



adaptTo()

EUROPE'S LEADING AEM DEVELOPER CONFERENCE

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React & Angular SPA updates

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SDK updates

Overview:

- React SDK: TypeScript, Remote SPA
- Angular SDK: code splitting / lazy loading
- Core Components for React & Angular + demo
- Archetype updates: XF, SSR, Code splitting, Core Components
- Mavice: VUE SDK from mavice released!
- Style System support

Repository overview: FE

agnostic

Component
Mapping

Page Model
Manager

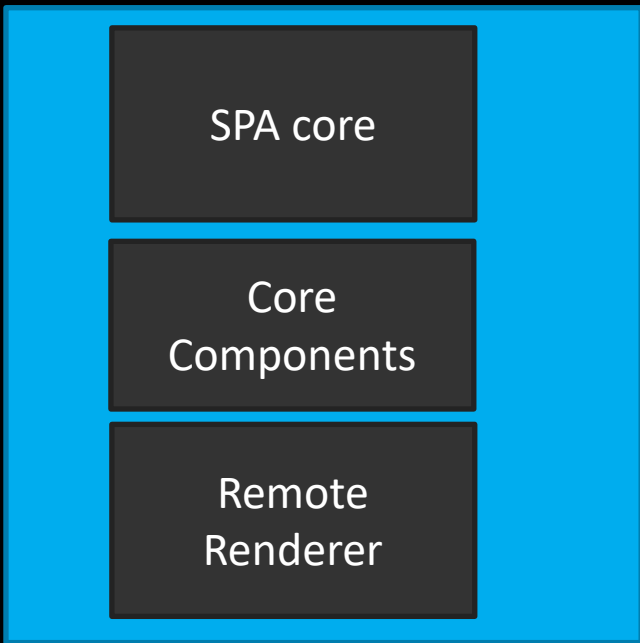
React / Angular

*-editable-
components

aem-*-core-wcm-
components-base

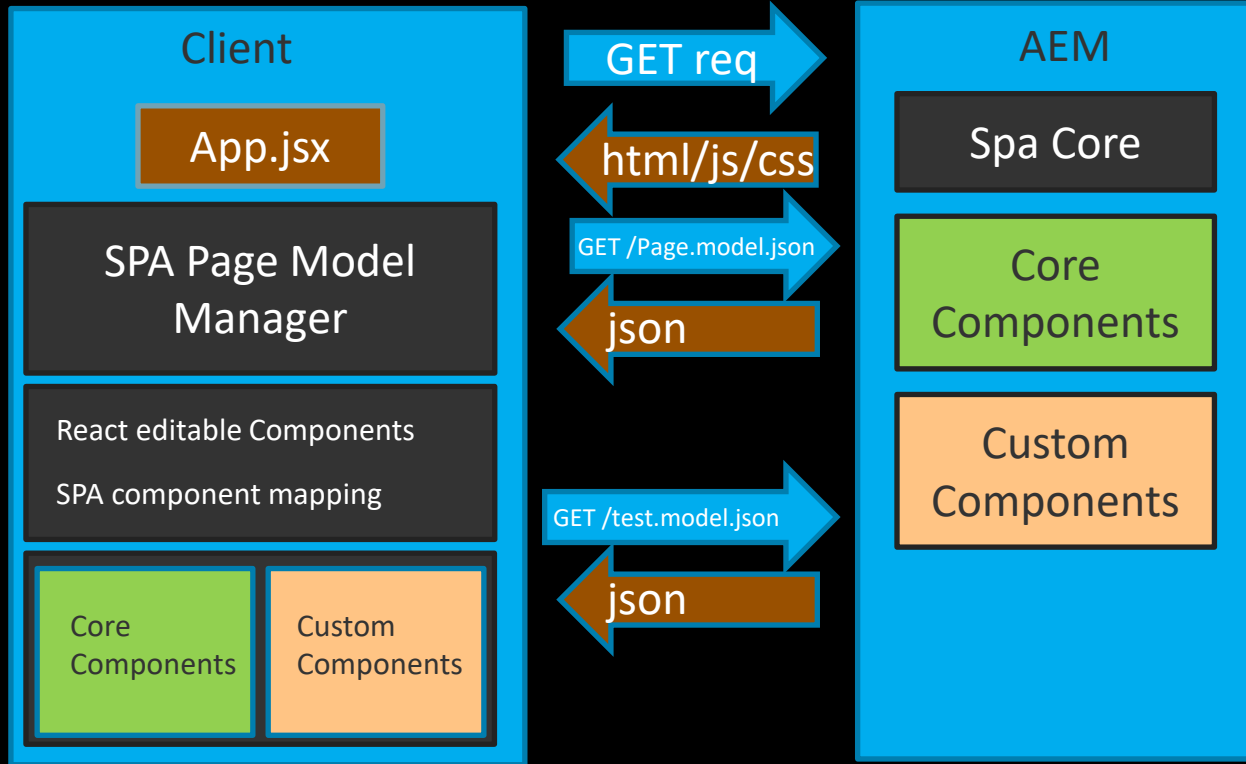
aem-*-core-wcm-
components-spa

Repository overview: BE

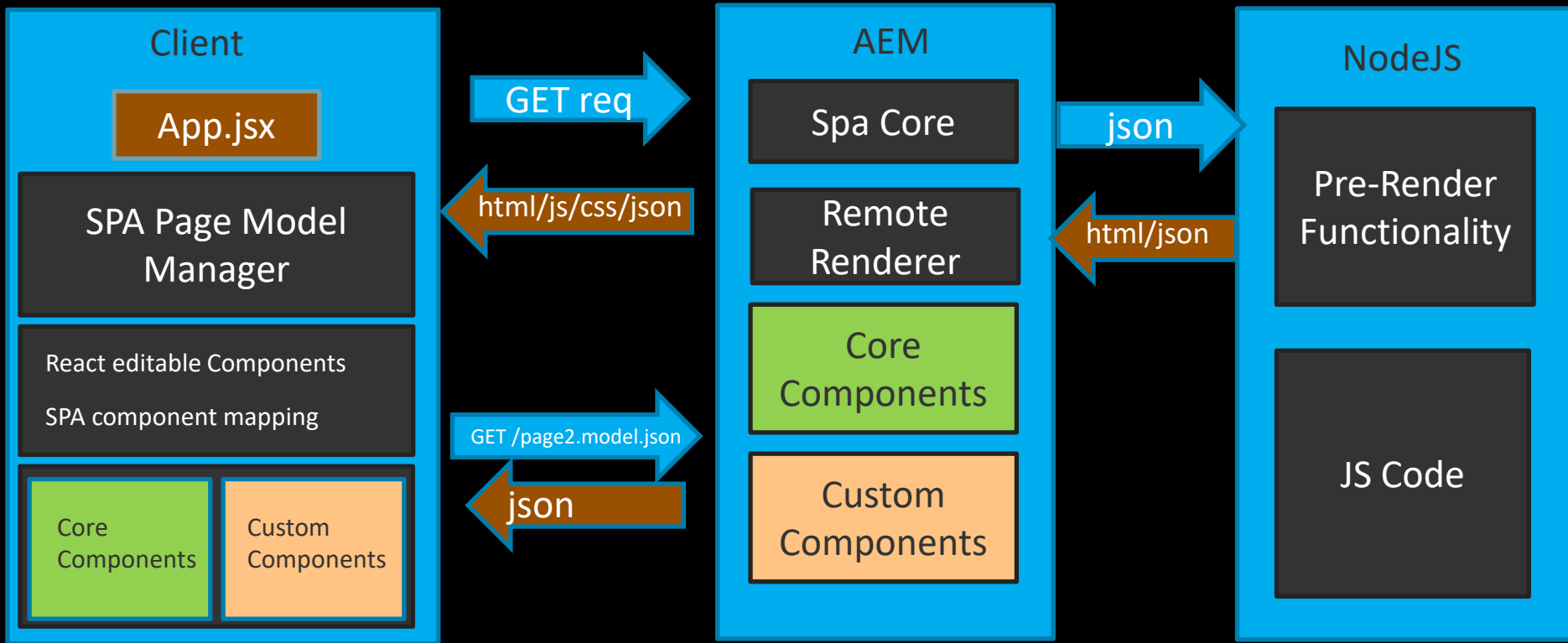


All leverage Sling Model Exporters heavily.

