

Release-Notes FirstSpirit^{4.2.507}

Previously released versions: 4.2.38, 4.2.206, 4.2.219, 4.2.223, 4.2.432, 4.2.437, 4.2.446, 4.2.453, 4.2.454, 4.2.461, 4.2.468, 4.2.476, 4.2.484, 4.2.488, 4.2.497, 4.2.501, 4.2.503, 4.2.505

Java Vulnerability (Serialization/Deserialization)

Java applications which use or include the Java libraries

- “Common Collections” (Apache)
- “Groovy”
- “Spring Framework”

may pose a potential security risk: a vulnerability in these libraries enables an attacker to execute code on a server without prior authentication. Further libraries affected by this vulnerability are currently not known.

The FirstSpirit core software itself is not affected by this security threat as it does not use any of the aforementioned libraries.

However, the following FirstSpirit Modules use at least one of the affected libraries and thus may be used as vectors for malicious attacks against FirstSpirit:

- FirstSpirit Object Service (FOS)
- FormEdit
- UX-Bridge
- Pixelboxx Connect
- SocialNetworking
- SocialWeb
- Liferay Portal Integration EE (through FOS/UX-Bridge)

Furthermore, third-party FirstSpirit Modules may be affected.

This newly released build of FirstSpirit version 4.2R4 includes a bugfix which provides extensive protection against known and unknown attacks which exploit this vulnerability. This fix also protects potentially vulnerable modules (server-side only!). An update to this FirstSpirit version increases the general security of FirstSpirit, e.g. when FirstSpirit is deployed in an unprotected environment.

Several of the aforementioned modules will receive specific bugfixes to protect against this vulnerability in upcoming releases.

For further information, see the related posting in the FirstSpirit Community.

Please direct questions about this subject to e-Spirit Technical Support.

For further information about the vulnerability, see www.foxglovesecurity.com.

FS_LIST, INLINE type with link templates: Calculation of external references

When the FS_LIST (INLINE type) input component was used with link templates (<TEMPLATES source="linktemplates"/>) in previous versions, external references (link template, “Properties” tab, “External URL”) were not generated correctly. This issue has been resolved as part of FirstSpirit version 4.2.507.

In order for the associated fix to work in existing projects, the references have to be recalculated. This can be achieved by changing the FS_LIST instances that make use of them.

Only in exceptional cases can **all** of the references in the project be recalculated using the “Repair references” schedule: FirstSpirit ServerManager / Project properties / Schedule management / “Repair references” action.

It takes a lot of memory and processing time to execute this schedule and so it should only be used during a maintenance period!

FS_LIST (Type INLINE) and allowEmpty="no"

Using the FS_LIST type *INLINE*, editors can create lists of sections or links so that they may manage multiple sections or links within one input component without having to switch to other input components, other sections, etc.

For technical reasons, input components defined in section and link templates which are to be used for inner elements of FS_LIST components cannot use the attribute “allowEmpty” with value “no”. In newer FirstSpirit versions (5.0 and later), rules may be used to perform emptiness checks on input components in such templates.

Bug-fixes

ID	Role	Category	Sub Category	Description
173622	All Users	SiteArchitect (JavaClient)	Input Components	The input component FS_LIST (type INLINE) erroneously did not calculate external references for links. For further information, see the Introduction (section “FS_LIST, Type INLINE With Link Templates: Calculation of External References”).
174620	All Users	SiteArchitect (JavaClient)	Input Components	Navigation in a selection dialog associated with the input component FS_LIST (type DATABASE) could lead to erroneous behavior.
173415	All Users	SiteArchitect (JavaClient) and ContentCreator (WebClient)	Site Store	Optimized update behavior in the preview when structural changes are made in a project.
134915	Developer	SiteArchitect (JavaClient)	Input Components	By using the data element CMS_INCLUDE_OPTIONS, the input components CMS_INPUT_COMBOBOX and CMS_INPUT_RADIOBUTTON may be populated automatically with datasets from foreign tables. The column of the data source in which the selected value should be stored may be indicated using the optional tag KEY. Such a configuration could lead to erroneous behavior when storing values.
114091	FirstSpirit Administrator	ServerManager (Server and Project Configuration)	Deployment	Optimized FTP deployment for leap years.

ID	Role	Category	Sub Category	Description
171082	FirstSpirit Administrator	ServerManager (Server and Project Configuration)	License	Licenses for the Java Wrapper have been renewed. After updating the Java Wrapper, use of this renewed license is required.
173802	FirstSpirit Administrator	ServerManager (Server and Project Configuration)	None	The description was not always included for the resolution under the project properties.