



**adaptTo()**

APACHE SLING & FRIENDS TECH MEETUP  
BERLIN, 26-28 SEPTEMBER 2012

**LIGHTNING TALK:  
RESPONSIVE WEBSITE IN CQ5**

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## Stefan Seifert

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**PRO!VISION**  
SOFTWARE CRAFTSMANSHIP



Spezialized on Adobe CQ and it's technology stack since 2003

- We relaunched our Website – two days ago  
<http://www.pro-vision.de/>

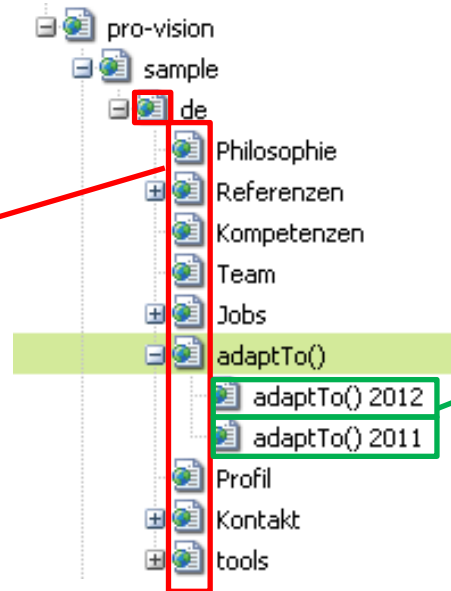
\*) English translation will follow soon...

- Main facts
  - Powered by Sling and CQ5 (of course)
  - One Pager
  - Fully responsive:  
Desktop → Tablets → Smartphones
  - Responsive Images

# One Pager Concept

- Designer devised a One-Pager Concept with Sub-Pages loaded via AJAX
- But in CQ we use single Pages

1st Level Navigation and Homepage assembled into one Single Page (Server-Side Sling Include)



Sub-Pages loaded via AJAX on client-side (on-demand)

## ■ One Pager Aggregation via Sling

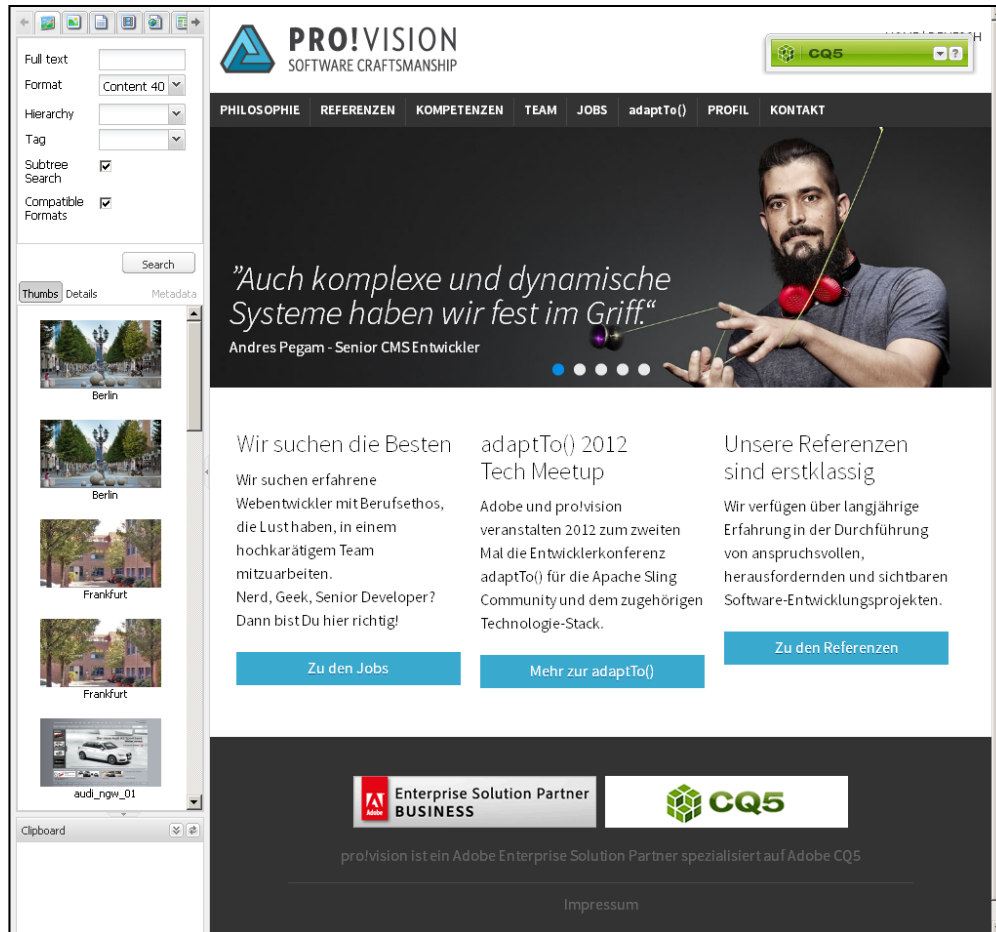
```
<%  
/*  
 * Include content of all mainnav pages within homepage for one-pager navigation.  
*/  
Iterator<Page> mainnavPages = currentPage.listChildren(new PageFilter(false, false));  
while (mainnavPages.hasNext()) {  
    Page mainnavPage = mainnavPages.next();  
    String resourcePath = mainnavPage.getPath() + ".sectioncontent.html";  
%>  
<sling:include path="<%=resourcePath%>" />  
<%  
}  
%>
```