Flowchart SPA editor 1.0 : CSR



Flowchart SPA editor 1.0 : SSR



- Normal way:

```
import {MyComponent} from './my/component;'  
MapTo('./my/component')(MyComponent, {isEmpty: isEmptyFn});
```

- Lazy way:

```
LazyMapTo('./my/component')(() => import('./my/component').then((module)  
=> module.MyComponent), {isEmpty: isEmptyFn});
```


Angular – LazyLoading - requirements

- Angular 9+
- Ivy enabled
- Not importing the module in the main @NgModule

- SPA - Hosted outside of AEM
- Can be express, NextJS, etc.
- Designated editable area's
- Routing handled by App

Core components

- View layer (replaces HTL)
- Subset of components based on aemcomponents.dev
- Uses Sling Model Exporters
- Provides view layer
- Contributions welcome 😊

Demo

Archetype updates

- Core Components
- Experience Fragments OOTB
- LazyLoading using Universal Component
 - Code splitted using webpack
- SSR using IO Runtime
- SSR using Express

- Experience Fragments OOTB
- Core Components
- LazyLoading example
 - Code splitted with ivy compiler
- SSR using express

- Improved `ui.content` in archetype
- React 18 & `React.Lazy()` to replace universal

Ideas for contribution

- Datalayer (somebody contribute? 😊)
 - Make sure it doesn't break SSR!
- Better npm build / watch scripts
 - Nodemon? AEMPack?

Credits / shoutouts

- [Daniel Gordon](#) – tutorials
- [Zoran Nikolovski](#) – IO Runtime archetype
- [Mavice](#) – VUE SDK
- [Hanish Bansal](#) – core team
- [Sharanya Vinod](#) – core team
- [Mahidhar Chaluvadi](#) – style system PR

References – how - to

- <https://github.com/adobe/aem-react-core-wcm-components-examples> (react showcase)
- <https://github.com/adobe/aem-angular-core-wcm-components-examples> (angular showcase)
- <https://www.youtube.com/watch?v=Wn6pz5TI4Kc> (archetype demo with React SSR)
- <https://www.youtube.com/watch?v=sTexwqO4udM> (in-depth video about React SSR with IO runtime)
- <https://www.youtube.com/watch?v=HTOmIXUm4-o> (in-depth video about Angular SSR with express)
- <https://github.com/niekraaijmakers/aem-spa-editor-errorpages-example> (acs aem commons errorpages)
- <https://helpx.adobe.com/au/experience-manager/kt/sites/using/getting-started-spa-wknd-tutorial-develop.html>

References – repositories

- <https://github.com/adobe/aem-spa-project-core> (sling)
- <https://github.com/adobe/aem-spa-component-mapping>
- <https://github.com/adobe/aem-spa-page-model-manager>

- <https://github.com/adobe/aem-react-editable-components>
- <https://github.com/adobe/aem-angular-editable-components>
- <https://github.com/mavicellc/aem-vue-editable-components>

- <https://github.com/adobe/aem-react-core-wcm-components-examples> (showcase)
- <https://github.com/adobe/aem-react-core-wcm-components-base> (standalone + spa editor)
- <https://github.com/adobe/aem-react-core-wcm-components-spa> (spa editor only)

- <https://github.com/adobe/aem-angular-core-wcm-components-examples> (showcase)
- <https://github.com/adobe/aem-angular-core-wcm-components-base> (standalone + spa editor)
- <https://github.com/adobe/aem-angular-core-wcm-components-spa> (spa editor only)

- <https://github.com/adobe/aem-project-archetype>

Questions!

- ...