



Contentta

Makes your content happy

A community driven API-First distribution



MATEU AGUILÓ BOSCH

DECOUPLING NERD

I like building API-First and decoupled software. I also write code for the Drupal project:

- API-First initiative coordinator
- RESTful co-author
- JSON API author
- Simple OAuth author
- Schemata collaborator

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.



CONTENTA IS DECOUPLED DRUPAL

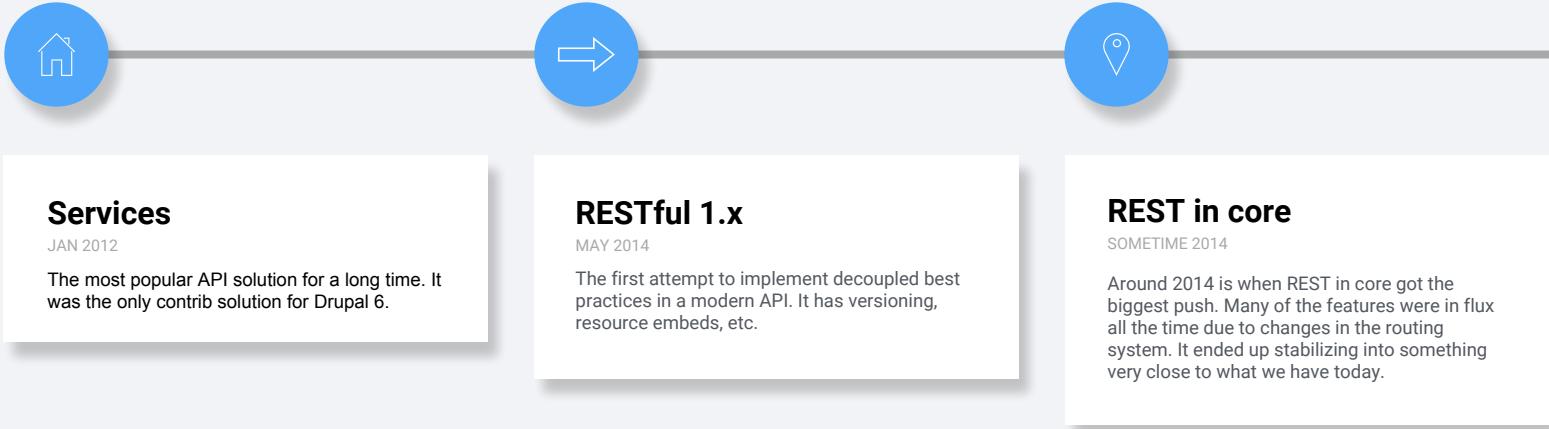
Contenta is a collection of modules and configuration ready to deliver the best experience when working with decoupled Drupal.
Decoupled Drupal frees the developer from *drupalisms* but to set up the Drupal backend you need to know quite a lot of Drupal.

The Contenta distribution arises as a response from the community to this irony. It gives you the pieces of the puzzle for decoupled Drupal and then assembles the puzzle for you.

DECOUPLED DRUPAL

THE DRUPAL JOURNEY TOWARDS DECOUPLING

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THE DRUPAL JOURNEY TOWARDS DECOUPLING

7



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 and DX, and even introduced JSON API in D7.

It may be the richest feature set to date.

JSON API

MAY 2016

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

Contenta

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 guru. 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



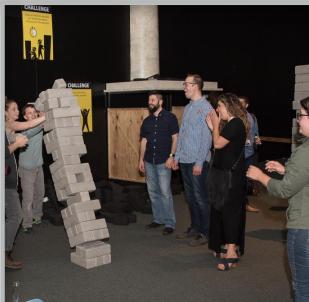
MATEU AGUILÓ BOSCH
ISLANDER

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

@e0ipso

THE REST OF THE TEAM

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OUR MISSION

THE MISSION OF CONTENTA IS TO BE:



Friendly to non-Drupalers

Contenta comes with a default set up ready to start creating your content model and your content. No Drupal involved.



