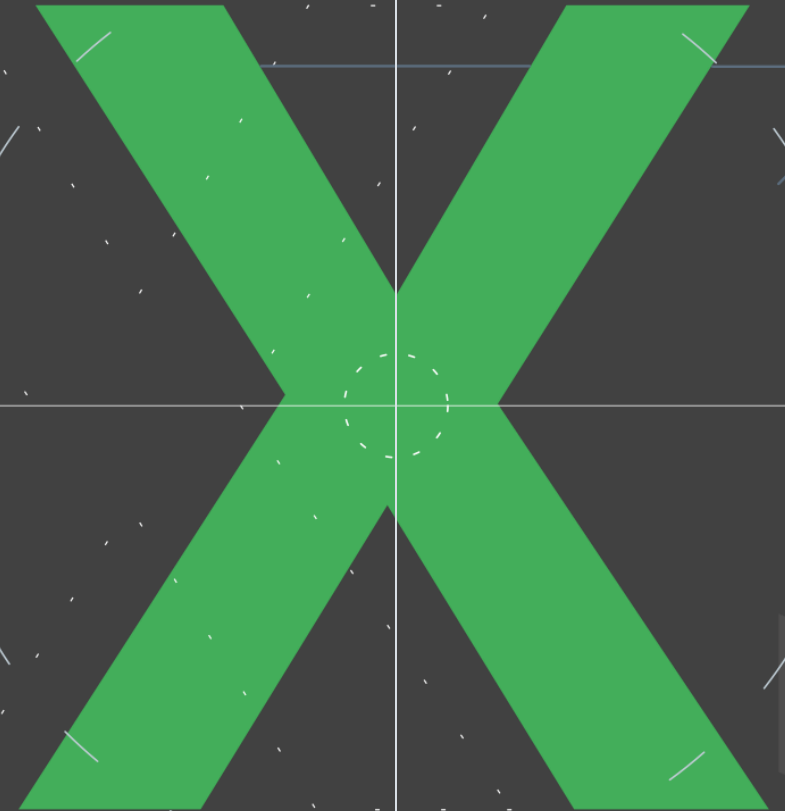


What metadata binding in
Tridion Docs can teach us
about decoupled metadata
integration and the future of
taxonomy features



