adaptTo()

EUROPE'S LEADING AEM DEVELOPER CONFERENCE 27th – 29th SEPTEMBER 2021

Future of AEM Core Components Jean-Christophe Kautzmann, Adobe

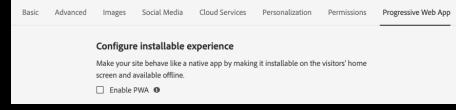


Features released over the last 12 months

- Link Handling
- Dynamic Media support (image)

image modifiers, image presets, and smart crops

PWA support (page)



Accessibility improvements



Features released over the last 12 months

Featured Image (Tech Preview)



Data Layer 2.0.2

Brand Slug (page)

<title>VW Model Lineup - Cars and SUVs | Volkswagen</title> <title>News & amp; Insights | CVS Health</title> <title>Model 3 | Tesla</title> Branding

Brand Slug

Override: Override Val

3



Focus on the new link handler

 Contributed by the community (Stefan Seifert)

Link API:

- Validity: link.isValid()
- URL: link.getURL()
- HTML attributes: link.getHtmlAttributes()
- Link reference: link.getReference()

```
* Check if the link defined for the component is valid.
* @return {@code true} if component has a valid link defined
* @since com.adobe.cg.wcm.core.components.commons.link 1.0.0
default boolean isValid() { return false; }
* @return Link URL or {@code null} if link is invalid
@Nullable
default String getURL() { return null; }
* The mapped URL, which supports mapping and vanity path.
* @return Mapped link URL or {@code null} if link is invalid or no processing can be done
@Nullable
default String getMappedURL() { return null; }
* The externalized URL which also contains the scheme and host information.
* This is usually created with a {@link com.day.cq.commons.Externalizer} service
* @return Full link URL or {@code null} if link is invalid or can't be externalized.
@Nullable
default String getExternalizedURL() { return null; }
* Map with Attributes for HTML Anchor tag for this link.
* but may contain additional attributes like <code>target</code> and others.
* @return {@link Map} with HTML-specific anchor attributes, or an empty map if link is invalid
* @since com.adobe.cq.wcm.core.components.commons.link 1.0.0
@NotNull
default Map<String, String> getHtmlAttributes() { return Collections.emptyMap(); }
* @return Target page or {@code null}
@Nullable
default T getReference() { return null; }
```



The LinkHandler API

The link handler can be adapted from the request

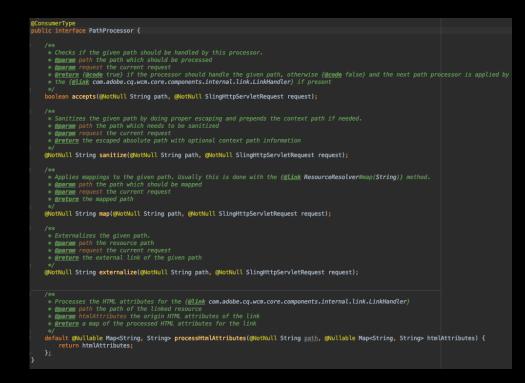
/**
 * Simple implementation for resolving and validating links from model's resources.
 * This is a Sling model that can be injected into other models using the <code>@Self</code> annotation.
 */
@Model(adaptables = SlingHttpServletRequest.class)
public class LinkHandler {

- Usage:
 - linkHandler.getLink(resource)
 - linkHandler.getLink(resource, linkURLPropertyName)
 - linkHandler.getLink(page)
 - linkHandler.getLink(linkURL, target)
 - IinkHandler.getLink(linkURL, target, linkAccessibilityLabel, linkTitleAttribute)



Customizing the link handling

- Customize the handling of links: the PathProcessor
- Customize how the links are sanitized, mapped and externalized
- Customize the HTML attributes





Currently in the making

 Capability to define a featured image at page level, with the image and the teaser components inheriting from this image by default (see upcoming demo).

Extended list component, rendering the items as teasers.





Currently in the making

- Modernized and simplified image markup with srcset attribute
- Native lazy loading with loading="lazy" that no longer relies on component specific javascript.

v<div id="image-f9bb0ec349" data-cmp-data-layer="{"image-f9bb0ec349":{"@type":"core-components-examples/components/image","repo:m odifyDate":"2021-09-01T09:53:31Z"}}" class="cmp-image cq-dd-image" itemscope itemtype="http://schema.org/ImageObject"> = \$0



Currently in the making

Improved SEO capability for the page component

public String getCanonicalLink() {...}

public Map<Locale, String> getAlternateLanguageLinks() {...}

public List<String> getRobotsTags() {...}

 More accessibility improvements after a detailed accessibility review of all the components.

 More consistent building blocks across components on new version: HTML, JSON, data layer, dialogs, etc



What's next?

 Release 3.0.0 with new versions for the page, image, teaser and list components.

 Optimize page and image HTTP cache control headers for improved page performance.



What's next?

New table of content component.

New modal component.

Modernized grid component.

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Configure Dialog		
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Design Dialog		
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Adobe Client Data Layer		

Modal title	ж
Modal body text goes here.	
	Close Save changes





OSEMITE BACKPACKING

WEST COAST CYCLING

WHISTIED MOUNTAIN DIVI







WEST COAST CYCLING S ONCE IN A LIFETIME BI.

AHOE SKIIN

JOIN US FOR THIS ONCE IN A LIFETIME BI... GREAT WEATHER, CRYSTAL CLEAR LAKE W



- Github repo: <u>https://github.com/adobe/aem-core-wcm-components</u>
- Discussions: <u>https://github.com/adobe/aem-core-wcm-components/discussions</u>
- Road map, dev guide, style guide: <u>https://github.com/adobe/aem-core-wcm-components/wiki</u>











Thank you!