

**adaptTo()**

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

**LIGHTNING TALK:  
RESPONSIVE WEBSITE IN CQ5**

**Stefan Seifert**

# About the speaker

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**PRO!VISION**  
SOFTWARE CRAFTSMANSHIP



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

# pro!vision Website Relaunch

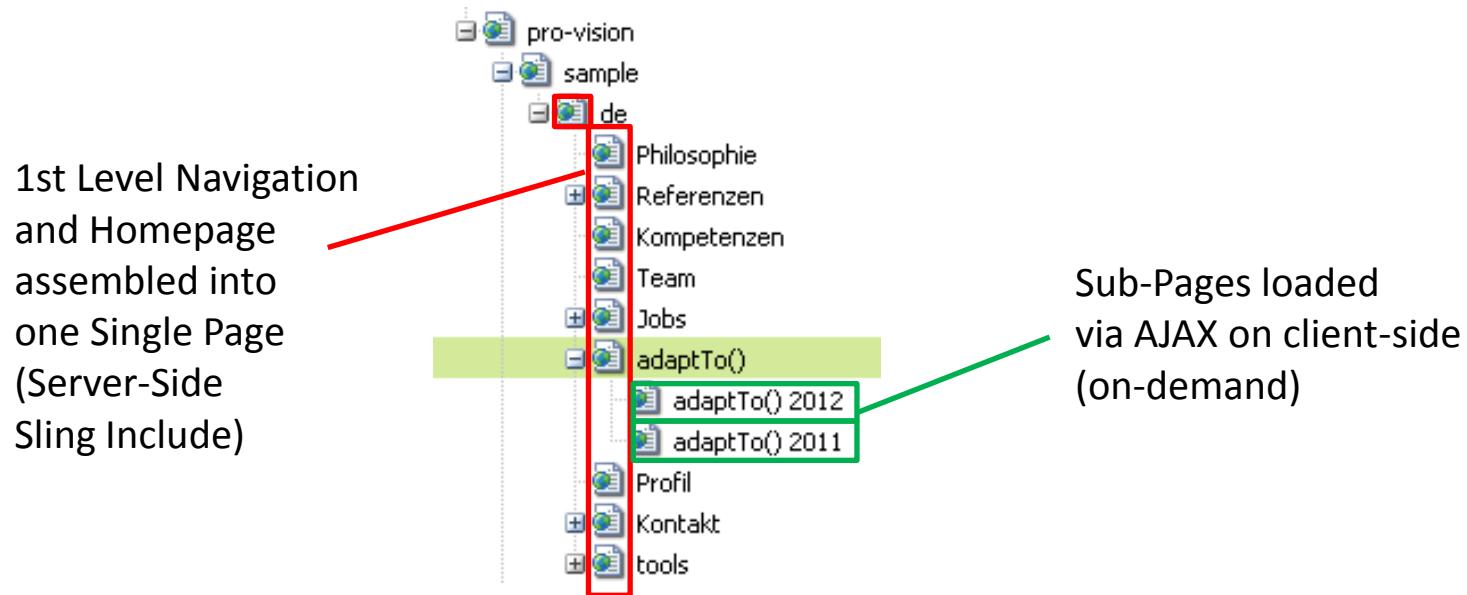
- We relaunched our Website – two days ago  
<http://www.pro-vision.de/>

\*) 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



# One Pager Concept

## ■ 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%>" />
<%
}
%>
```

# Responsive Website Preview

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



- ... the Browser Resize Handle



# Responsive Website Preview

## iPad Size

The screenshot shows a responsive website preview in iPad size. The header features the PRO!VISION logo and navigation links: PHILOSOPHIE, REFERENZEN, KOMPETENZEN, TEAM, JOBS, adaptTo(), PROFIL, and KONTAKT. A large hero image of a man with a beard and red headphones is displayed with the text: "Auch komplexe und dynamische Systeme haben wir fest im Griff". Below the hero image, a testimonial from Andres Pegam - Senior CMS Entwickler is shown. The main content area includes sections for "Wir suchen die Besten", "adaptTo() 2012 Tech Meetup", and "Unsere Referenzen sind erstklassig". At the bottom, there are links to "Zu den Jobs", "Mehr zur adaptTo()", and "Clipboard". The footer contains the CQ5 logo and a note about being an Adobe Enterprise Solution Partner.

## Mobile Size

The screenshot shows the same responsive website preview in mobile size. The hero image and testimonial are present. The main content area has been simplified, showing only the first two sections of the previous screenshot: "Wir suchen die Besten" and "adaptTo() 2012 Tech Meetup". Below these, there is a link to "Mehr zur adaptTo()". The footer includes a "Clipboard" section and navigation links: HOME, PHILOSOPHIE, REFERENZEN, KOMPETENZEN, and TEAM.



# Responsive Image Replacement

## ■ 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



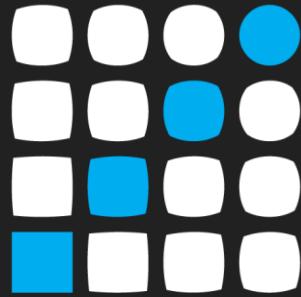
# Responsive Image Replacement

- 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));
```



# adaptTo()

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Thank you for your attention!  
Any questions?