended.

For further information, see *FirstSpirit Technical Datasheet*.

Because the data type `ntext`, which is used by Microsoft SQL Server, has been marked "deprecated" by the manufacturer (see https://docs.microsoft.com/en-us/sql/t-sql/data-types/nchar-and-nvarchar-transact-sql), the column type for XML data in FirstSpirit (column type "FirstSpirit-Editor", "SiteArchitect / Database schemata / Database schema / Create column / Data type") was changed from using `ntext` to using `nvarchar(max)`. This complies with Microsoft's recommendation. This means that contents of the column type "FirstSpirit-Editor" will now be mapped to `nvarchar(max)` and no longer to `ntext`. Existing columns which use the type `ntext` are not affected by this change: in existing projects, these will continue to be mapped to `ntext`.

3   Module Development, Scripts, API

3.1   Getting the host name per API (interface "ServerInformationAgent")

The interface `ServerInformationAgent` (package `de.espirit.firstspirit.agency`) provides information on the FirstSpirit server.

With the new FirstSpirit version the method `getServerName()` was added to the interface. This method returns the FirstSpirit server's name. The return value is the symbolic hostname (parameter `SYMBOLIC_HOSTNAME` in `fs-server.conf`). If this parameter is not set the hostname is returned.

4   Modules: Corporate Media
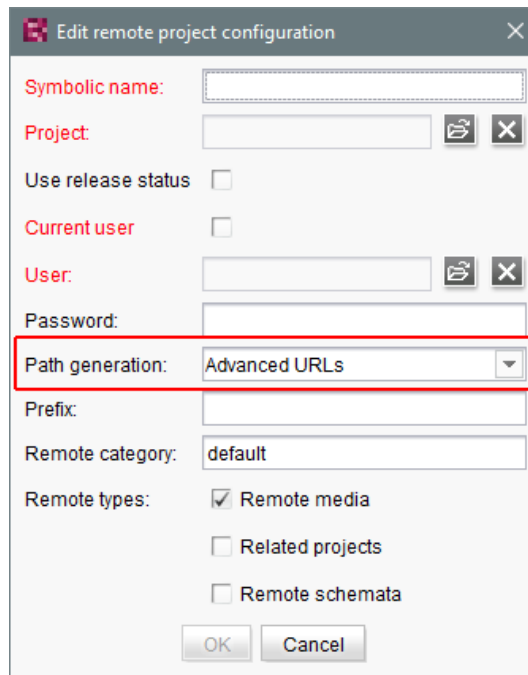
4.1   Specifying URL creation method for remote projects

FirstSpirit enables access from one project (called "target", "master", or "local project") to other projects (called "remote projects") which are present on the same FirstSpirit server. This allows objects (e.g. media) which are managed in a centralized project to be used in various projects. In the target projects, such objects are only referenced and remain stored in the remote project.

Previously, if some other method of path generation ("URL creator") than "Default URLs" should be used for the remote project, this had to be carried out via a script or a module. If a URL creator was not explicitly set for a remote project via script or module, the URL creator "Default URLs" was used implicitly.

As of the current FirstSpirit version, it is now possible to specify the desired URL creator for a remote project in the remote configuration settings of the master project in ServerManager, using the option "Path generation" ("ServerManager / Project properties / Remote projects / Add" or "Edit"):

This option's combo box includes a list of all available URL creators. If the selected entry is "Advanced URLs", references from the master project to this remote project will be generated using this URL creation method.

By default, the method "Default URLs" will be used. If a different URL creator was already selected for a remote project prior to an update to the current FirstSpirit version, this selection will be preserved and accordingly displayed in the combo box.

Within the scope of this feature, the validation behavior of this dialog was also optimized: if not all mandatory fields contain values, the button "OK" is inactive, preventing saving the configuration. Missing values will be indicated by red type. The display "Not available" indicates that the selected URL creator

is not available on the server, and the name of the missing URL creator is displayed as well; this may occur if the module providing this URL creator has been uninstalled.

