COREMEDIA HUBS

Extend CoreMedia with Custom Business Logic and System Integration
IMPLEMENTING COREMEDIA

Instead of “customizing CoreMedia CMS”...
IMPLEMENTING COREMEDIA

...you rather *integrate* CoreMedia into your [client’s] system landscape
AGENDA

> Recap: Extensions as Services

> Hub Architecture

> Remoting a Hub API

> Example: Content Hub

> Wrap-up
BLUEPRINT EXTENSIONS

ARE SO LAST YEAR!
RECAP: EXTENDING COREMEDIA APPLICATIONS

Extend all CoreMedia apps that interact with the external system

- cae
  - my-cae-extension
- studio-server
  - my-studio-lib-extension
- studio-client
  - my-studio-plugin
- feeder
  - my-feeder-extension
- server
  - my-content-type-extension

my-system-integration-adapter

some-system

LAST YEAR
“Connectors for specific use cases could be provided by the product”
ENTER: COREMEDIA HUBS!
CLASSIC: EXTENDING APPLICATIONS
Extend all CoreMedia apps that interact with the external system

- cae
  - my-cae-extension

- studio-server
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- feeder
  - my-feeder-extension

- server
  - my-content-type-extension

- my-system-integration-adapter

- some-system
HUBS: JUST IMPLEMENT AN API
...and let CoreMedia Apps do the heavy lifting!

my-system-integration-adapter

some-system

some-hub-service

some-hub-api

some-hub-cae-client

some-hub-studio-lib-client

some-hub-studio-plugin

some-hub-feeder-client

some-hub-content-types

some-hub-studio-plugin
HUBS: JUST IMPLEMENT AN API
CONNECTORS

Connectors for specific use cases could be provided by the product.

Examples of such “specific use cases”:

> integrating assets from 3rd-party systems
> fetching analytics data
> integrating marketing tools
> integrating commerce systems!
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> integrating assets from 3rd-party systems

> fetching analytics data

> integrating marketing tools

> integrating commerce systems!
REMOTING THE HUB SPI

SPI implementation can easily be converted to Microservices
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SPI implementation can easily be converted to Microservices
## HUB OVERVIEW

### Classification of CoreMedia Hubs

<table>
<thead>
<tr>
<th></th>
<th>Studio</th>
<th>CAE</th>
<th>Feeder</th>
<th>Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commerce Hub</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Content Hub</td>
<td>✓</td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experience Feedback Hub</td>
<td>✓</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HUBS IN DETAIL

Later today...

> Commerce Hub 14:00 by Moritz Kleine
> Experience Feedback Hub 17:00 by Sigrid Werner
> Content Hub used as example now
EXAMPLE: CONTENT HUB

Integrations

- Canto Cumulus
- Cloudinary
- Dropbox
- Promotions
- RSS Feeds
- S3 Buckets
- Salesforce Marketing Cloud
- Shared Folders
- YouTube
EXAMPLE: CONTENT HUB

Browse external categories and items

<table>
<thead>
<tr>
<th>Type</th>
<th>Name</th>
<th>Size</th>
<th>Last Modified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Picture</td>
<td>1495540A1A93C87</td>
<td>2.19 MB</td>
<td>2018/05/16 3:00 PM</td>
</tr>
<tr>
<td>Picture</td>
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<td>259.89 kB</td>
<td>2018/05/29 2:44 PM</td>
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<tr>
<td>Picture</td>
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<td>112 kB</td>
<td>2018/05/29 2:44 PM</td>
</tr>
<tr>
<td>Picture</td>
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<td>2018/05/29 2:44 PM</td>
</tr>
<tr>
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<td>sample</td>
<td>107.1 kB</td>
<td>2018/03/07 1:09 PM</td>
</tr>
<tr>
<td>Picture</td>
<td>wallhaven-369730</td>
<td>278.21 kB</td>
<td>2018/04/23 3:23 PM</td>
</tr>
</tbody>
</table>

Metadata

- Name: sample
- Size: 107.1 kB
- Last Modified: 2018/03/07 1:09 PM
- Width: 864
- Format: .jpg
- Folder: pictures
- Height: 576
EXAMPLE: CONTENT HUB
Import Cloudinary Picture as new CMS Picture
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Import Cloudinary Picture as new CMS Picture
CONTENT HUB: API OVERVIEW

> Studio Library integration:

  > Provide an *entity* tree with *category* nodes and *item* leaves
  > Provide *icon* and *label* for each entity
  > Provide *columns* with *values* for each item

> Provide *HTML preview* and *metadata* of an item

> Specify *Content type* and *properties* of Content to create from an item
CONTENT HUB: API OVERVIEW

CAE integration:

> Import external BLOBs as reference only

> CAE provides FreeMarker access to external BLOB URLs

> Customize via Frontend Workspace only, no Content Bean changes
COREMEDIA LABS PROJECT
CoreMedia Content Hub aka Studio Hub

https://github.com/CoreMedia/coremedia-studio-hub

CoreMedia Content Hub

Index

- Configuration
- Content Creation
- Content Push
- Metadata Resolvers
- Search
- Studio Customization
- Tutorial
COREMEDIA HUBS

Wrap Up
WRAP UP: INTEGRATING COREMEDIA

What is improved by CoreMedia Hubs?

> Focus on software systems you want to integrate, not on CoreMedia

> To integrate your software systems
  > configure a specific CoreMedia Hub implementation
  > implement a specific CoreMedia Hub API

> ...and all affected CoreMedia Apps automatically “do what you want”!
THANK YOU!

Your questions?

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Software Architect

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