Tomorrow's CMS can provide increased accessibility

Peter Sunna





Complex

Emergent

Probe → Sense → Respond.

Complicated

Good Practise

Sense → Analyse → Respond.

Chaotic

Novel

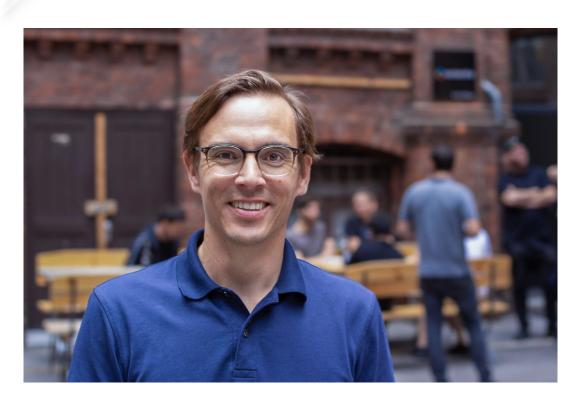
Act → Sense → Respond.

Simple

Best Practise

Sense → Categorise → Respond.

Peter Sunna



15 years in Content Management

Previously worked at Funka & Episerver.

Joined Contentful in Berlin 2015 to modernize how content flows when building and iterating on digital products

@sunnaster



Agile principles in the complex quadrant

People

Comfortable with experimentation and change

Processes

Iterative and enhance learning.

Technology

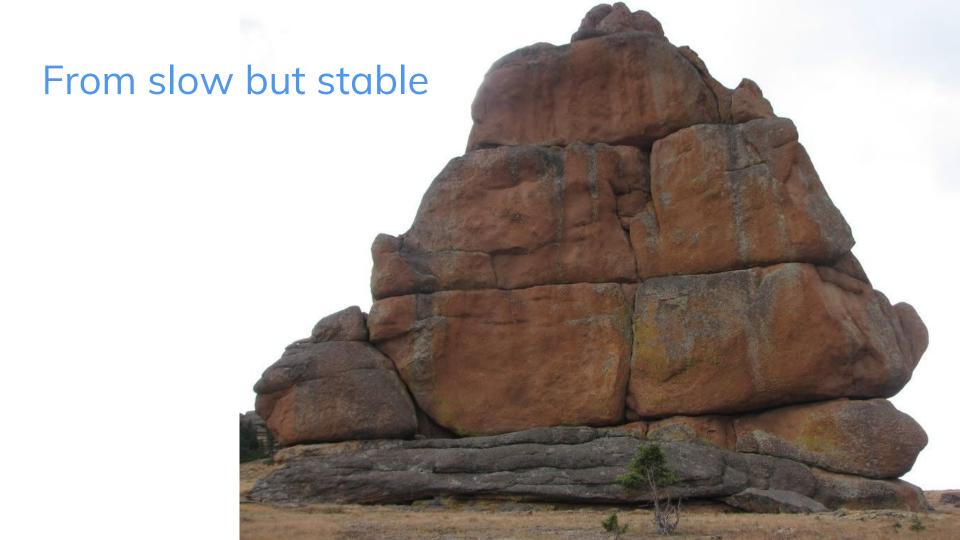
Support rapid delivery of products and services.



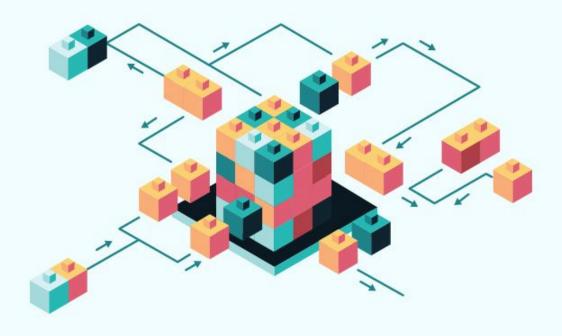
Innovation is so complex it requires multiple specialists to work together. Highly skilled people on a mission.







To fast and flexible



From this

Standardised platforms and technologies



To this

Simple tools for simple problems and complex tools for complex problems



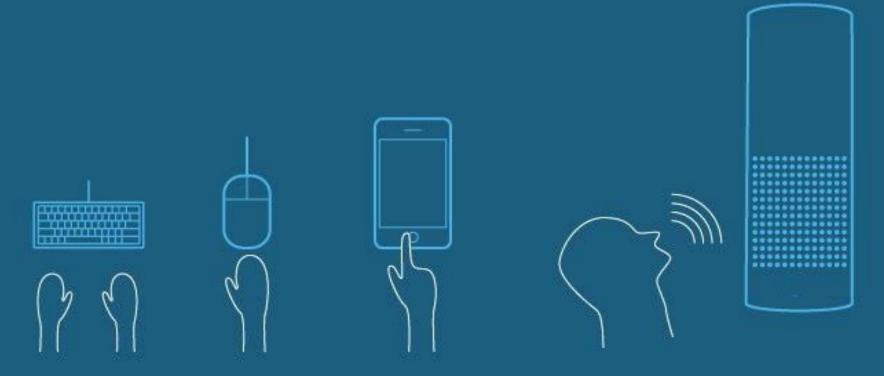








Content needs to be structured





collection of articles

Automate with webhooks content type: blogpost

content type: blogpost

John Doe

<u>Home</u> Blog



Recent articles

. .



