Adobe Experience Manager 6.2 Technical Sneak Peek

Gabriel Walt – Product Manager – Sites

Justin Edelson – Experience Architect & Evangelist

Twitter: @GabrielWalt

Twitter: @JustinEdelson

Adobe Experience Manager
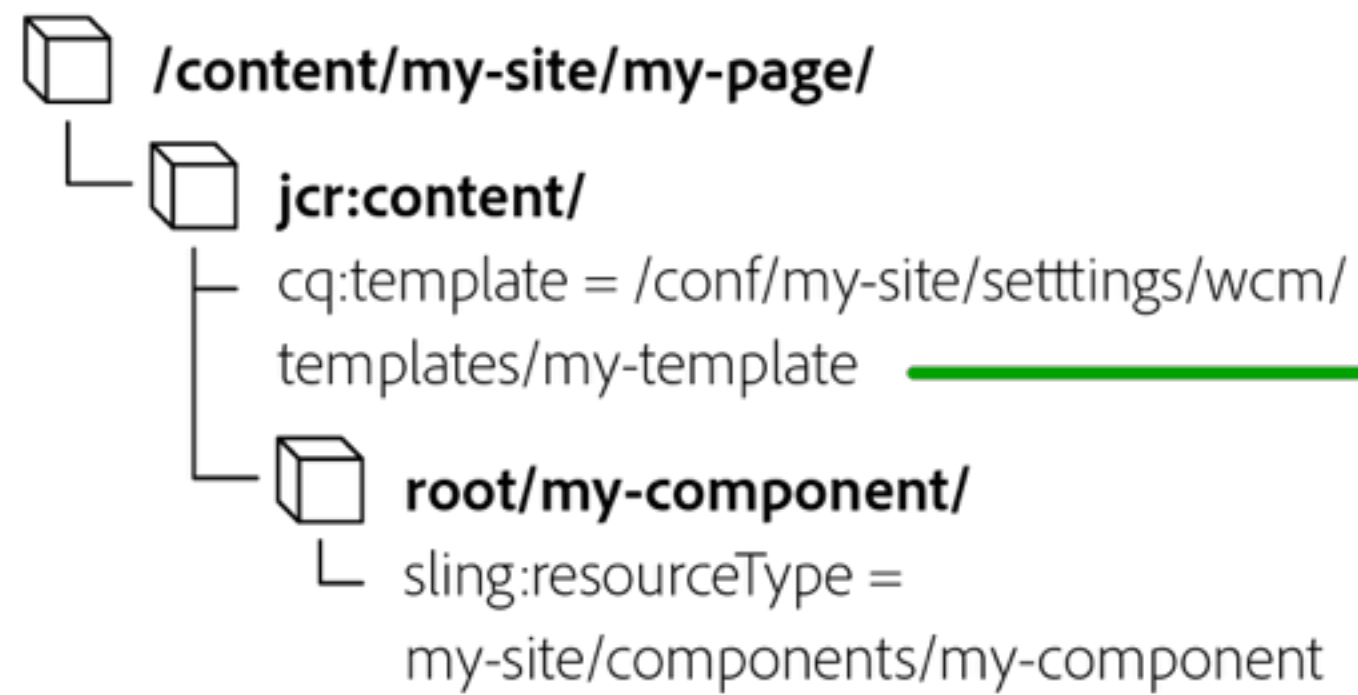
Technical Sneak Peek