Usable from the first minute

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



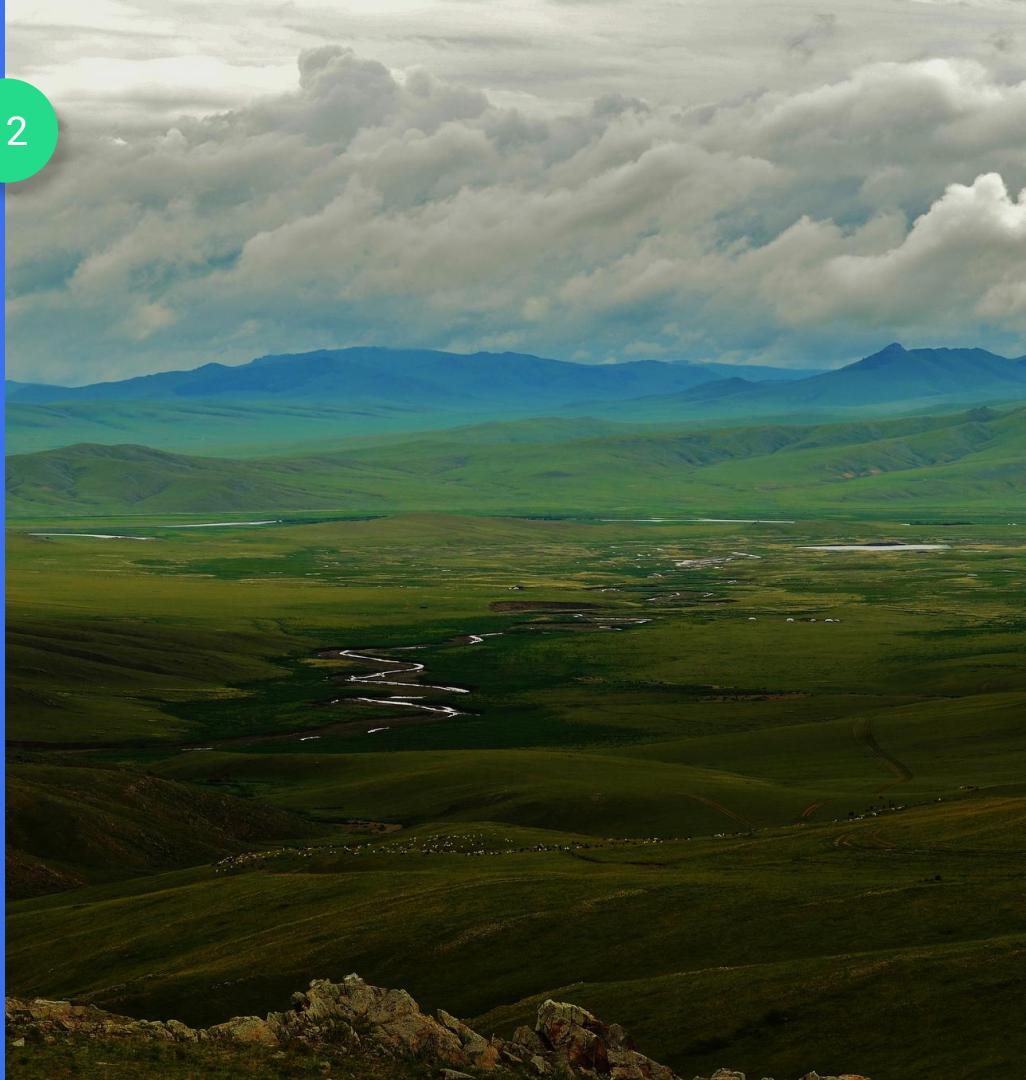
A decoupled knowledge hub

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



Feature-complete for decoupled

Contenta 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 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.



