First Spirit™

Unlock Your Content

FirstSpirit™ Maintenance Build
FirstSpirit™ Version 5.2 Release 4

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e-Spirit

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1   Administration

1.1   Configuration of session cookies (fs-server.conf)

Within the FirstSpirit web applications (fs5root, fs5webedit, fs5webmon, fs5preview, fs5staging), unified session cookies can be used. In conjunction with an application server or a firewall (operated on the application server), additional session cookies can be set, e.g. for authentication purposes. The names of these additional session cookies must be made known to FirstSpirit via the parameter **clientCookieNames**. During start of SiteArchitect or ServerManager, FirstSpirit passes the cookies defined in this parameter via the Java Web Start file (**FirstSpirit.jnlp**) or the FirstSpirit Launcher (**FirstSpirit.fslnch**) downloaded on the client side. The cookies will also be passed to the browser engine used in the project and thus will be available for use in the integrated preview in SiteArchitect. The same cookie will be used in three distinct session contexts (web browser: HTTP client, SiteArchitect: client/server communications, SiteArchitect: integrated browser engine).

As of the current FirstSpirit version, the configuration file "fs-server.conf" now allows optional configuration of specific values for these non-FirstSpirit session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie. This is necessary when the corresponding values cannot be read directly from these non-FirstSpirit session cookies.

clientCookie.{cookieName}.domain: Specifies the domain used for the session cookie. If no value is given, the cookie will carry the URL from which the client was started (including the host name).

clientCookie.{cookieName}.path: Specifies the path of the session cookie. Default value: /

clientCookie.{cookieName}.secure: The secure flag limits the transmission of the session cookie. If the value is **true**, the cookie will only be sent to the server if communication takes place via HTTPS (if the URL meets the domain and path requirements). If the value is **false**, the cookie will be sent in both HTTP and HTTPS communications.

Example (**fs-server.conf**):

```
clientCookieNames=cookieName1
clientCookie.cookieName1.domain=*.domain.com
clientCookie.cookieName1.path=/
clientCookie.cookieName1.secure=true
```

1.2 MBeans for visualization and control of database connections ("ConnectionPool")

Java Management Extensions (JMX) provide a standardized interface for the management of Java applications. Using the JMX console, it is possible to monitor and manage a FirstSpirit server. While FirstSpirit ServerMonitoring is primarily used for manual monitoring of a FirstSpirit server, the JMX interface is used for automatic monitoring and can integrate into existing, enterprise-wide monitoring infrastructures. All values and operations are provided by Managed Beans ("MBeans").

The current FirstSpirit version provides MBeans in the JMX console entry "ConnectionPool" which allow visualization and control of database connections.

This entry contains information about databases the FirstSpirit server is connected to. The display is dynamic, i.e. the entry will only be loaded in the JMX console if the project using a database connection is loaded by at least one user. The information will then be updated dynamically during the runtime. Each project and each database connection is represented by an individual MBean which will be shown within the folder "ConnectionPool".

Attributes

- `ConnectionRetryCount`: Number of connection attempts to the database. When executing an SQL query, FirstSpirit tries to employ a currently established but unused connection from the connection pool. If no unused connections are available, FirstSpirit attempts to establish a new connection to the database. In that case, queries may be rejected (e.g. due to the database configuration).

- `ConnectionRetryCycleMillis`: Defines the time interval (in milliseconds) that the ORMapper will wait before retrying to establish a connection to the database if the previous attempt failed.

- `ConnectionTimeoutMillis`: Defines the time interval (in milliseconds) after which the FirstSpirit server considers an unused connection in the connection pool to be outdated and thus closes that connection. Values of zero or negative values will deactivate the time-out.

- `DatabaseUrl`: Contains the JDBC URL to a database server and a database located on that server, e.g.: `jdbc:mysql://localhost:3306/dbname` .

The format of JDBC URLs is specific to each database system. For more information, see the documentation specific to the database system.

- **Driver**: Contains the fully-qualified class name of the JDBC driver used.

- **FetchConnectionTimeoutMillis**: Defines the time interval (in milliseconds) that the FirstSpirit server waits for an unused connection from the connection pool while accessing the database.

- **IsolationLevel**: Transaction isolation level for the JDBC database connection. See the Java documentation (https://docs.oracle.com/javase/8/docs/api/java/sql/Connection.html#setTransactionIsolation-int-) for valid values.
  The set of available isolation levels is specific to each database system. For more information, see the documentation specific to the database system.

