

Building an extensible Contentful

Contentful Community Meetup

Amsterdam, 21 May 2019







Extensible Platform

- UI Extensions
- Webhooks
- Apps (alpha)

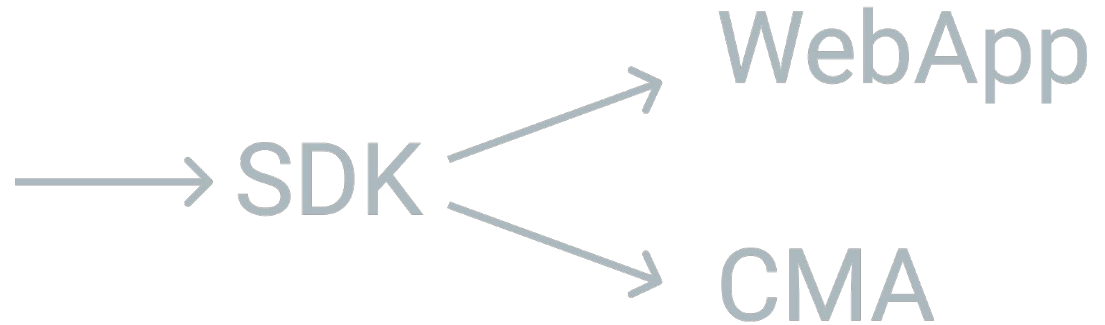


Agenda

- UI Extensions. What can you extend nowadays?
- Building UI Extensions with create-contentful-extension
- What's next?



UI Extension





What can you extend nowadays?

Become a partner

Replace one field of an entry.

get-started

Slug for the landing page.

Meta: Include 'noindex, nofollow' (required)

☐ Yes ☒ No [Clear](#)

Whether or not this page should be indexed by Google / other crawlers.

Meta: Page Title (required)

Become a Partner

16 characters

Requires less than 256 characters

STATUS

● **Status:** Published (pending changes)

Last saved 12/13/2018

PREVIEW

[Open preview](#)

Platform: Quirely Previews

Change

LINKS

No other entries link to this entry.

TRANSLATION

Multiple locales ▾

en-US

Change

VERSIONS

12/04/2018

PUBLISHED

Field Extensions

- [Image Uploader](#)
- [Developing an Apple Music search into Contentful using UI extensions](#)



Requires less than 256 characters

Replace the sidebar context (parts or all) of an entry.

Sidebar Extensions

- [Basic approval workflows](#)
- [Gatsby Preview](#)
- [AI Image Management](#)



[Production] Contentful

ALPHA

Info

anges)

Changes

Change

Multiple locales

PUBLISHED

Dialog Extensions

Float over the user interface and can be opened from other extensions.

Internal
Becom

Internal
Page: 6
34 chara

Slug Pre
partne

Slug (re
get-sta

Slug for

Meta: In
☐ Yes
Whethe

Meta: Pa
Becom

16 characters

Requires less than 256 characters

12/04/2018



title
My post
7 characters
Requires less than 256 characters

images




Select images in Bynder


Interaction heavy UI where the user needs the full browser canvas


Browse content in third-party system (Digital Asset Management)





 [Production] Contentful


Marketing Website


 master




 Space home


 Content model


 Content



 Media

 Apps

ALPHA

 Settings



  Page: Become Partner (Get started) ?

Actions

Info

Entry Editor Extensions

Replace all fields of an entry.

STATUS

Status: Published (pending changes)

Publish changes

Last saved 12/13/2018

PREVIEW

Open preview

Platform: Quirely Previews [Change](#)

LINKS

No other entries link to this entry.

TRANSLATION

Multiple locales

en-US

[Change](#)

VERSIONS

12/04/2018

PUBLISHED



Updates in ui-extension-sdk

Over 10 new methods and properties...

- `sdk.space.getEditorInterface`
- `sdk.space.getUsers`
- `sdk.dialogs.openExtension`
- `sdk.dialogs.openAlert`
- `sdk.dialogs.openConfirm`
- `sdk.dialogs.openPrompt`
- `sdk.navigator.openEntry`
- `sdk.navigator.openAsset`
- `sdk.notifier.success`
- `sdk.notifier.error`
- `sdk.ids`
- `etc...`