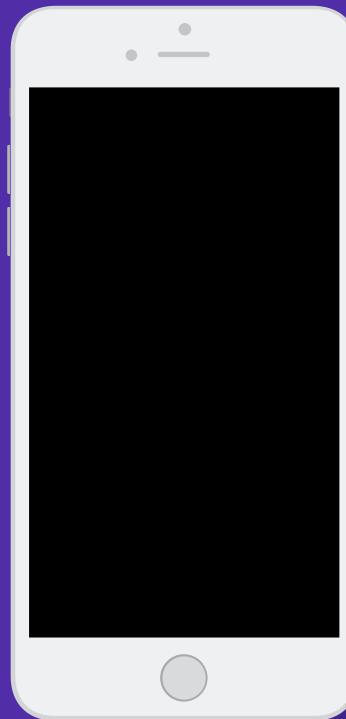
OAUTH2 AUTHENTICATION

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



READY TO TRY DECOPLED DRUPAL

Contenta 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.



CONTENTA COMES WITH CONTENT

As part of the installation process Contenta will **optionally** install all the content types and content necessary to build the magazine application. Trying an API server without content is a real downer.



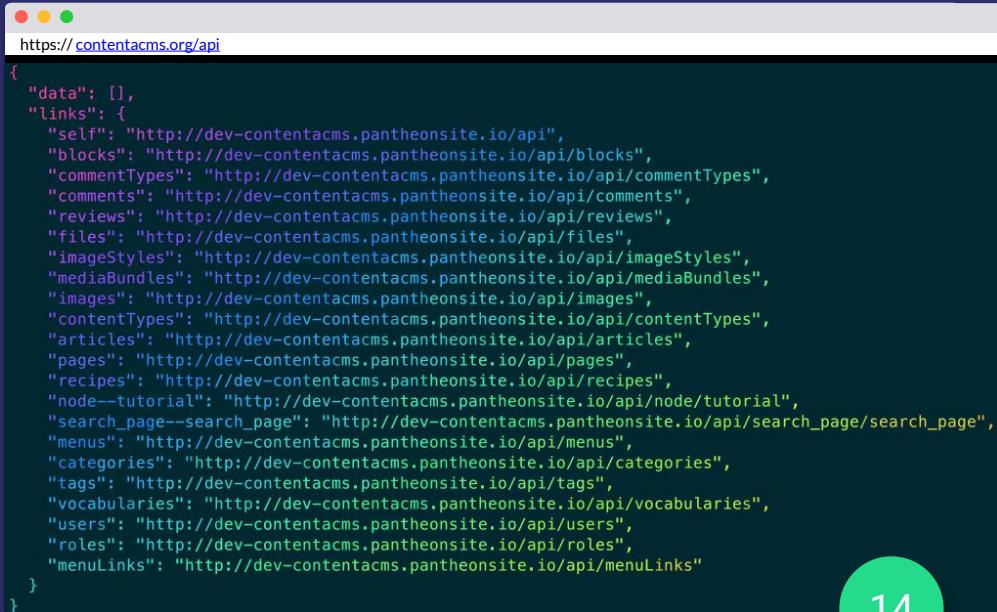
EVERYTHING READY FROM THE START

Install Contenta 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!