- **MaxConnections**: Maximum allowable number of concurrent established connections to the database per connection pool.

- **MinConnections**: Minimum guaranteed number of available established connections to the database per connection pool.

- **OpenConnections**: Number of currently established connections to the database per connection pool.

- **PoolCheckIntervalMillis**: Defines the time interval (in milliseconds) between two checks of all established connections in the connection pool.

- **PoolSize**: Size of the connection pool. This value always matches the number given in **maxConnections**.

- **PoolTimeoutMillis**: Defines the time interval (in milliseconds) during which the FirstSpirit server may use a database connection from the connection pool. If the server does not release that connection before the end of this interval, the connection will be closed automatically.

- **UsedConnections**: Number of currently established and used database connections.

Operations

■ **void flushConnections()**: Executing this method causes all unused connections in the connection pool to be closed and, if necessary, new connections to be established up to the number given in **MinConnections**.

For general information about MBeans, see *FirstSpirit Manual for Administrators*, chapter "FirstSpirit JMX Console".

2 SiteArchitect

2.1 Display of Default Values in Data Sources

FirstSpirit's Data Sources store is used to store and manage well-structured content, e.g. press releases, product catalogs, and address lists. The data is displayed in a tabular view:

If a template for a dataset defines an input component with a default value and a dataset based on this template does not override this value (i.e. an editor has not entered a value into this input component for that dataset), the detailed dataset view will show a pink frame around this input component:
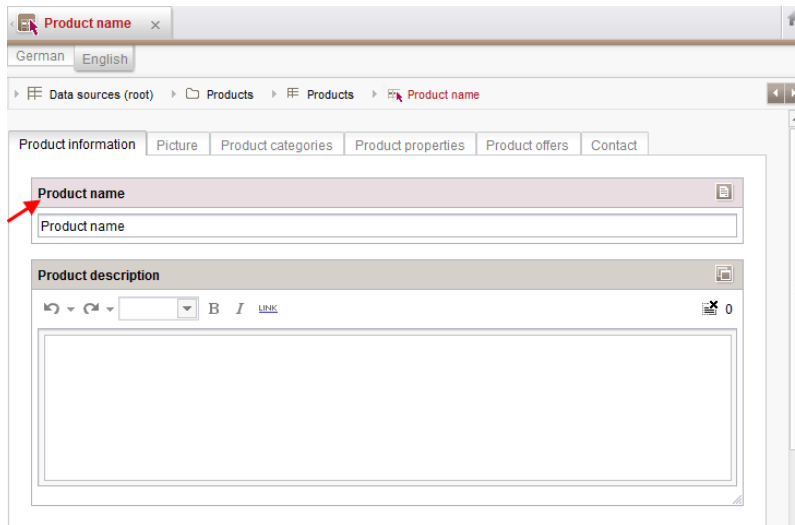
In the tabular view, such default values used by a dataset will now be shown in a semi-transparent fashion:
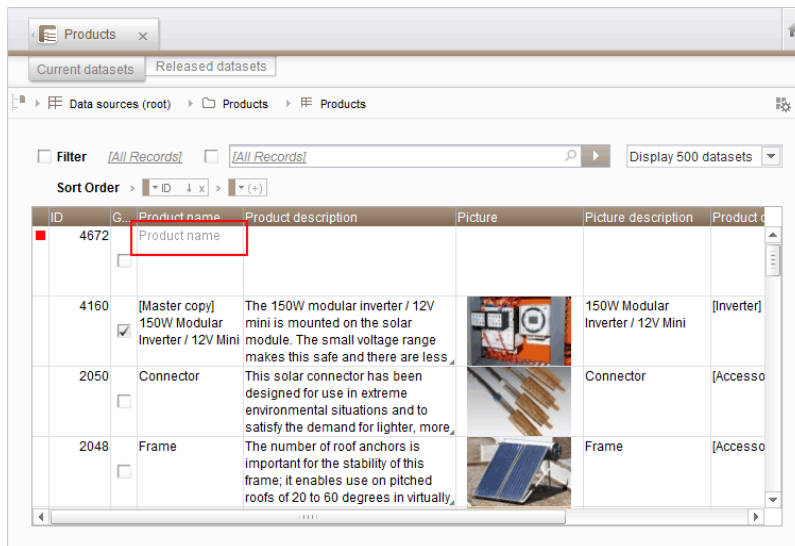
Previously, default values were not shown.