- Omni Search

- Reference Implementation

- Content Fragments

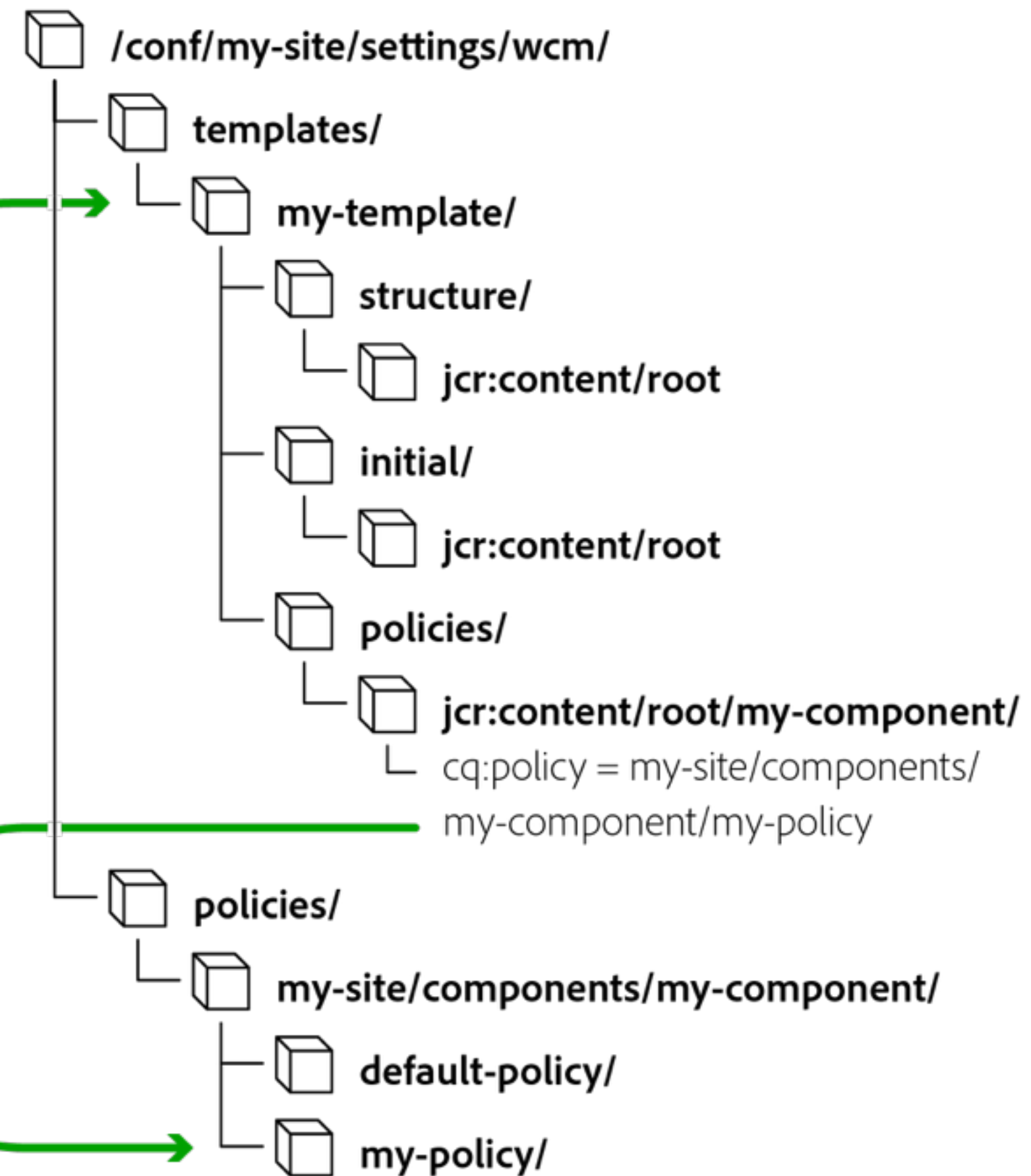- Template Editor
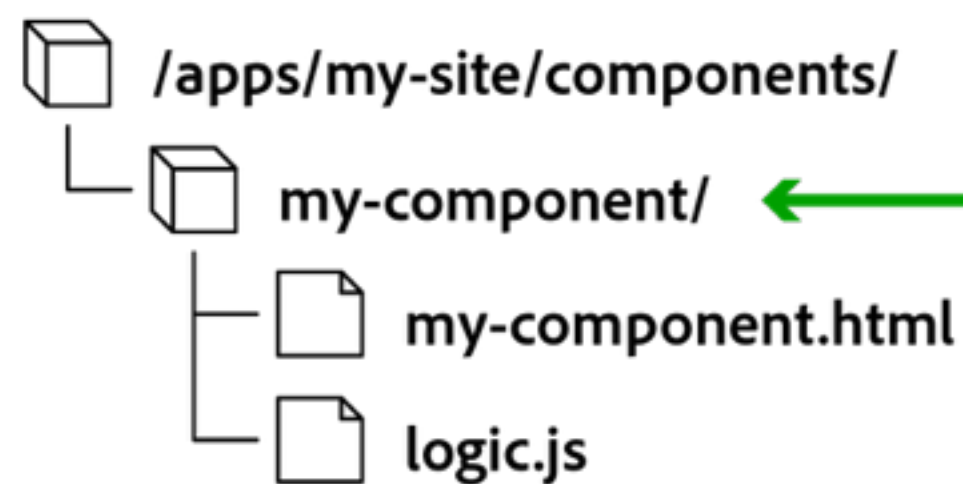
- Coral UI 3