Static sites are great

May 15th, 2017

Worry less about security, caching, and talking to the server. Static sites are the new thing.



Hello world

May 14th, 2017

Your very first content with Contentful, pulled in JSON format using the Content Delivery API.

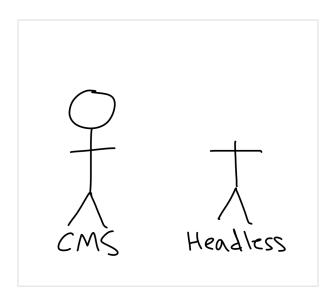


Automate with webhooks

May 11th, 2017

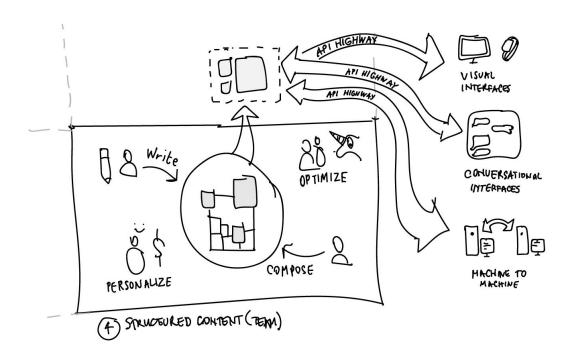
Webhooks notify you, another person or system when resources have changed by calling a given HTTP endpoint.

Headless CMS. What is it, really?





Headless CMS is all about structured content





The misconception about headless CMS



Headless CMS overview



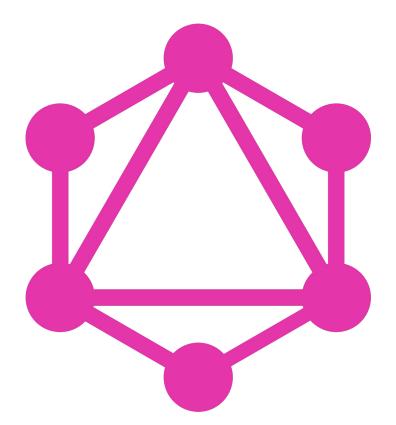
Structured content using an API

```
export const ContentfulModels: ContentfulMap = {
 Metadata: {
   metaName: { path: ['fields', 'metaName'] },
   propertyName: { path: ['fields', 'propertyName'] },
   propertyValue: { path: ['fields', 'propertyValue'] },
   valueName: { path: ['fields', 'valueName'] },
   page: {
     path: ['fields', 'page'],
     modelType: ContentfulModelType.ActionPage
   value: { path: ['fields', 'value'] }
 Menu: {
   contentId: { path: ['sys', 'id'] },
   title: { path: ['fields', 'menuTitle'] },
   pathComponent: { path: ['fields', 'pathComponent'] },
   pathAlias: { path: ['fields', 'pathAlias'] },
   menuType: { path: ['fields', 'menuType'] },
   type: { path: ['fields', 'type'] },
   subMenu: {
     path: ['fields', 'submenu'],
     isArray: true,
     modelType: ContentfulModelType.Menu
   description: { path: ['fields', 'description'] },
   metadata: {
     path: ['fields', 'metadata'],
     isArray: true,
     modelType: ContentfulModelType.Metadata
   oldUrl: { path: ['fields', 'oldUrl'] }
```

```
"contentId": "7915xnUBzimYvsISOiMYA8",
"title": "Viasat",
"pageTitle": "Viasat - tv, play, bredband",
"description": "Med Viasat får du tv-underhållning ...",
"pathComponent": null.
"pathAlias": null.
"menuType": "public",
"type": "content",
"subMenu": [
        "contentId": "BfVup2juFMaIEEaMwASG8",
        "title": "Utbud",
        "pageTitle": "Tv-kanaler & ...",
        "description": null,
        "pathComponent": "utbud",
        "pathAlias": null,
        "menuType": "public",
        "type": "content",
        "subMenu": [
                "contentId": "2uT6ua91GMcO42k4sECM2U",
                "title": "Tv & Plav",
                "pageTitle": null,
                "description": null,
                "pathComponent": "tv",
                "pathAlias": null,
                "menuType": "public",
                "type": "content",
                "subMenu": [].
                "oldUrl": null
        "oldUrl": null
```

