

Structured Content Initiative



Lidia Demin and André Kraus



#cig-structuredcontent

Agenda

1. What is the Structured Content Initiative about?
2. Content Block Registration API - Concept
3. Content Block Registration API - Demo and FAQ

1. What is the Structured Content Initiative about?

Goals

- Improvement of UX for editors
- Improvement of integration of new/ custom content elements for integrators
- Independent frontend rendering

Our groups

Due to complexity of overall goals, we created 3 groups for the main targets:

- Editing Interface UX:
 - Improvements of current UX
 - Evaluation of the page module
 - Creation of personas and user story templates
 - UX wireframes and click dummies for actual implementation
- Content Block Creation:
 - Definition of content block data structure
 - Definition of content block registration
 - Concept for maintenance, existing solutions must continue to be supported
- Rendering Group:
 - Concepts for content interpretation in the frontend
 - Rendering of various data formats and markups like AMP, JSON, XML
 - CSS & JS registration per content element

The members

Active members



Rachel Foucard
Lead
Editing Interface UX



Lidia Demin
Lead
Content Block Creation



André Kraus
Lead
Rendering Group



Annett Jähnichen



Jonas Eberle

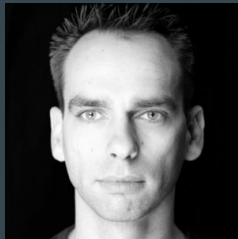


Paul Hansen

Supporters



Benni Mack



Oliver Hader



Benjamin Kott



Jo Hasenau



Kay Strobach

2. Content Block Registration API

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Concept

Content Block Registration API

The motivation:

“Defining ‘Content Elements’ in TYPO3 can be hard and the learning curve is steep. You need to learn PHP, TCA, TypoScript and Fluid and maybe other languages.”

Content Block Registration API

Goals:

- Main goal: provide an easy and reliable way to register content blocks.
- Main target group: integrators, TYPO3 newcomers
- Reuse as much as possible from already existing technologies, but not at the cost of improvement.
- Separate a field's view related properties from it's database related properties.
- Validation of editing interface definition.

Content Block Registration API

Concept for content block registration:

- A content block is defined as **a *small chunk of information***, which is connected to a view and then rendered in the TYPO3 frontend.
- Each content block is described in a separate composer package.
- TYPO3 then uses a custom composer installer to place these packages in a dedicated location.

Content Block Registration API

- The editing interface is described in the EditorInterface.yaml of the composer package.
- The field types for the EditorInterface.yaml are heavily inspired by the Symfony field types and will be mapped to TCA.
→ **Field types in editing interface != field types in DB.**
- Configuration required by TYPO3 is generated during registration process.

Content Block Registration API

Possible data storage methods:

- Extending tt_content
- Custom table per content block
- Entity-Attribute-Value (EAV)
- Storing Blobs
 - XML
 - JSON

Content Block Registration API

Current state

- **EXT:contentblocks_reg_api** released for POC
- 2 installation modes:
 - Usage of Content blocks
 - Development of the API
- Supports both composer and non-composer mode
- Simple GUI for creating content blocks

Content Block Registration API

Advantages

- Simplifies the registration process
- GUI for Content Block creation
- Eases up the learning curve for beginners
- Usage of TYPO3 core APIs under the hood makes important areas like localization and workspaces more stable than a custom approach

Content Block Registration API

Further development

- Improving UI for content block creation
- Re-evaluating data storage method based on results from the Persistence Initiative
- Collecting feedbacks and improving processes

2. Content Block Registration API

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Demo and FAQ

Stay tuned

You find us on:

- Communication over TYPO3 SLACK: #cig-structuredcontent
- Official Initiative page:
<https://typo3.org/community/teams/typo3-development/initiatives/structured-content>
- GitHub:
 - Content Block Registration API:
<https://github.com/TYPO3-Initiatives/content-block-registration-api>
 - Page Module:
<https://github.com/TYPO3-Initiatives/structured-content-page-module>