



# Contentta

Makes your content happy

A community driven API-First distribution



## MATEU AGUILÓ BOSCH

DECOUPLING NERD

I like building API-First and decoupled software:

- Drupal modules
- Drupal distributions
- Websites
- Chatbots
- Conversational interfaces
- Mobile applications

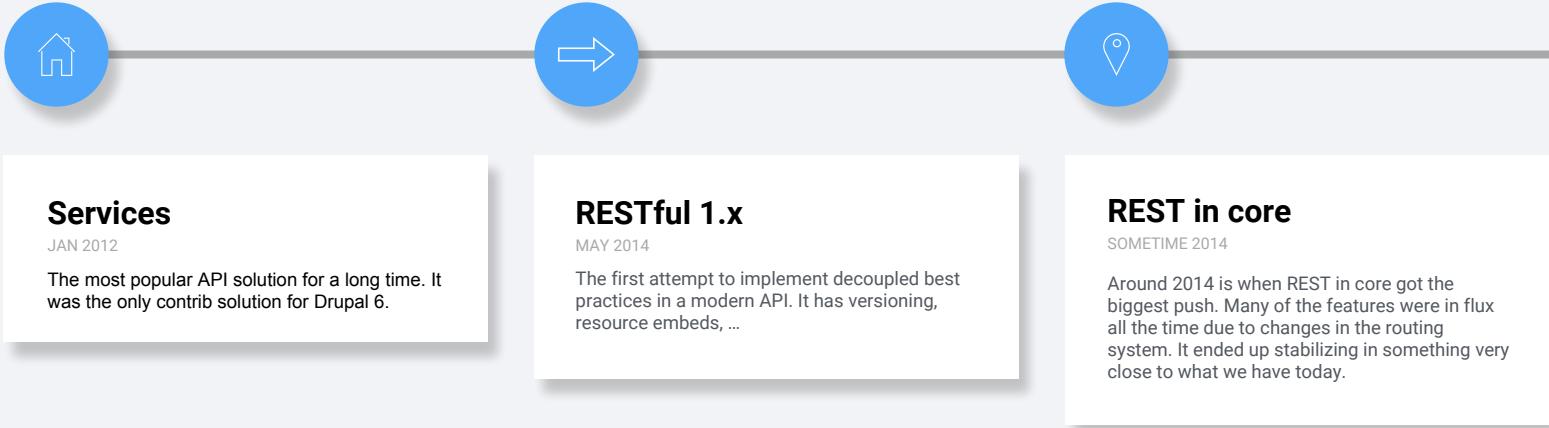
# DISCLAIMER

The slides contain a lot of text so people at home can get the full context just by reading the slides. Do not try to read the text during the presentation.

# DECOUPLED DRUPAL

# THE DRUPAL JOURNEY TOWARDS DECOUPLING

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# THE DRUPAL JOURNEY TOWARDS DECOUPLING

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## RESTful 2.x

JULY 2015

The second iteration of RESTful addressed the shortcomings of RESTful 1.x by providing more control to consumers, improving performance, better DX, ... Introduces JSON API in D7.

It may be the richest feature set to the date.

## JSON API

MAY 2016

The JSON API project starts as a response to the need to use modern techniques for Drupal 8. It started as RESTful 3.x.

## Contenta CMS

MAY 2017

Coinciding with the first stable release of JSON API.

# MEET OUR TEAM

# MEET OUR TEAM

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**CRISTINA CHUMILLAS**  
DOTS JOINER

UX and design gurú. She makes sure that things make actual sense. Without her the world is ugly.

@ckrina



**SALLY YOUNG**  
LOVELY SLYTHERIN

Passionate about all things JavaScript. Without her there would only be JSON.

@justafish



**DANIEL WEHNER**  
WANNABE SCIENTIST

Machine learner and fast mover. Without him we would be at WordCamp.

@dawehner



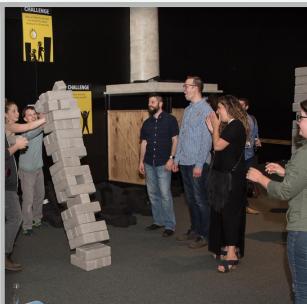
**MATEU AGUILÓ BOSCH**  
ISLANDER

Obsessed with decoupling best practices. Without him you would do many requests..