For further information, see

- *Documentation for FirstSpirit SiteArchitect*, chapters
  - "Data Store / Editing area of a data source (overview)"

- "General operation / Default values"

- *FirstSpirit Online Documentation*, chapter
  - "Template development / Forms / Default values"

3   Overview

ID	Description	Categories
181736	The current FirstSpirit version provides MBeans in the JMX console entry "ConnectionPool" which allow visualization and control of database connections. Further information can be found in chapter "Administration: MBeans for visualization and control of database connections ("ConnectionPool")".	Database, FirstSpirit Administrator
184378	Relating to the input component FS_DATASET, if a filtered data source is used with `selectorMode="list"`, the filter will now be observed in the dataset view in the selection list.	Content Store, Editor, Input Components
185776	Optimized evaluation of privileges for thumbnail images in the selection dialog when creating pages or sections.	SiteArchitect
188461	When uploading a media file into the Media store using the dialog "Create medium", the file selection dialog defaults to the directory "Documents" within the local user directory. During further file upload actions, the file selection dialog will start in the most recently selected directory.	Media Store
188564	Improved file selection dialog of the input component FS_REFERENCE.	Editor, Input Components, SiteArchitect
189166	When creating a new page in ContentCreator, dot characters ('.') in the display name were erroneously preserved in the reference name.	ContentCreator

ID	Description	Categories
190065	In the data source overview, default values will now be displayed in semi-transparent fashion. Further information can be found in chapter "SiteArchitect: Display of Default Values in Data Sources".	Content Store, SiteArchitect
190178	Optimized evaluation of rules when using the property SECTION for the input component FS_REFERENCE. This property may be used to check if a section is selected.	Dynamic Forms, Input Components, SiteArchitect
190195	Publishing a package with nodes that were deleted or archived in the source project could cause an error message to be logged. The message will now be logged with the log level "TRACE" such that it no longer appears as an error (log level "ERROR").	Corporate Content
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie. Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".	FirstSpirit Administrator, Launcher, Server Administrator, ServerManager, Sessions, Webstart
190263	Corrected access to form fields during generation (FirstSpirit Access API, package `de.espirit.firstspirit.forms`, interface `FormData`, method `get(Language, String)`).	Generation
190417	SiteArchitect performance improvements.	Editor, SiteArchitect
190569	The configuration of a new feature package can again be tested in the schedule action "Content Transport" (ServerManager / Project / Properties / Schedule management / Add / Default schedule / Actions / Add / Content Transport / Test configuration).	Content Transport, ServerManager
190715	Optimized rule evaluation during emptiness check (property EMPTY).	Dynamic Forms
190852	For the input component FS_CATALOG, improved the input dialog and drag-and-dropp of media from the AppCenter.	Editor, Input Components, SiteArchitect

ID	Description	Categories
190870	When using Apache Tomcat version 8.0.36, instead of displaying the specifically requested dataset on a content projection page, the first dataset of this content projection may have been displayed.	ContentCreator, Editor, Preview
191174	Importing content packages into projects which define languages that were not defined in the source project could lead to erroneous behavior in input components that are grouped with the design element CMS_GROUP.	Corporate Content, Input Components

4 Categories

4.1 Content Store

ID	Description
184378	Relating to the input component FS_DATASET, if a filtered data source is used with **`selectorMode="list"`**, the filter will now be observed in the dataset view in the selection list.
190065	In the data source overview, default values will now be displayed in semi-transparent fashion. Further information can be found in chapter "SiteArchitect: Display of Default Values in Data Sources".

4.2 Content Transport

ID	Description
190569	The configuration of a new feature package can again be tested in the schedule action "Content Transport" (ServerManager / Project / Properties / Schedule management / Add / Default schedule / Actions / Add / Content Transport / Test configuration).

4.3   ContentCreator

ID	Description
189166	When creating a new page in ContentCreator, dot characters ('.') in the display name were erroneously preserved in the reference name.
190870	When using Apache Tomcat version 8.0.36, instead of displaying the specifically requested dataset on a content projection page, the first dataset of this content projection may have been displayed.