The selected URL creator will also be displayed in the overview "Remote projects" (project properties):
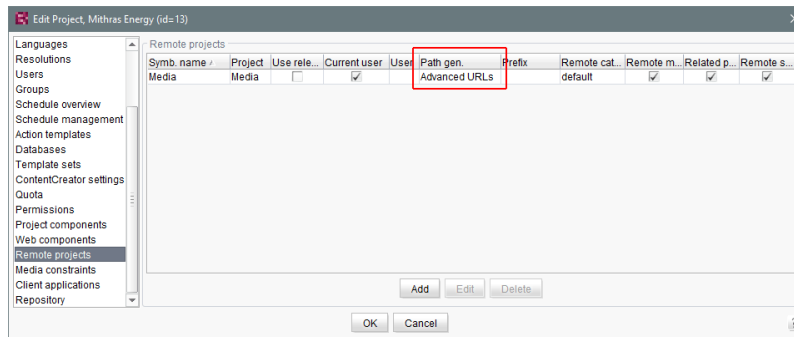
For further information, see

- *FirstSpirit Manual for Administrators*,
  - chapter "Remote projects"

  - chapter "Execute generation"

- *FirstSpirit Online Documentation*,
  - "Advanced topics / Remote access"

  - "Advanced topics / Generation"

- Module documentation for "FirstSpirit CorporateMedia"

5   SiteArchitect / ServerManager

5.1   Configurable directory for log messages

Log messages of ServerManager and SiteArchitect will be stored separately for each started client. The storage location of the log messages on the user's client workstation is now configurable. The directory can be configured using the parameter **CLIENT_HOME_DIR** or one of the operating-system specific parameters (e. g. **CLIENT_HOME_DIR_WINDOWS**) in the file **fs-server.conf** or via the connection settings.

Order of evaluation:

- First, the operating-system specific path details are evaluated, which are set in the connection settings (e.g. `CLIENT_HOME_DIR_WINDOWS`).

- Then the path information set in the connection settings using the parameter `CLIENT_HOME_DIR` are evaluated.

- Then the operating system-specific path details defined in `fs-server.conf` are evaluated (e.g. `CLIENT_HOME_DIR_WINDOWS`).

- Then the path information set in the `fs-server.conf` file using the parameter `CLIENT_HOME_DIR` are evaluated.

- If the parameter is neither set in the connection settings nor in `fs-server.conf`, the operating system-specific user home directory is used by default.

The information, which can be set server-wide for all users using `fs-server.conf,` can therefore be overwritten on a user-specific basis.

If a directory is given to which the respective user does not have any access permissions, a corresponding exception is logged.

For more information please see also *FirstSpirit Manual for Administrators*, Chapter "Roll-out process (workstation computer)".

6   SiteArchitect

6.1   Logging the Integrated Preview (Browser Engines)

Logging supports FirstSpirit developers and administrators when it comes to identifying and rectifying errors. Logging takes place at different points in FirstSpirit, e.g., log messages relating to actions on the server are retained in the `fs-server.log` file, log messages relating to schedules in the `fs-schedule.*.log` file, etc.

With the current FirstSpirit version, log messages for the browser engine used for the integrated preview are now also retained, namely in the SiteArchitect log files `.firstspirit*/logs/`

`SiteArchitect*.log`. This can be opened via the "Show log file in File Manager" entry in the "Help" menu in the local file directory or displayed in a separate window via the "View log" menu item.

Logging depends on the log level set in the relevant client. This can be adjusted via the `-DlogLevel` (e.g., `-DlogLevel=DEBUG`) parameter in the connection settings ("Start page / Connection settings / Optional parameters") or the "Extended logging" entry in the "Extras" menu. The default log level is `INFO`.