- We developed a sophisticated full-featured Mobile Preview Mode for Responsive Websites in CQ5 Author...

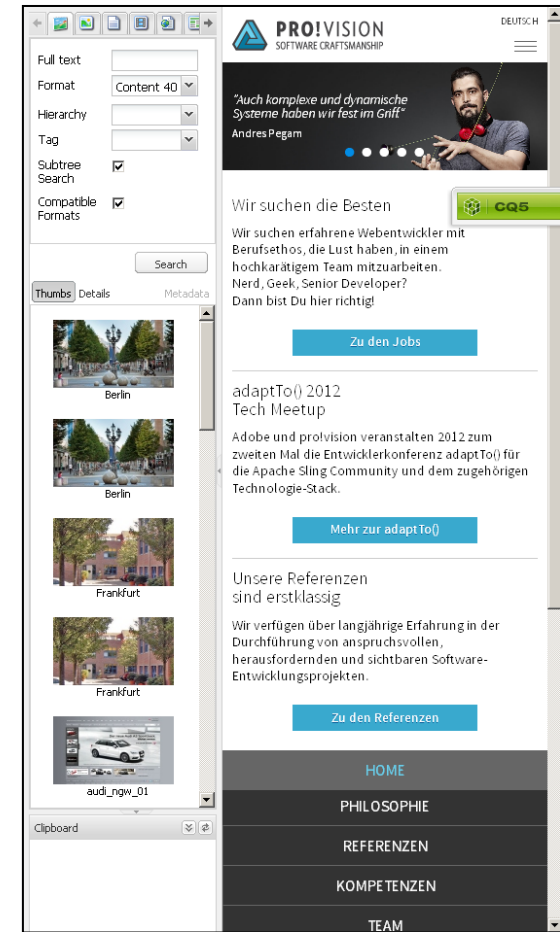


- ... the Browser Resize Handle

## iPad Size



## Mobile Size



## ■ Responsive Images via JavaScript

```
<img src='placeholder_1200x513.png' class='responsive_image'  
  data-variants='[  
    {"src": "team_01_640.jpg", "max-width": 600},  
    {"src": "team_01_2400.jpg", "min-device-pixel-ratio": 1.5},  
    {"src": "team_01_1200.jpg"}  
  ]' />
```

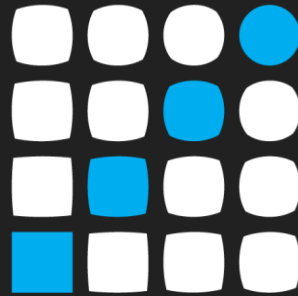
- Supports selection criteria like CSS3 Media Queries
  - min-width
  - max-width
  - min-device-pixel-ratio
  - max-device-pixel-ratio



- Sling Components controls the Responsive Image Markup generation

```
// responsive image
MediaArgs mediaArgs = MediaArgs.mediaFormat("team_1200")
    .setDummyImageUrl("placeholder_1200x513.png")
    .setResponsiveMediaFormats(
        new ResponsiveMediaFormat("team_640").setMaxWidth(600),
        new ResponsiveMediaFormat("team_2400").setMinDevicePixelRatio(1.5)
    )
    .setDisplayResponsivePlaceholder(true);

pParent.addContent(getMediaHandler().getMedia(getResource(), mediaArgs));
```



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**Thank you for your attention!**

**Any questions?**