4.4   Corporate Content

ID	Description
190195	Publishing a package with nodes that were deleted or archived in the source project could cause an error message to be logged. The message will now be logged with the log level "TRACE" such that it no longer appears as an error (log level "ERROR").
191174	Importing content packages into projects which define languages that were not defined in the source project could lead to erroneous behavior in input components that are grouped with the design element CMS_GROUP.

4.5   Database

ID	Description
181736	The current FirstSpirit version provides MBeans in the JMX console entry "ConnectionPool" which allow visualization and control of database connections. Further information can be found in chapter "Administration: MBeans for visualization and control of database connections ("ConnectionPool")".

4.6   Dynamic Forms

ID	Description
190178	Optimized evaluation of rules when using the property SECTION for the input component FS_REFERENCE. This property may be used to check if a section is selected.
190715	Optimized rule evaluation during emptiness check (property EMPTY).

4.7   Editor

ID	Description
184378	Relating to the input component FS_DATASET, if a filtered data source is used with `selectorMode="list"`, the filter will now be observed in the dataset view in the selection list.
188564	Improved file selection dialog of the input component FS_REFERENCE.
190417	SiteArchitect performance improvements.
190852	For the input component FS_CATALOG, improved the input dialog and drag-and-dropp of media from the AppCenter.
190870	When using Apache Tomcat version 8.0.36, instead of displaying the specifically requested dataset on a content projection page, the first dataset of this content projection may have been displayed.

4.8   FirstSpirit Administrator

ID	Description
181736	The current FirstSpirit version provides MBeans in the JMX console entry "ConnectionPool" which allow visualization and control of database connections. Further information can be found in chapter "Administration: MBeans for visualization and control of database connections ("ConnectionPool")".
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie.

ID	Description
	Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".

4.9 Generation

ID	Description
190263	Corrected access to form fields during generation (FirstSpirit Access API, package **de.espirit.firstspirit.forms**, interface **FormData**, method **get(Language, String)**).

4.10 Input Components

ID	Description
184378	Relating to the input component FS_DATASET, if a filtered data source is used with **selectorMode="list"**, the filter will now be observed in the dataset view in the selection list.
188564	Improved file selection dialog of the input component FS_REFERENCE.
190178	Optimized evaluation of rules when using the property SECTION for the input component FS_REFERENCE. This property may be used to check if a section is selected.
190852	For the input component FS_CATALOG, improved the input dialog and drag-and-dropp of media from the AppCenter.
191174	Importing content packages into projects which define languages that were not defined in the source project could lead to erroneous behavior in input components that are grouped with the design element CMS_GROUP.

4.11   Launcher

ID	Description
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie. Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".

4.12   Media Store

ID	Description
188461	When uploading a media file into the Media store using the dialog "Create medium", the file selection dialog defaults to the directory "Documents" within the local user directory. During further file upload actions, the file selection dialog will start in the most recently selected directory.

4.13   Preview

ID	Description
190870	When using Apache Tomcat version 8.0.36, instead of displaying the specifically requested dataset on a content projection page, the first dataset of this content projection may have been displayed.

4.14   Server Administrator

ID	Description
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie.

ID	Description
	Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".

4.15   ServerManager

ID	Description
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie. Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".
190569	The configuration of a new feature package can again be tested in the schedule action "Content Transport" (ServerManager / Project / Properties / Schedule management / Add / Default schedule / Actions / Add / Content Transport / Test configuration).

4.16   Sessions

ID	Description
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie. Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".

4.17   SiteArchitect

ID	Description
185776	Optimized evaluation of privileges for thumbnail images in the selection dialog when creating pages or sections.

ID	Description
188564	Improved file selection dialog of the input component FS_REFERENCE.
190065	In the data source overview, default values will now be displayed in semi-transparent fashion. Further information can be found in chapter "SiteArchitect: Display of Default Values in Data Sources".
190178	Optimized evaluation of rules when using the property SECTION for the input component FS_REFERENCE. This property may be used to check if a section is selected.
190417	SiteArchitect performance improvements.
190852	For the input component FS_CATALOG, improved the input dialog and drag-and-dropp of media from the AppCenter.

4.18   Webstart

ID	Description
190207	The configuration file "fs-server.conf" now allows optional configuration of specific values for session cookies. The new attributes can define values for domain, path, and the secure flag of the session cookie. Further information can be found in chapter "Administration: Configuration of session cookies (fs-server.conf)".