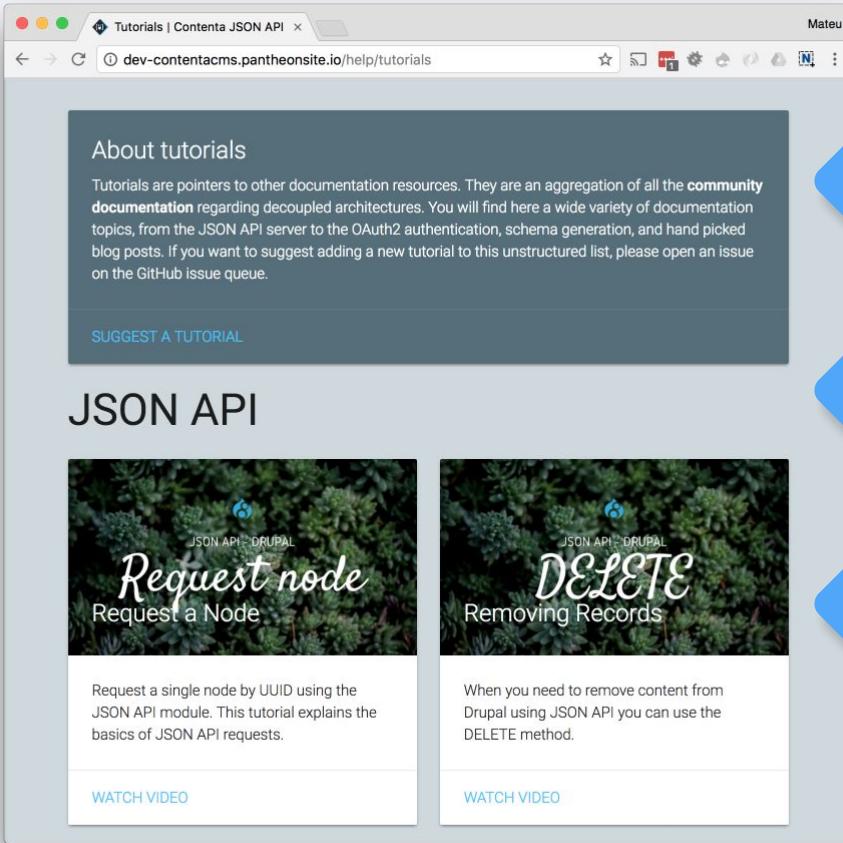


A screenshot of a browser window displaying a JSON API response from <https://contentacms.org/api>. The response is a single object with a "data" field containing an empty array and a "links" field containing various API endpoints such as "self", "blocks", "commentTypes", "comments", "reviews", "files", "imageStyles", "mediaBundles", "images", "contentTypes", "articles", "pages", "recipes", "node--tutorial", "search_page--search_page", "menus", "categories", "tags", "vocabularies", "users", "roles", and "menuLinks".

```
{
  "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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A screenshot of a web browser displaying the 'Tutorials | Contenta JSON API' page at dev-contentacms.pantheonsite.io/help/tutorials. The page has a header 'About tutorials' with a note about pointers to documentation resources. Below it is a 'SUGGEST A TUTORIAL' button. The main content area is titled 'JSON API' and features two cards:

- Request node**: 'Request a Node'. Description: 'Request a single node by UUID using the JSON API module. This tutorial explains the basics of JSON API requests.' Button: 'WATCH VIDEO'.
- DELETE**: 'Removing Records'. Description: 'When you need to remove content from Drupal using JSON API you can use the DELETE method.' Button: 'WATCH VIDEO'.

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 comes with a *Knowledge Hub* that curates a list of good resources.