6.2 Workflows / Task list: Aborting workflows now requires project administrator privileges

The task list in FirstSpirit SiteArchitect manages all tasks created in FirstSpirit, also called "workflows":
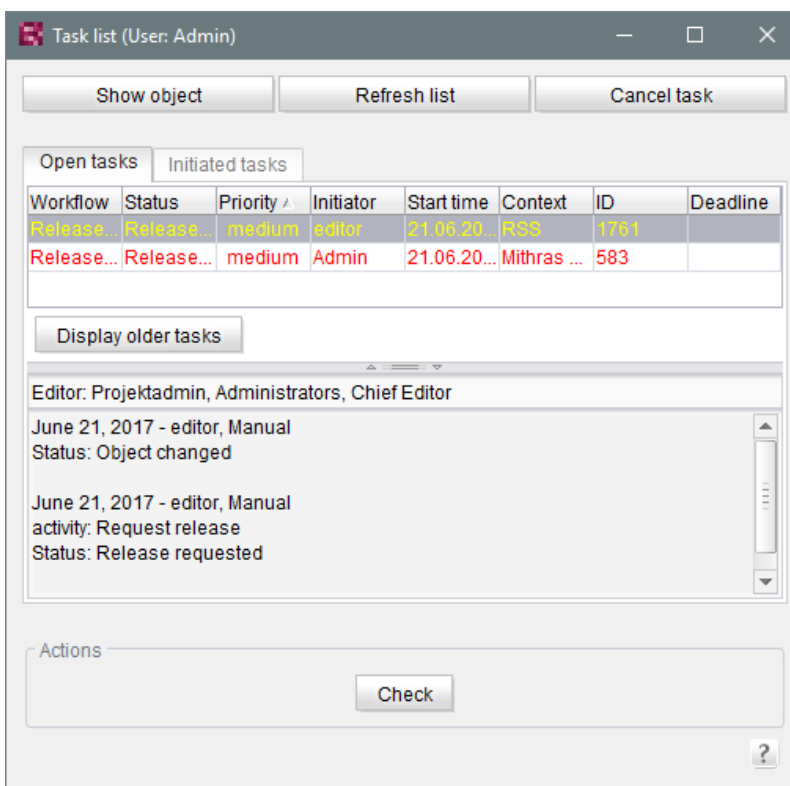
The button "Close task" may be used to close a task and thereby abort the associated workflow. This may become necessary if a task has become invalid (e.g. by deleting the object on which the workflow is active). Until now, this action was available to all users. As of the current FirstSpirit version, this action now requires at least project administrator privileges due to security considerations because aborting

workflows, especially on referenced objects, can potentially lead to undefined states. If the current user does not have sufficient privileges to close a task, the button is inactive.

In this context, the button's label has been changed from "Close task" to "Cancel task".

For further information, see *Documentation for FirstSpirit SiteArchitect*, chapter "Task list".

7   Overview

ID	Description	Categories
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".	Advanced URL, FirstSpirit Administrator, Generation, Modules, Remote access, ServerManager
184015	Populating the input component CMS_INPUT_TEXT via drag-and-drop from the input component CMS_INPUT_DOM has been improved.	Input Components, SiteArchitect
188328	The evaluation and display of changes within the version comparison was improved for the FS_CATALOG input component.	ContentCreator, SiteArchitect, Version history
192962	On the FirstSpirit start page, the user will now be notified about a failed login (invalid user name or password) with the message "Login to the server 'XYZ' failed!"	FirstSpirit home page
193107	The way in which the FirstSpirit administrator user is handled in the case of special configurations has been improved.	FirstSpirit Administrator
194046	The process of cropping images has been improved.	Media Store, SiteArchitect
194569	Aborting workflows from within the task list now requires at least project administrator privileges. Further information can be found in chapter "SiteArchitect: Workflows / Task list: Aborting workflows now requires project administrator privileges".	Permissions, SiteArchitect, Workflow

ID	Description	Categories
194725	As of the current FirstSpirit version, Microsoft SQL Server, version 2016, is officially supported for use with FirstSpirit as a database server running on Windows servers. Further information can be found in chapter "General: Databases: Support for Microsoft SQL Server 2016 and data type "ntext"".	Database
195262	The new method `getServerName()` (Interface `ServerInformationAgent`, FirstSpirit Access-API) returns the server's hostname. Further information can be found in chapter "Module Development, Scripts, API: Getting the host name per API (interface "ServerInformationAgent")".	FirstSpirit API
197095	Optimized copying of content into the FirstSpirit clipboard via the keyboard shortcut Ctrl + C.	Clipboard, SiteArchitect
197817	File extensions can now be assigned to a desired MIME type using the new `mime.types.additional` parameter in the `fs-server.conf` configuration file. Further information can be found in chapter "Administration: Media: Assigning File Extensions to MIME Types".	FirstSpirit Administrator, Media Store
197865	With certain specific configurations, in rare cases, erroneous behavior could occur when updating the subscription in the target project.	Corporate Content
198451	The validation of language independent input components was improved.	ContentCreator, SiteArchitect
198966	Some users experienced errors in ContentCreator sessions. The handling of `editorId` attributes is now improved.	ContentCreator
199071	Erroneous behavior could occur while editing datasets.	SiteArchitect