@e0ipso

# THE REST OF THE TEAM

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# OUR MISSION

# MISSION OF CONTENTA CMS



## Forget about Drupal

Contenta CMS comes with a default set up ready to start creating your content model and your content.



## Ready to try decoupled Drupal

It comes with demo content to make it easy to evaluate decoupled Drupal. Revert to a clean state after, in one click.



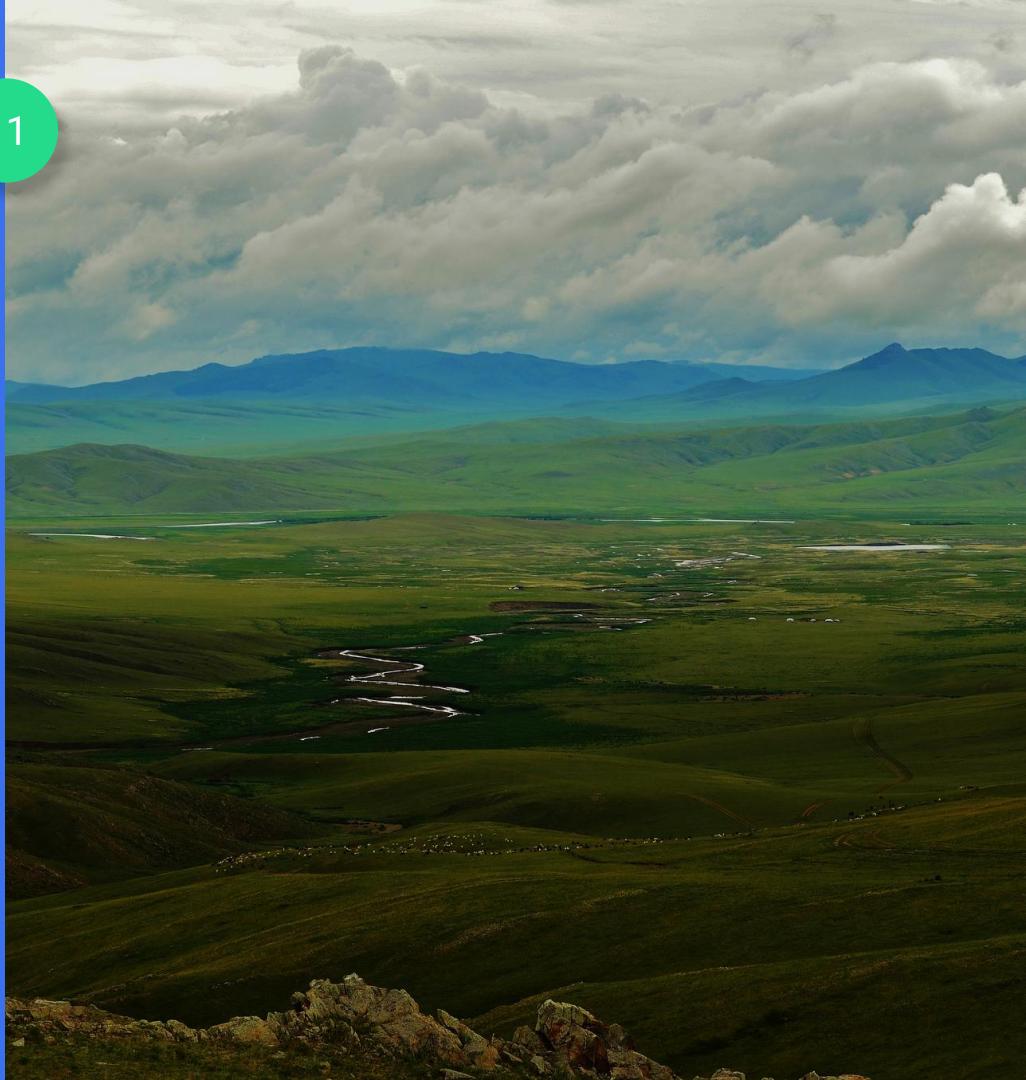
## Find all the docs

Do you have troubles finding documentation for one of the pieces? We provide a *Knowledge Hub* to point you there.