... and TypeScript definitions

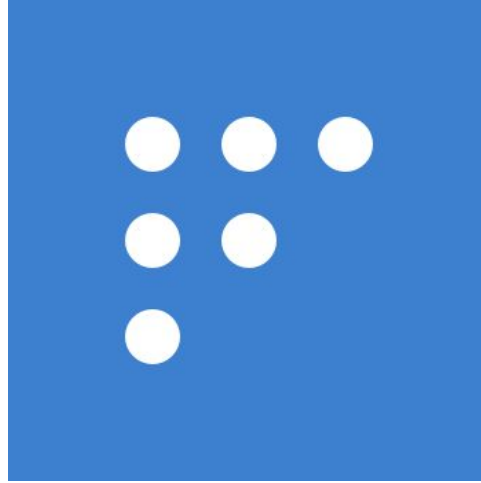


contentful





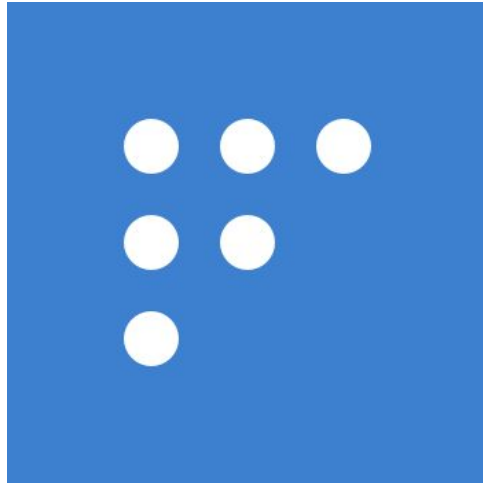
A new Design System and React components library



Forma 36

The Contentful Design System





Forma 36
The Contentful Design System

Problems

- I want to develop UI Extensions using modern web stack without spending too much time with configuration
- I want to use Forma 36 Design System to provide native Contentful look and feel in my extensions
- I want to see my changes instantly without page reload



create-contentful-extension

Build UI extensions without the hassle of managing build configurations.

Demo



```
npx @contentful/create-contentful-extension amsterdam-extension
```





What's next?

Apps

Optimizely Experiments

Google Analytics Overview

Page Extensions

Replaces everything below the main navigation. Page extensions are opened through a route and can hook into the navigation.

Apps consist of multiple page extensions (e.g. installation, configuration, results, uninstallation)

Extend the platform and integrate with services you're using by adding apps.



Alpha feature

This is an experimental alpha feature. We are heavily iterating on it based on your feedback. Apps might stop working or get removed without notice so it's recommended to not use apps in production. For more information [visit our documentation](#).



Apps enabled

[Give feedback](#)

Available



Netlify

[Free!](#)

Install



Algolia

[Free!](#)

Install



AI image management

[Free!](#)

Install



Basic approval workflow


[Free!](#)

Install





Optimizely





 [Production] Contentful
Marketing Website
master


≡

 Space home


 Content model

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 Apps

ALPHA

 Settings

▼



 Content ?

Content type **Multipage: Marketo Land** ▼ Type to search for entries



Filter

[Save as view](#)

Add entry ▼

Shared views My views

All

STATUS (4)   ▼

Published

Changed

Draft

Archived

CONTENT TYPE (85) ▼


Blog: Entry

Blog: Author


Customers: Homepage Card

Multipage: Salesforce Landing Pa...


Multipage: Benefit

 [Add folder](#)

8 entries found


<input type="checkbox"/> Name	Updated ▼	Author	Status	
<input type="checkbox"/> Page: Become Partner (Get started)	12/13/2018	Esa McGavin	UPDATED	
<input type="checkbox"/> Marketo Testing: mktoForm_1302	11/29/2018	Jani Komulainen	DRAFT	
<div>Content List Extensions</div> <div>Replaces list items in the content list. Maybe read-only access.</div>				
<input type="checkbox"/> Demandbase Testing: Content Form	11/28/2018	Jani Komulainen	DRAFT	
<input type="checkbox"/> Demandbase Testing: Contact Partner	11/28/2018	Jani Komulainen	DRAFT	
<input type="checkbox"/> Page: Become Partner	09/25/2018		PUBLISHED	
<input type="checkbox"/> Page: Contact Sales	09/25/2018		PUBLISHED	





 [Production] Contentful


Marketing Website


master




 Space home


 Content model


 Content



 Media

 Apps

ALPHA

 Settings



  Page: Customers ?

Actions


Info


Case Studies (required)

Customers: Homepage Card

ARD

PUBLISHED







Customers: Homepage Card

Reference List Extensions - Replaces parts of reference lists.

PUBLISHED







Customers: Homepage Card

Trunk Club (Nordstrom)

PUBLISHED







Customers: Homepage Card

TELUS Digital

CHANGED







Customers: Homepage Card

WeWork

PUBLISHED







Customers: Homepage Card

Spotify Artists

PUBLISHED







Customers: Homepage Card

Xoom (PayPal)

PUBLISHED





STATUS

Status: Published

Change status

Last saved 03/13/2019

PREVIEW

Open preview

Platform: Quirely Previews [Change](#)

LINKS

No other entries link to this entry.

TRANSLATION

Multiple locales

en-US

[Change](#)

VERSIONS

03/13/2019

CURRENT





Good afternoon, Alexander.

What will you build today?

Get started with content creation in your space or get [SDKs](#), [tools](#) & [tutorials](#) below.



Space Home Extensions

Replace widgets on Space home to provide meaningful overview for your users.



Resources

- [Locations and types - Contentful](#)
- [Command Line Tools - Contentful](#)
- [contentful/create-contentful-extension](#)
- [contentful/forma-36](#)
- [Marketplace - Contentful](#)



The future is extensible ❤️