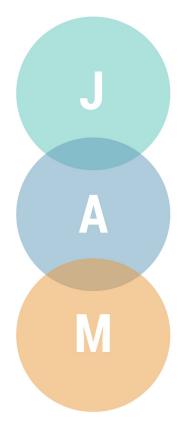


GraphQL gives even more possibilities



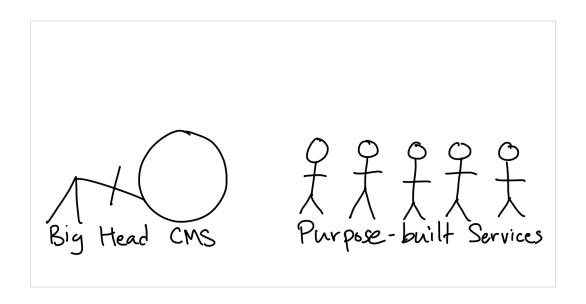


Pick your own stack





A CMS should not try to do everything





But it should do content really well

Old



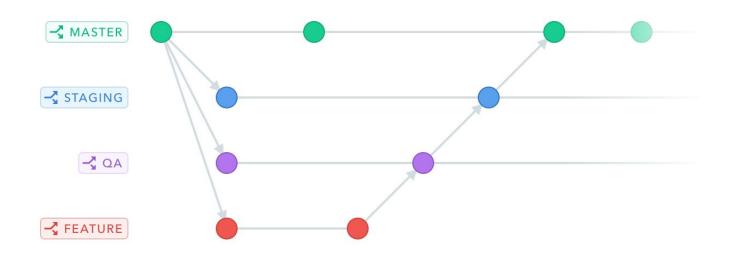
Customization

New



Interoperability

A CMS should fit into modern development workflows



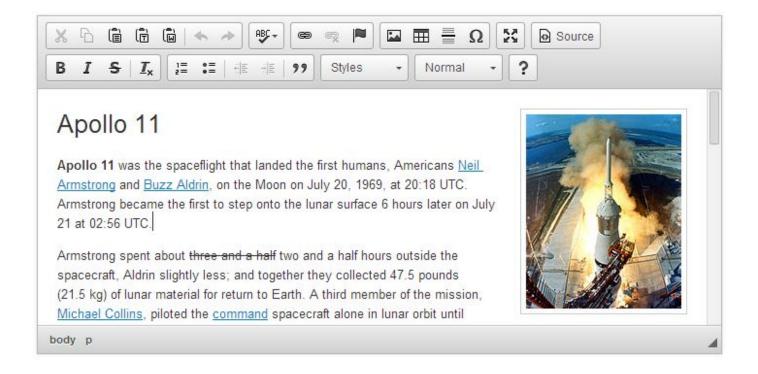


How can a CMS empower editors to work with structured content?



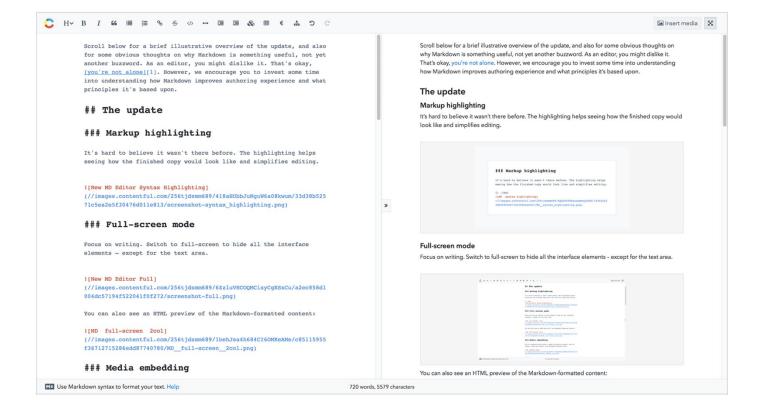


WYSIWYG editor?



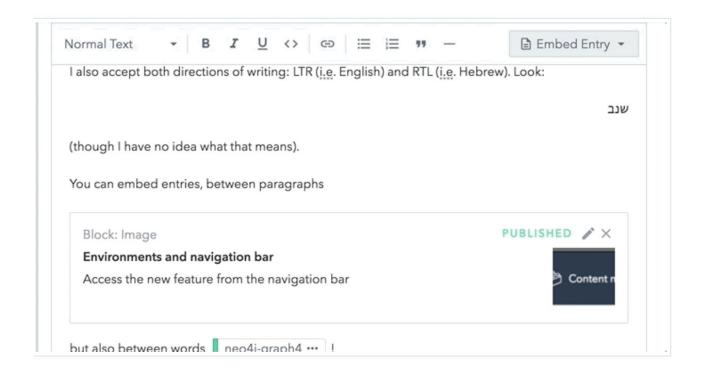


Markdown?





Structured rich text!





Structured rich text!

```
data: {
 target: {
   sys: {
     id: "3v7XvVk8ZyQww8WsS2ocou",
     type: "Link",
     linkType: "Entry"
content: [
   marks: [],
   value: "",
   nodeType: "text"
 nodeType: "embedded-entry-inline"
```



How can the CMS UI provide better a11y?







Sometimes the only way to really know...



Thank you!

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