Agenda

- Metadata binding
 - Demo
- Taxonomy features
 - Demo

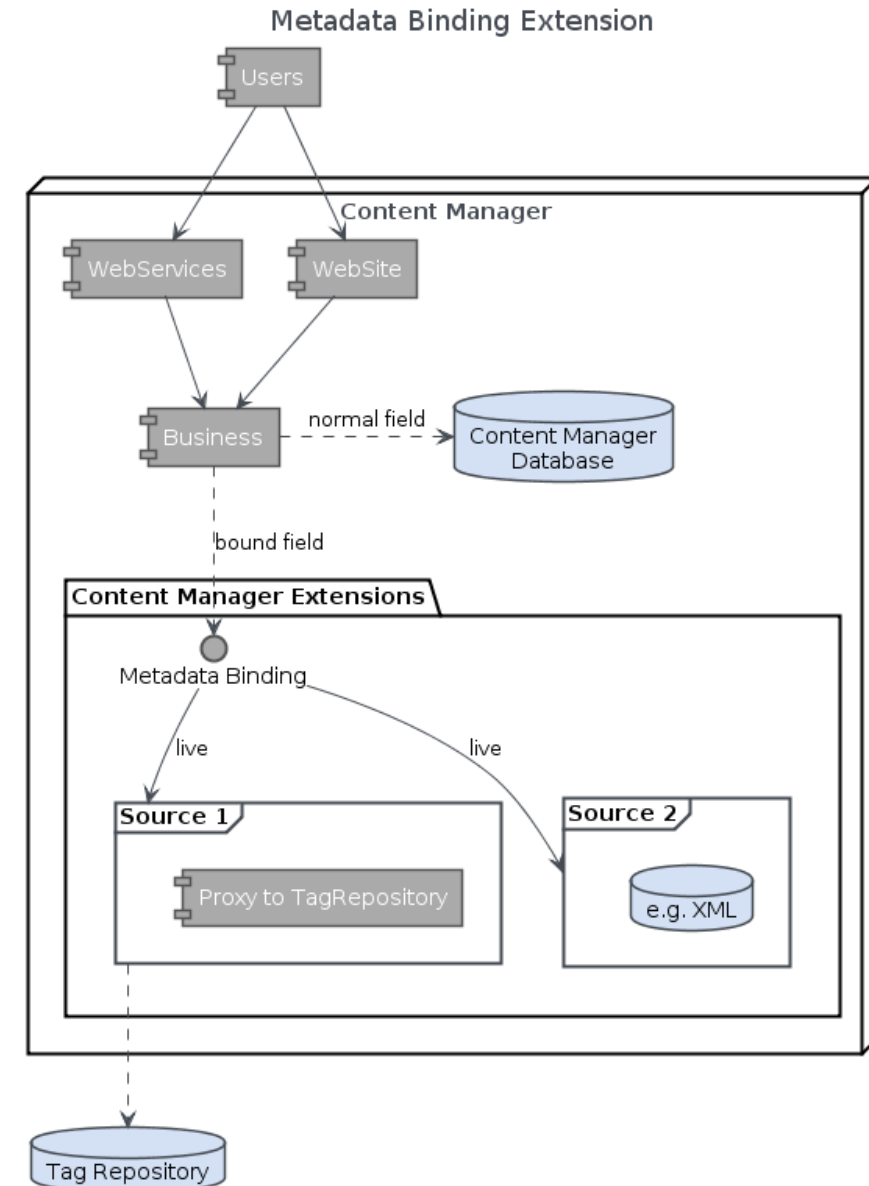




Metadata binding

Metadata binding overview

- All fields are configured in the database of Content Manager.
- Restriction on a field can only be a flat list in Content Manager.
- Connect to other repositories for field values.
- The metadata binding is an extension that allows enhancement of metadata fields.
- Field values are retrieved as a set of tags
- Every tag in the source's repository must have a unique identifier.
- Every repository can organize its tags in any manner that reflects the integration's business.
- Overall the metadata binding extension integrates any set of tags in the form of a graph.





Demo on Jira integration

- Creating Jira handler from scratch
 - Retrieving a list of issues
 - Searching for issues
 - Validation on identifiers
- Installation and configuration
 - Extension XML settings

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DEMO



Taxonomy features

Taxonomy integration feature



- Extension points
 - Metadata binding handler interface
 - Write plugin
- Updating field with extracted concepts from content during save



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DEMO

Metadata binding information



The screenshot shows the SDL Documentation website in a browser. The URL is <https://docs.sdl.com/796504/250994/sdl-tridion-docs-14-sp2/metadata-binding-extension>. The page title is "SDL*". The sidebar on the left shows a navigation tree with the following structure:

- processes
 - + IEventHandler
 - + Write plugins
 - + Background task plugins
 - x Content Manager extensions
 - x Metadata binding extension
 - x Metadata binding plugin
 - interfaces
 - IHandler
 - IHandlerConfiguration
 - IFieldsFilter
 - IMessage
 - IMessageParam
 - IResolveContext
 - IResolveResult
 - IRetrieveTagsContext
 - IRetrieveTagsResult
 - IRetrieveTagStructureContext
 - IRetrieveTagStructureResult

The main content area contains the following text:

This allows integration from the simplest forms of graph to very complex ones.

For example

- Flat list
- Hierarchical list
- Taxonomy
- Ontology

When a source is referenced by any field in the `metadata binding extension`, the field is considered bound. When a field is bound, an user can select tags for this field as provided from the referenced source and the proxied repository. The tags that the user selects for the field are stored in the Content Manager database using only the identifiers provided by the source. Thus the information stored in Content Manager becomes as less stale as possible over time. When the tag is about to be used by the system, the identifier is used to acquire relevant information from the tag repository. For example when the field's stored identifiers would render, the identifiers are used to show a meaningful information rather than just an identifier. Depending on the situation, a tag can reflect certain business as defined in the tag repository. For the same reason, when updating bound fields, the identifiers can be validated against the referenced source and the tag repository. For example a tag flower can point to a plant or cooking concept.

Four new methods in the SDK

This functionality is provided by four different methods on the SDK. Every function has a different purpose in the integration and is triggered from different locations in the flow of Content Manager.

- The `RetrieveTags` helps the user interface to provide a short list of suggested tags. This is also known as the suggest mode for the user controls that drive tag selection.
- The `RetrieveTagStructure` helps the user interface to provide a tree like structure of available tags. This is also known as the browse mode for the user controls that drive tag selection.
- The `ResolveIds` provide contextual value for the stored ids in the database of Content Manager
- The `Validate` can enhance the validation of the data for bound fields before they are stored in the database. The validation is currently triggered through the `IWriteMetadata` Plugins.

From the `metadata binding extension` perspective all integrations are live up to the call of the SDK function.

Different fields can be bound to different sources. For a source to be valid as a metadata binding reference it has to support the `MetadataBinding` SDK.

Different fields can reference different sources so Content Manager can integrate as many additional tag repositories as required.

The 'Contents' sidebar on the right contains the following text:

Contents

- From simple to very complex integrations are now possible
- Four new methods in the SDK

[illegible]

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