No documentation lives in Contenta, it's all pointers

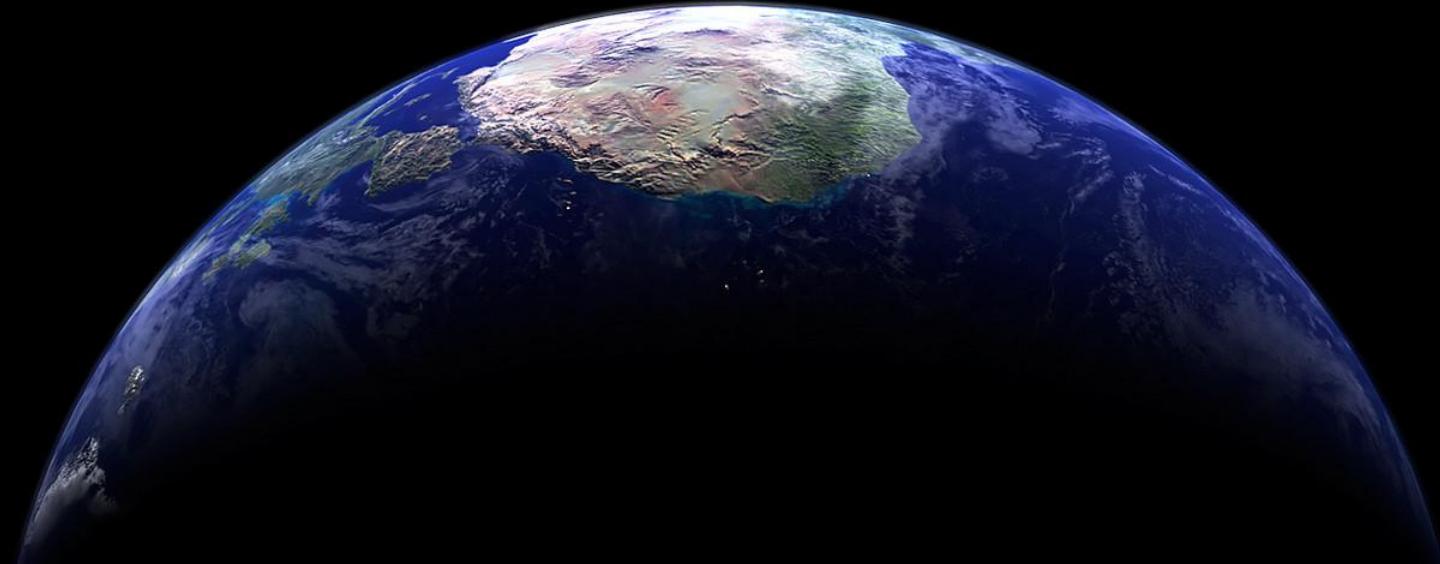
When you install Contenta you will have access to the documentation hub, if you install the demo content. Since we believe in the open collaboration model, we opted for a list of pointers to collaborative documentation.



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.





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READY FOR THE REAL WORLD

The focus of Contenta 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.

IT'S ALL ABOUT CONSUMERS

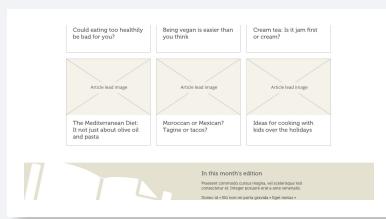
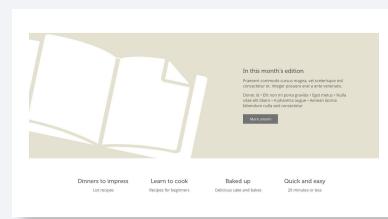
When building a decoupled project, Drupal is not the most complex part. There are many different front-end frameworks, and each of them has a set of best practices. Contenta aims to provide best practices when building front-end applications. Contenta comes with **real applications** not just simple 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.



A screenshot of a Drupal-based food magazine application. It features a large, stylized image of a book or magazine cover. Below it are two small cards with text and icons: 'Not an enemy - new advice on eggs' (with a 'More featured articles' button) and 'More featured articles' (with two 'Article lead image' placeholders). A sidebar on the right contains a heading 'In this month's edition' followed by several text snippets and 'Article lead image' placeholders.