- Sightly Synthetic Resources

Adobe Experience Manager

● DEMO

Adobe Experience Manager

Template Editor
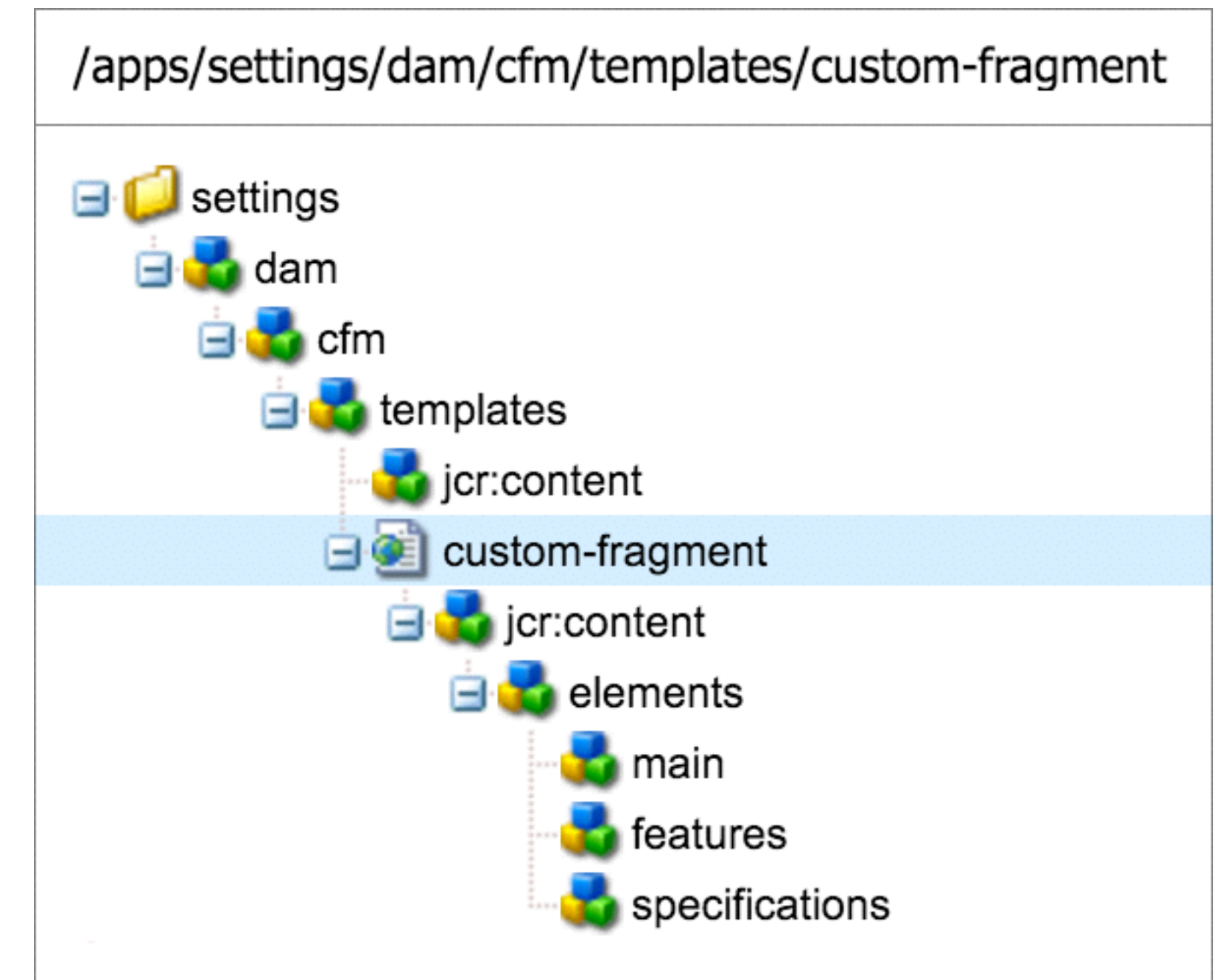
Content Fragments Templates

- Simple node structure defines available elements

- Out-of-the-box templates defined in:
  `/libs/settings/dam/cfm/templates`

- Custom templates can be defined in either:
  `/apps/settings/dam/cfm/templates`
  `/conf/global/settings/dam/cfm/templates`
  `/conf/PROJECT/settings/dam/cfm/templates`

/apps/settings/dam/cfm/templates/custom-fragment

- settings
  - dam
    - cfm
      - templates
        - jcr:content
      - custom-fragment
        - jcr:content
          - elements
            - main
            - features
            - specifications

More on /conf: http://bit.ly/aem-conf

Adobe Experience Manager

Content Fragments API

<<interface>>
ContentFragment

hasElement(String) : boolean
getElement(String) : ContentElement
getElements() : Iterator<ContentElement>
createElement(ElementTemplate) : ContentElement
listAllVariations() : Iterator<VariationDef>
createVariation(String, String, String) : VariationTemplate
getAssociatedContent() : Iterator<Resource>
addAssociatedContent(Resource)
removeAssociatedContent(Resource)
getTitle() : String
setTitle(String)
getDescription() : String
setDescription(String)
getMetaData() : Map<String, Object>
setMetaData(String, Object)
getTemplate : FragmentTemplate