ID	Description	Categories
199179	The storage location of log messages for ServerManager and SiteArchitect can now be configured - server-wide for all users via the **fs-server.conf** using the parameter **CLIENT_HOME_DIR** or one of the operating-system specific parameters (e. g. **CLIENT_HOME_DIR_WINDOWS**) or user-specific via the corresponding parameters in the connection settings. Further information can be found in chapter "SiteArchitect / Server-Manager: Configurable directory for log messages".	FirstSpirit Administrator, Server Administrator, ServerManager, SiteArchitect
199210 200733	In rare cases, pop-up dialogs were opened in the background when using the operating system macOS.	SiteArchitect
199607	With special configurations, problems with the sort order for entries could arise in the FS_LIST input component.	Input Components, SiteArchitect
199943	For pop-up dialogues created via the **Request-Operation** interface (FirstSpirit Developer-API, Package **de.espirit.firstspirit.ui.operations**) the scrolling behaviour was improved.	ContentCreator
199947	Optimized creation of features that include datasets in projects which do not work with releases ("autorelease mode").	Content Transport
199949	With the current FirstSpirit version, log messages for the browser engine used for the integrated preview are now also retained under **.firstspirit*/logs/SiteArchitect*.log**. Further information can be found in chapter "SiteArchitect: Logging the Integrated Preview (Browser Engines)".	SiteArchitect
199993	When releasing datasets with N:M relationships, erroneous behavior could occur.	SiteArchitect
200145	The process of setting up the Launcher has been improved.	Launcher
200318	Under certain conditions, reports were erroneously displayed as inactive.	ContentCreator
200364	Inserting formatted text when using the module "OfficeConnnect" has been improved.	Modules

ID	Description	Categories
200690	Improved display of values of the input component CMS_INPUT_PERMISSION in metadata forms.	ContentCreator

8 Categories

8.1 Advanced URL

ID	Description
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".

8.2 Clipboard

ID	Description
197095	Optimized copying of content into the FirstSpirit clipboard via the keyboard shortcut Ctrl + C .

8.3 Content Transport

ID	Description
199947	Optimized creation of features that include datasets in projects which do not work with releases ("autorelease mode").

8.4 ContentCreator

ID	Description
188328	The evaluation and display of changes within the version comparison was improved for the FS_CATALOG input component.

ID	Description
198451	The validation of language independent input components was improved.
198966	Some users experienced errors in ContentCreator sessions. The handling of `editorId` attributes is now improved.
199943	For pop-up dialogues created via the `RequestOperation` interface (FirstSpirit Developer-API, Package `de.espirit.firstspirit.ui.operations`) the scrolling behavior was improved.
200318	Under certain conditions, reports were erroneously displayed as inactive.
200690	Improved display of values of the input component CMS_INPUT_PERMISSION in metadata forms.

8.5   Corporate Content

ID	Description
197865	With certain specific configurations, in rare cases, erroneous behavior could occur when updating the subscription in the target project.

8.6   Database

ID	Description
194725	As of the current FirstSpirit version, Microsoft SQL Server, version 2016, is officially supported for use with FirstSpirit as a database server running on Windows servers. Further information can be found in chapter "General: Databases: Support for Microsoft SQL Server 2016 and data type "ntext"".

8.7   FirstSpirit API

ID	Description
195262	The new method `getServerName()` (Interface `ServerInformationAgent`, FirstSpirit Access-API) returns the server's hostname.

ID	Description
	Further information can be found in chapter "Module Development, Scripts, API: Getting the host name per API (interface "ServerInformationAgent")".

8.8   FirstSpirit Administrator

ID	Description
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".
193107	The way in which the FirstSpirit administrator user is handled in the case of special configurations has been improved.
197817	File extensions can now be assigned to a desired MIME type using the new `mime.types.additional` parameter in the `fs-server.conf` configuration file. Further information can be found in chapter "Administration: Media: Assigning File Extensions to MIME Types".
199179	The storage location of log messages for ServerManager and SiteArchitect can now be configured - server-wide for all users via the `fs-server.conf` using the parameter `CLIENT_HOME_DIR` or one of the operating-system specific parameters (e. g. `CLIENT_HOME_DIR_WINDOWS`) or user-specific via the corresponding parameters in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: Configurable directory for log messages".