## Industry ready

Contenta CMS is build by people with extensive experience in real decoupled projects. We know what you will need.



# FORGET ABOUT DRUPAL



## ONE COMMAND INSTALLATION PROCESS

You don't need to know about Drupal development to install Drupal. In fact, Contenta CMS comes with a fantastic installer that requires minimal effort.

<https://www.youtube.com/watch?v=MOQ0gd7uEWU>



## JSON API SERVER READY

When you install Contenta you get an API server out of the box. Create some content types and some content for them.



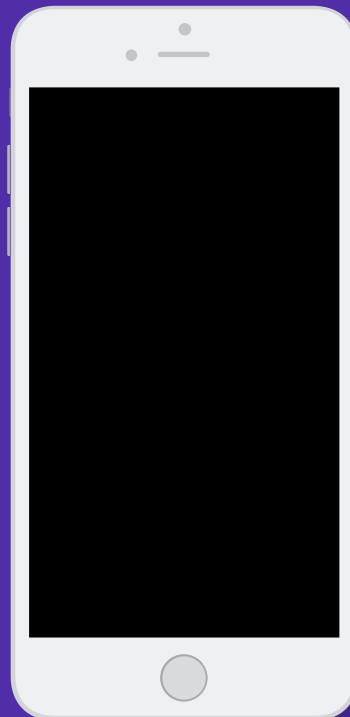
## OAUTH2 AUTHENTICATION

Oauth2 is the most popular standard for authenticating your API requests. Using a standard means that you get integrations for free.



## SIMPLIFIED BACKEND ADMIN

Since Contenta CMS is focused on decoupled sites, you don't need to worry about layouts, view modes, metatags, etc.



# READY TO TRY DECOPLED DRUPAL

Contentta CMS coordinated with the *Out of the Box Experience Initiative* to implement the same experience with the different technologies that Drupal offers. It's a website for a recipe magazine.



## CONTENTTA COMES WITH CONTENT

As part of the installation process Contentta CMS will **optionally** install all the content types and content necessary to build the magazine application. Trying an API server with nothing to try it on is a real downer.



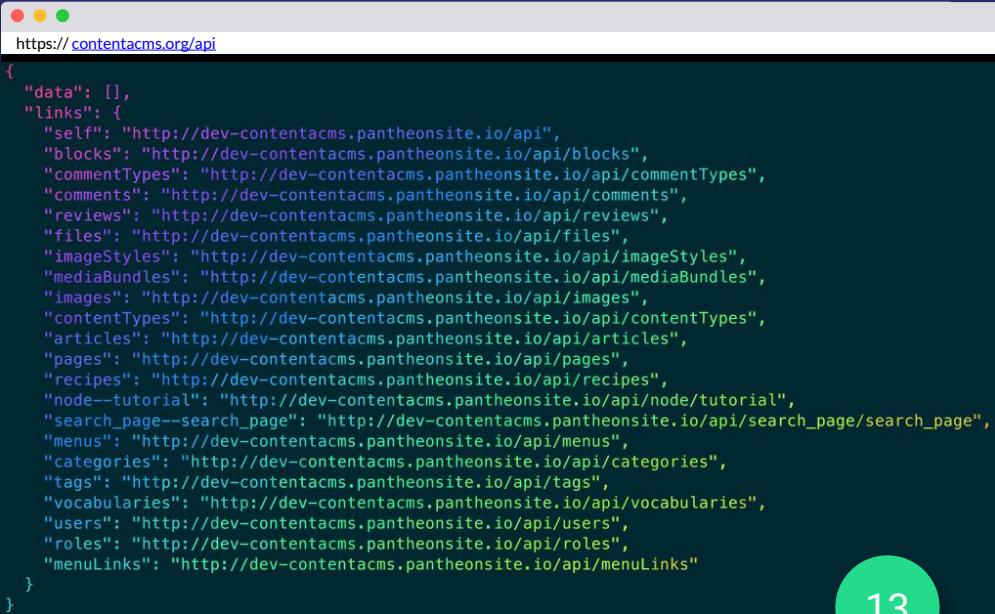
## EVERYTHING READY FROM THE START

Install Contentta CMS and make your API requests from the first moment. Even better! You can clone any of the demo consumers to have all the power of Decoupled Drupal in your hands. Now go and convince that CTO that decoupled Drupal is the way to go.