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!



A screenshot of a Drupal-based food magazine application. It features a large, stylized image of a book or magazine cover. Below it are two small cards with text and icons: 'Promoted article or recipe title' (with a 'Article lead image' placeholder) and 'Promoted article or recipe title' (with a 'Article lead image' placeholder). A sidebar on the right contains a heading 'In this month's edition' followed by several text snippets and 'Article lead image' placeholders.

A screenshot of a Drupal-based food magazine application. It features a large, stylized image of a book or magazine cover. Below it are four small cards with text and icons: 'Latest recipes' (with four 'Recipe lead image' placeholders) and 'Latest recipes' (with four 'Recipe lead image' placeholders).

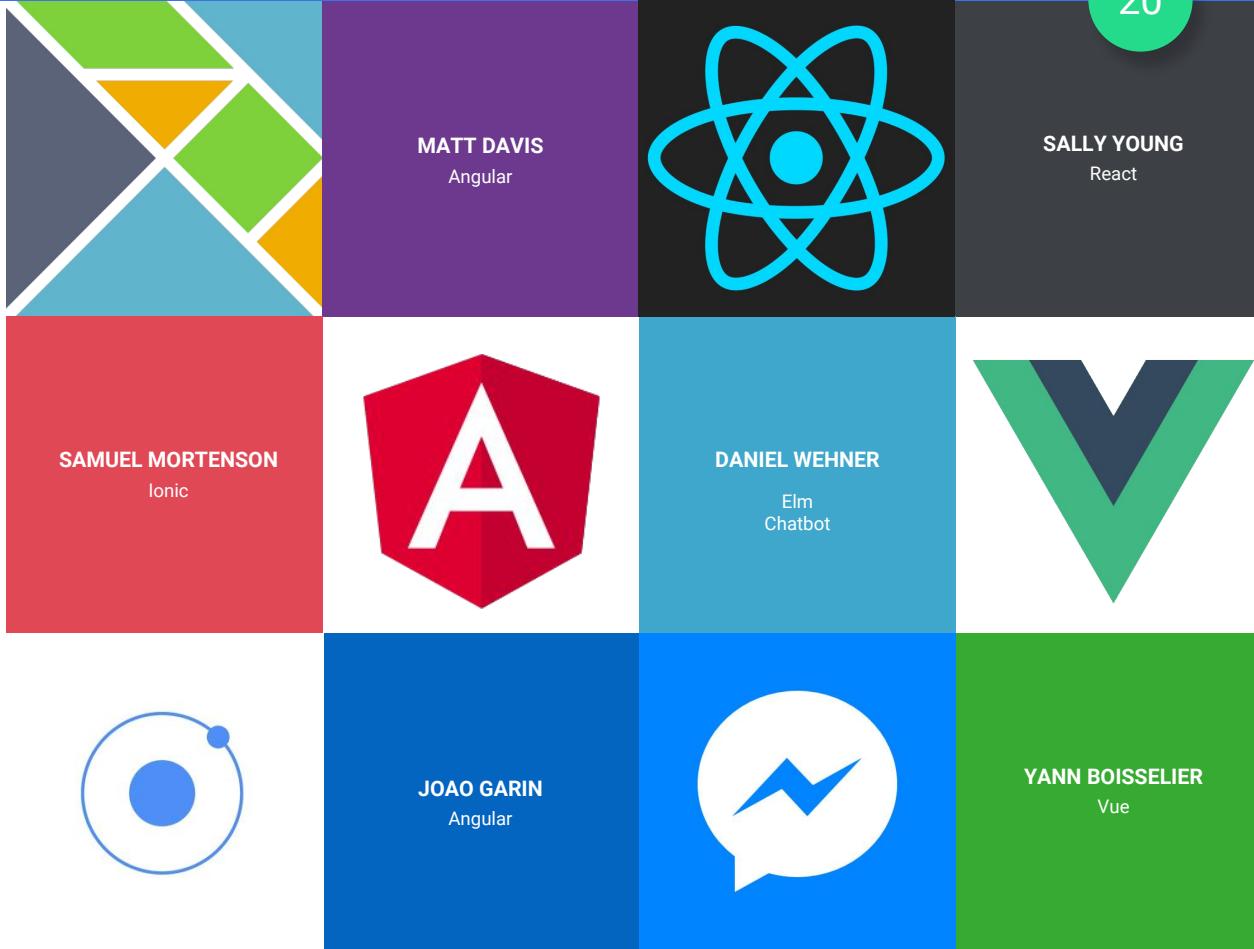
Fast & customizable

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



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, etc.

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



THE CONTENTA 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

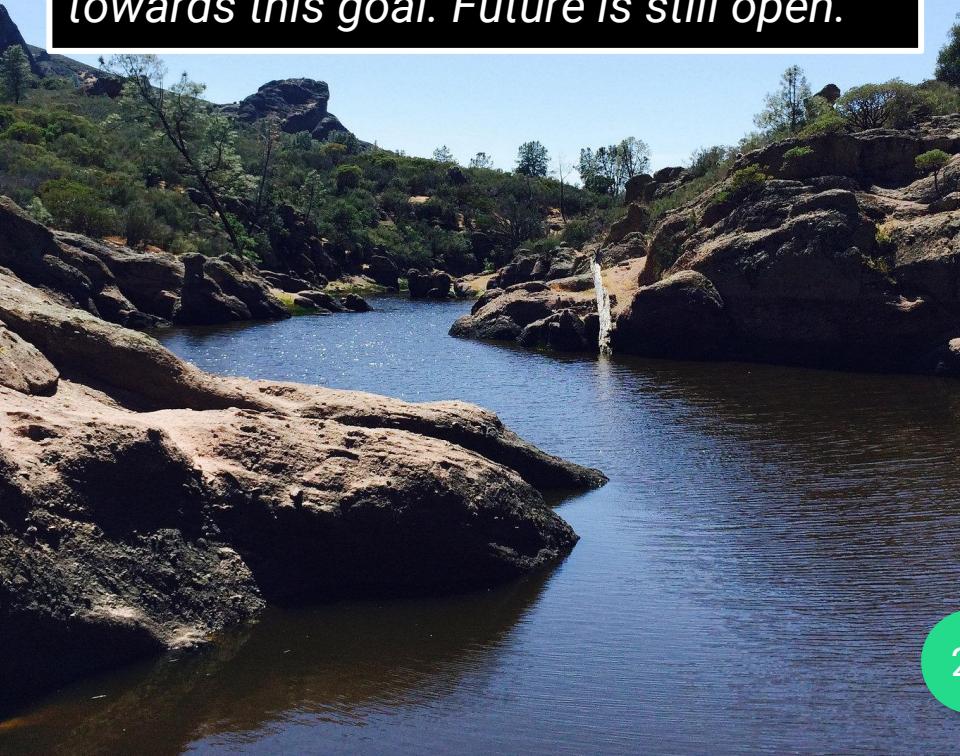
REVERT CONTENTA

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

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YOUR CONTENT MODEL

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



*"We are **sad** that Acquia released their own distribution to solve the **same problem**. But we are happy that the community has started to **collaborate** towards this goal. Future is still open."*

ACQUIA'S RESERVOIR CAN BE CONTENTA'S STAGE 5

Both Contenta and Reservoir are based on the same set of modules. When you revert Contenta to a clean state you get the same that Reservoir gives you, with two differences, a different user interface and extra features out of the box.

Contenta is planning to adopt part of 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. For the Contenta team this minimum includes more things. Things like a media library, helper modules for front-end performance, tools to customize your API, implementation samples, content strategy tips, etc.

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.

Reservoir is simple (but limited) and Contenta is powerful (but complex). Reservoir only supports Nodes, Node Types, Files & Users and that may be enough for you. If you need more, like Comments, Taxonomy, Paragraphs, etc. then Contenta is your choice.



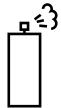
GET INVOLVED

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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 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 on 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.

PRICING

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STANDARD	POPULAR	PREMIUM	SUPREME
\$ 0.00 Per Month	\$ 0.00 Per Month	\$ 0.00 Per Month	\$ 0.00 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!

THANK YOU!

