# 2017-07-12 Content Types Discussion

> ℹ️ Outcome of last Wednesday tech meeting w/ the Basel team. This was merely a catch-up and eventually revolved around content-app descriptors and generation of config builders, as well as status of existing PRs.

12 Jul 2017

## Attendees

- Mikaël Geljić
- Ilgun Ilgun
- Philip Mundt
- Aleksandr Pchelintcev

## Outcome

- We seem to have consensus **against re-introducing definition builders maintained by hand** (like those we reverted before 5.0)
  - Either verbosely build/nest configured definitions w/ plain constructors (no new def code)
  - And/or we give a shot at leveraging Sasha's code-generation efforts for this
- Current PRs are not production-ready
  - Either reach production-grade **without datasource awareness**: little (fixed) to no workspace, name-space & node-type registrations
  - Or depend upon having a better shared understanding of our **datasource definition requirements** (workshop to come)

## Discussion log

- Intro / Context
  - 2w action plan, GO from architecture group
- **UI / AppDescriptor builders flavor**
  - Code-generation 2w effort; result was parked
    - Generator from main, w/ annotation for def classes (Definition intf)
    - https://wiki.magnolia-cms.com/display/DEV/Configuration+by+code+via+generated+builder+DSL
    - plain AP built on top of google-auto commons/services + JavaPoet for "class template"
    - https://git.magnolia-cms.com/projects/PLATFORM/repos/main/pull-requests/460/
  - Mika
    - was voting for AP-generation for a long time
      - would generate Configured* impls as well
      - not against changing our "input" (interface w/ getters, vs. concrete classes w/ fields)
    - or ideally have Java APIs usable without any "proxy config" (no def, no app descriptor)
      - e.g. new JcrContentApp(workspace, ....)
      - a bit too wishful pbly (esp. for content apps, workbench)
  - Further dev ticket / **timebox to interface App generation w/ generated builders**
    - ⚠️ MGNLUI-4238 - Jira project doesn't exist or you don't have permission to view it.
  - Does decoration play "nicely" with semi-pushed generated defs into app registry
  - Workshop for defining the datasource
    - ☑ Mika yet to file / schedule that
    - ⚠️ DEV-617 - Jira project doesn't exist or you don't have permission to view it.
- **Content app defaults**
  - yet to formalize patterns, actions, columns
  - crud, publishing, import-export
  - 3 different stock apps have different flavors of actionbar section availability

- even the groovy generator is not fully "canonical"
- Security model
    - default roles (Editor / Publisher)
    - ownership model

- **Sasha: ideally, ContentAppDescriptor fully consuming the ContentTypeDefinition**
    - apps
        - foo
            - class: JcrContentTypeAppDescriptor
            - contentType: myfoo
            - form
                - layout
            - feature-driven config
    - providing bold/brand-new config to support higher-level use cases / user stories
        - macro-magnolia features
        - activation, personalization, workflow, folders, tagging, ...
        - CT def vs. AppDescriptor
    - composing views
    - ⚠️ decorating generated defs becomes slightly complex / technical
        - not ideal if it's all what's there

- ⚠️ Status of PRs was confusing