## REVERT TO CLEAN STATE & START FRESH

Did you have enough playing with recipes? Maybe you made some changes you want to keep while evaluating? Remove all the demo content and the associated configuration in one click. Revert to a clean install!



```
https://contentacms.org/api

{
  "data": [],
  "links": {
    "self": "http://dev-contentacms.pantheonsite.io/api",
    "blocks": "http://dev-contentacms.pantheonsite.io/api/blocks",
    "commentTypes": "http://dev-contentacms.pantheonsite.io/api/commentTypes",
    "comments": "http://dev-contentacms.pantheonsite.io/api/comments",
    "reviews": "http://dev-contentacms.pantheonsite.io/api/reviews",
    "files": "http://dev-contentacms.pantheonsite.io/api/files",
    "imageStyles": "http://dev-contentacms.pantheonsite.io/api/imageStyles",
    "mediaBundles": "http://dev-contentacms.pantheonsite.io/api/mediaBundles",
    "images": "http://dev-contentacms.pantheonsite.io/api/images",
    "contentTypes": "http://dev-contentacms.pantheonsite.io/api/contentTypes",
    "articles": "http://dev-contentacms.pantheonsite.io/api/articles",
    "pages": "http://dev-contentacms.pantheonsite.io/api/pages",
    "recipes": "http://dev-contentacms.pantheonsite.io/api/recipes",
    "node--tutorial": "http://dev-contentacms.pantheonsite.io/api/node/tutorial",
    "search_page--search_page": "http://dev-contentacms.pantheonsite.io/api/search_page/search_page",
    "menus": "http://dev-contentacms.pantheonsite.io/api/menus",
    "categories": "http://dev-contentacms.pantheonsite.io/api/categories",
    "tags": "http://dev-contentacms.pantheonsite.io/api/tags",
    "vocabularies": "http://dev-contentacms.pantheonsite.io/api/vocabularies",
    "users": "http://dev-contentacms.pantheonsite.io/api/users",
    "roles": "http://dev-contentacms.pantheonsite.io/api/roles",
    "menuLinks": "http://dev-contentacms.pantheonsite.io/api/menuLinks"
  }
}
```

# FIND ALL THE DOCS

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The screenshot shows a web browser window with a blue header bar. The main content area displays a list of documentation resources. At the top left is a section titled 'About tutorials' with a sub-section 'Tutorials are pointers to other documentation resources...'. Below this is a blue button labeled 'SUGGEST A TUTORIAL'. To the right, under the heading 'JSON API', there are two cards: one for 'Request node' (describing how to get a single node by UUID) and another for 'DELETE Removing Records' (describing how to remove content from Drupal using the JSON API). Each card has a 'WATCH VIDEO' button at the bottom.