<<interface>>
ContentElement

getVariations() : Iterator<ContentVariation>
getVariation(String) : ContentVariation
createVariation(VariationTemplate) : ContentVariation
removeVariation(String)
getResolvedVariation(String) : ContentVariation
getName()
getTitle()
getContent()
getContentType()
setContent(String, String)

<<interface>>
ContentVariation

getName()
getTitle()
getContent()
getContentType()
setContent(String, String)

Ref: /libs/dam/cfm/components/contentfragment/ContentFragmentUsePojo.java

Adobe Experience Manager

OmniSearch SPI

location   ✕

Location: Assets

Location: Sites

Location: Projects

Location: Mobile →

Location: Products

Location: Offers

Location: Activities

Location: Audiences

Location: Screens

<<interface>>
OmniSearchHandler

getID() : String
getSuggestionQuery(ResourceResolver, String) : Query
getPredicateSuggestions(ResourceResolver, I18n, String) : List<PredicateSuggestion>
getSpellCheckQuery(ResourceResolver, String) : Query
getModuleConfig(ResourceResolver) : Resource
getResults(ResourceResolver, Map<String, Object>, long, long): SearchResult

---
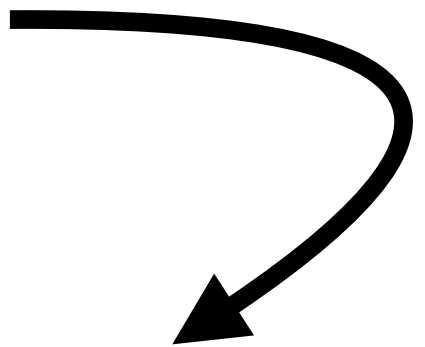
1	cardPath	String	cq/gui/components/projects/admin/omnisearch/card
2	defaultSearchPath	String	/content/projects
3	exclude	String	
4	includeInSuggestions	Boolean	true
5	jcr:created	Date	2016-04-11T11:00:20.833-04:00
6	jcr:createdBy	String	admin
7	jcr:primaryType	Name	sling:Folder
8	jcr:title	String	Projects
9	listItemPath	String	cq/gui/components/projects/admin/omnisearch/listview
10	listOrder	Long	3
11	nodeType	String	cq:Project
12	predicatePath	String	projects/search/facets/projectsearch

Adobe Experience Manager

Coral UI 3

- Custom Elements

- No data-* attributes

- No cui-contentloaded event

- No underlying JS object; the element itself is the object

Coral UI 2 - NumberField

```html
<div class="coral-InputGroup" data-init="numberinput" data-min="0" data-max="10"
    data-default-value="5">
  <span class="coral-InputGroup-button">
    <button class="js-coral-NumberInput-decrementButton coral-Button coral-Button--square"
          type="button" title="Decrement">
      <i class="coral-Icon coral-Icon--sizeXS coral-Icon--minus"></i>
    </button>
  </span>
  <input class="js-coral-NumberInput-input coral-InputGroup-input coral-Textfield"
        type="text"/>
  <span class="coral-InputGroup-button">
    <button class="js-coral-NumberInput-incrementButton coral-Button coral-Button--square"
          type="button" title="Increment">
      <i class="coral-Icon coral-Icon--sizeXS coral-Icon--add"></i>
    </button>
  </span>
</div>
```

Coral UI 3 - NumberField

```
<coral-numberinput min="0" max="10" value="5"/>
```

Granite UI

New CoralUI 3-based

- **Components**: `/libs/granite/ui/components/coral/foundation`

- **Client Library**: `granite.ui.coral.foundation`

Existing CoralUI 2-based remains

- **Components**: `/libs/granite/ui/components/foundation`

- **Client Library**: `granite.ui.foundation`

Granite UI - Layouts

- Moving away from layout concept

- The new components don't use it anymore

- To increase the simplicity of understanding of Granite UI

- Each layout component becomes a standard component

- The layout mechanic itself is still there if needed

Granite UI w/ Layout

```
+ mytabs
  – sling:resourceType = "granite/ui/components/foundation/container"
  + layout
    – sling:resourceType = "granite/ui/components/layouts/tabs"
  + items
    + tab1
      – jcr:title = "Tab 1"
      – sling:resourceType = "granite/ui/components/foundation/container"
    + tab2
      – jcr:title = "Tab 2"
      – sling:resourceType = "granite/ui/components/foundation/container"
```

Adobe Experience Manager

Granite UI w/o Layout

```
+ mytabs
  - sling:resourceType = "granite/ui/components/coral3/foundation/tabs"
  + items
    + tab1
      - jcr:title = "Tab 1"
      - sling:resourceType = "granite/ui/components/foundation/container"
    + tab2
      - jcr:title = "Tab 2"
      - sling:resourceType = "granite/ui/components/foundation/container"
```

Adobe Experience Manager

Thank you!

Questions?

Gabriel Walt

Justin Edelson

Adobe Experience Manager