8.9   FirstSpirit home page

ID	Description
192962	On the FirstSpirit start page, the user will now be notified about a failed login (invalid user name or password) with the message "Login to the server 'XYZ' failed!"

8.10 Generation

ID	Description
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".

8.11 Input Components

ID	Description
184015	Populating the input component CMS_INPUT_TEXT via drag-and-drop from the input component CMS_INPUT_DOM has been improved.
199607	With special configurations, problems with the sort order for entries could arise in the FS_LIST input component.

8.12 Launcher

ID	Description
200145	The process of setting up the Launcher has been improved.

8.13 Media Store

ID	Description
194046	The process of cropping images has been improved.
197817	File extensions can now be assigned to a desired MIME type using the new `mime.types.additional` parameter in the `fs-server.conf` configuration file. Further information can be found in chapter "Administration: Media: Assigning File Extensions to MIME Types".

8.14 Modules

ID	Description
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".
200364	Inserting formatted text when using the module "OfficeConnnect" has been improved.

8.15 Permissions

ID	Description
194569	Aborting workflows from within the task list now requires at least project administrator privileges. Further information can be found in chapter "SiteArchitect: Workflows / Task list: Aborting workflows now requires project administrator privileges".

8.16 Remote access

ID	Description
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".

8.17 Server Administrator

ID	Description
199179	The storage location of log messages for ServerManager and SiteArchitect can now be configured - server-wide for all users via the **fs-server.conf** using the parameter **CLIENT_HOME_DIR** or

ID	Description
	one of the operating-system specific parameters (e. g. `CLIENT_HOME_DIR_WINDOWS`) or user-specific via the corresponding parameters in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: Configurable directory for log messages".

8.18   ServerManager

ID	Description
119901	As of the current FirstSpirit version, the URL creation method for remote projects can also be specified in the remote project configuration of the target project. Further information can be found in chapter "Modules: Corporate Media: Specifying URL creation method for remote projects".
199179	The storage location of log messages for ServerManager and SiteArchitect can now be configured - server-wide for all users via the `fs-server.conf` using the parameter `CLIENT_HOME_DIR` or one of the operating-system specific parameters (e. g. `CLIENT_HOME_DIR_WINDOWS`) or user-specific via the corresponding parameters in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: Configurable directory for log messages".

8.19   SiteArchitect

ID	Description
184015	Populating the input component CMS_INPUT_TEXT via drag-and-drop from the input component CMS_INPUT_DOM has been improved.
188328	The evaluation and display of changes within the version comparison was improved for the FS_CATALOG input component.
194046	The process of cropping images has been improved.
194569	Aborting workflows from within the task list now requires at least project administrator privileges.

ID	Description
	Further information can be found in chapter "SiteArchitect: Workflows / Task list: Aborting workflows now requires project administrator privileges".
197095	Optimized copying of content into the FirstSpirit clipboard via the keyboard shortcut Ctrl + C .
198451	The validation of language independent input components was improved.
199071	Erroneous behavior could occur while editing datasets.
199179	The storage location of log messages for ServerManager and SiteArchitect can now be configured - server-wide for all users via the `fs-server.conf` using the parameter `CLIENT_HOME_DIR` or one of the operating-system specific parameters (e. g. `CLIENT_HOME_DIR_WINDOWS`) or user-specific via the corresponding parameters in the connection settings. Further information can be found in chapter "SiteArchitect / ServerManager: Configurable directory for log messages".
199210 200733	In rare cases, pop-up dialogs were opened in the background when using the operating system macOS.
199607	With special configurations, problems with the sort order for entries could arise in the FS_LIST input component.
199949	With the current FirstSpirit version, log messages for the browser engine used for the integrated preview are now also retained under `.firstspirit*/logs/SiteArchitect*.log`. Further information can be found in chapter "SiteArchitect: Logging the Integrated Preview (Browser Engines)".
199993	When releasing datasets with N:M relationships, erroneous behavior could occur.

8.20   Version history

ID	Description
188328	The evaluation and display of changes within the version comparison was improved for the FS_CATALOG input component.

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8.21 Workflow

ID	Description
194569	Aborting workflows from within the task list now requires at least project administrator privileges. Further information can be found in chapter "SiteArchitect: Workflows / Task list: Aborting workflows now requires project administrator privileges".