## Curated list of documentation about decoupled Drupal

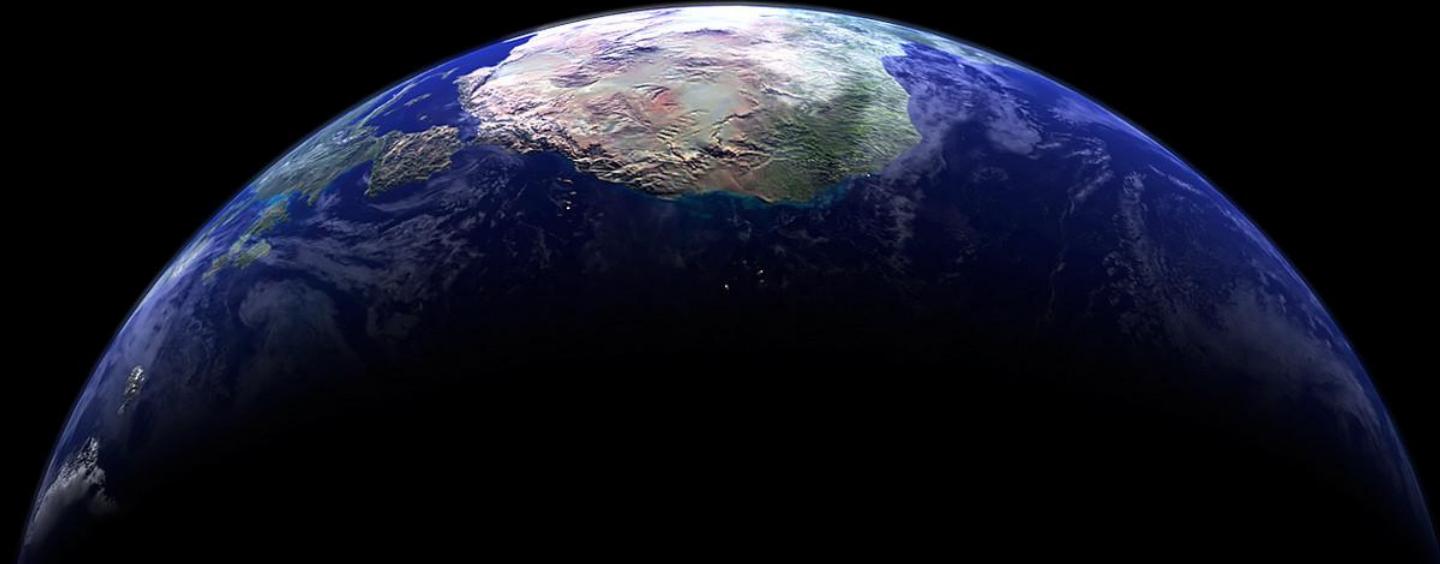
Decoupled Drupal is comprised of several different parts, each one has different documentation coverage in different places. Many times the documentation is not even in Drupal.org but in YouTube, blog posts, etc. Contenta CMS comes with a *Knowledge Hub* that curates a list of good resources.

## No documentation lives in Contenta, it's all pointers

When you install contenta you will have access to the documentation hub, if you install the demo content. It's a list of pointers to documentation existing elsewhere.

## It's a list built by the community

Do you know a resource that is useful for the general public? Suggest a new pointer for the next release of Contenta CMS.



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# READY FOR THE REAL WORLD

The focus of Contenta CMS is to provide all the tools necessary to build a real application. Contenta is also good for building your pet project, but it really shines for ambitious digital experiences. It contains many features usually required, and since it's Drupal it gives you an incredible extensibility.

STANDARD	POPULAR	PREMIUM	SUPREME
<b>\$ 0.00</b> Per Month	<b>\$ 0.00</b> Per Month	<b>\$ 0.00</b> Per Month	<b>\$ 0.00</b> Per Month
JSON API Server	JSON API Server	JSON API Server	JSON API Server
Open API documentation	Open API documentation	Open API documentation	Open API documentation
OAuth2 Authentication	OAuth2 Authentication	OAuth2 Authentication	OAuth2 Authentication
Revertible demo content	Revertible demo content	Revertible demo content	Revertible demo content
Knowledge Hub	Knowledge Hub	Knowledge Hub	Knowledge Hub
Development and decision making is community oriented, you are part of it!	Development and decision making is community oriented, you are part of it!	Development and decision making is community oriented, you are part of it!	Development and decision making is community oriented, you are part of it!

# IT'S ALL ABOUT CONSUMERS

When building a decoupled project Drupal is not the most complex part. There are many different front-end frameworks, and each of them have a set of best practices. Contenta CMS aims to provide best practices when building front-end applications. **Real applications** not just a TODO app.

# THE EXAMPLE APPS

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## Relational data model

Drupal is the best CMS in the world when you need to deal with structured content. This demo app shows off these capabilities.

## Complex layouts

Your application will have complex layouts. That's why we include some tricky elements. You can see how it works for the example!

## Fast & customizable

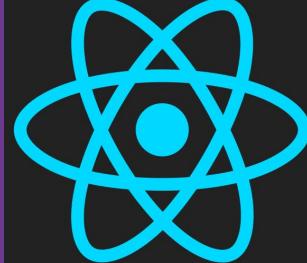
One important part of the examples is to show you how to integrate with the Drupal backend. See how the example front-ends make their queries.

# MEET OUR CONSUMER TEAM

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IT'S ALL  
ABOUT THE  
PEOPLE  
BUILDING  
THE  
CONSUMERS

The slide features a 3x4 grid of colored squares, each containing a developer's name, their technology, and a small icon related to it. The colors of the squares correspond to the technologies: Ionic (red), Angular (purple), React (dark grey), Vue (green), Elm (light blue), and Chatbot (cyan). The icons include a stylized atom symbol, an Angular logo, a large letter 'A', a speech bubble with a mountain icon, and a blue circle with a dot.

SAMUEL MORTENSON Ionic	MATT DAVIS Angular		SALLY YOUNG React
		DANIEL WEHNER Elm Chatbot	
	JOAO GARIN Angular		YANN BOISSELIER Vue

# START A NEW APP

## FOR YOUR PROFESSIONAL PROJECT

You can use the example consumers in several different ways. Creating a front-end project requires knowledge about many areas: redux, normalization, routing, tree shaking, server side rendering, component strategies, query aggregation, query parsing, ...

By using the examples in the Contenta project you can get a significant jump start. Put it in your local and adapt to explore your project's needs.



# THE CONTENTA CMS EXPERIENCE

01

Use the quick installer to get it in your local, or follow the instructions in the repo to install it using composer.

**INSTALL CONTENTA**

02

Start making HTTP requests to see the available data in the server. Try requesting /api first.

**PLAY WITH THE API**

03

[Download](#) your favorite consumer in your local and see it in action. Open up the code and get inspired for your own project.

**INSTALL A CONSUMER**

04

**EXPLORE THE DOCS**

Chances are that if you need documentation you have a pointer to it in the *Knowledge Hub*.

05

**REVERT CONTENTA**

With one click, turn Contenta into a clean installation with all the tools you need for decoupled Drupal. All demo content and configuration, gone.

06

**YOUR CONTENT MODEL**

With a clean install add your content types and create your content. Install any Drupal modules you need!



# ACQUIA'S RESERVOIR IS CONTENTA'S

STAGE  
**05**

When you revert Contenta to a clean state you get the same that Reservoir gives you, with two differences, a different user interface and less features out of the box.

Contenta CMS is planning to adopt part Reservoir's admin UI so we can both build upon the same component. Therefore the difference is reduced to what they consider *baseline decoupled Drupal*.

Reservoir's approach is to give you a minimalistic set of features. The Contenta team, with extensive experience in the industry, feels that this minimum includes more things. Things like a media library, CORS security, helper modules for front-end performance, and tools to customize your API.

Hence once you are at stage 05, the only difference between Contenta and Reservoir is the level of features of what *baseline decoupled Drupal* means.

OCTO (the Reservoir team) has funding and is not based on volunteer work, they can invest more time if Acquia wants to. The Contenta team has experience in real projects and consumer examples. **Should they merge some flavor of Reservoir as Contenta's stage 05?**



# GET INVOLVED

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## JOIN THE DISCUSSION IN SLACK

Join us in the [#contenta](#) Slack channel in the [Drupal organization](#). Chat with more than 70 people about decoupled Drupal and the Contenta CMS initiative. Or join just to read the conversations.



## DECIDE WHERE TO CONTRIBUTE

If you are a Drupal themer, you can help. If you are a Drupal developer, you can help. If you write JS applications, you can help. If you like nodejs, you can help. If you don't write code, you can help.



## ASK FOR HELP

If you are stuck in a particular topic there is always someone that dealt with that in the channel. Ask for help even if you don't know how to collaborate. Some of the best contributions started that way.



## BE HEALTHY, DON'T BURN

We all need breaks, we all have important stuff to attend. You are a volunteer and we know that, we are too. Don't get burnt out, enjoy the community and build cool stuff. Don't feel pressure, there is none.

# THANK YOU!



contenta  
cms