



DriesNote

DrupalCon Global 2020



Hello, I'm Dries Buytaert
I'm the Founder + Project Lead of Drupal

You can find me online @dries
or my blog at <http://dri.es>



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Release of
Drupal 9

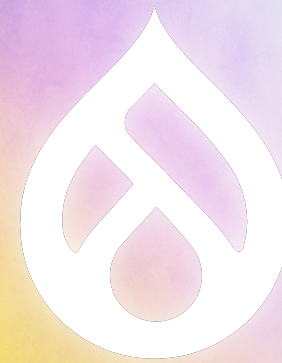
What will
Drupal 10
look like?

A person in a red jacket and black pants is climbing a steep, icy mountain peak. They are using a rope that extends up the slope. The mountain is covered in snow and ice, with several large, dark rocks scattered across the upper part of the slope. The sky is a deep blue with wispy white clouds. The overall scene is one of a challenging and dangerous climb.

A hard time for all of us

Living our Values & Principles:

Diversity & Inclusion
in our community
are more important
than ever before



FLASHBACK TO
DRUPALCON SEATTLE 2019

Improve
collaboration

Supporting
diversity + inclusion

Build for more
end users

is essential to the health
and success of the project

Unlock innovation
and creativity

Steps we're taking to improve:

CWG & Community Health Team reviewing Community Code of Conduct

Committee reviewing our Values & Principles

Donations to Black Girls Code from myself and from Acquia

Publishing diversity data on our community





Coming together
by staying apart

Drupal is in a position to make a positive impact
on the world, especially right now



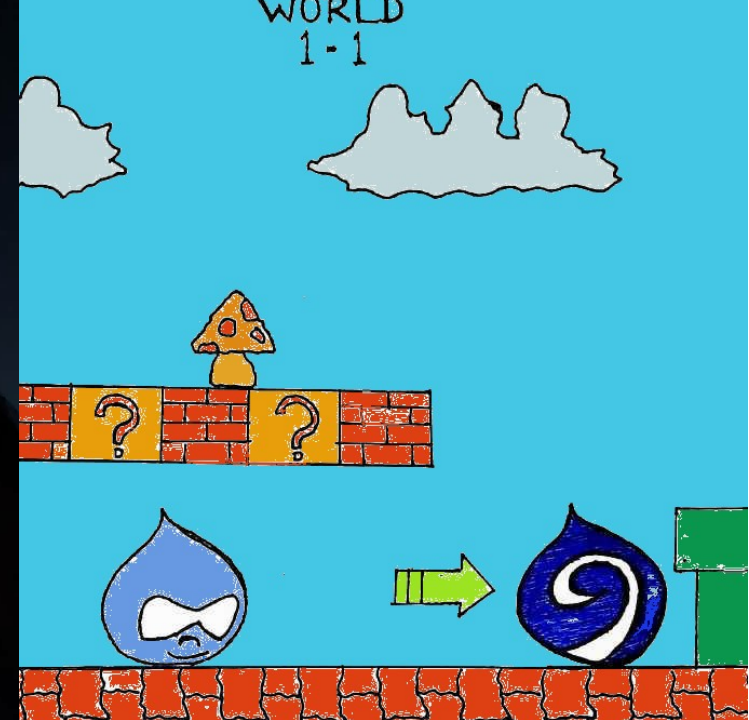
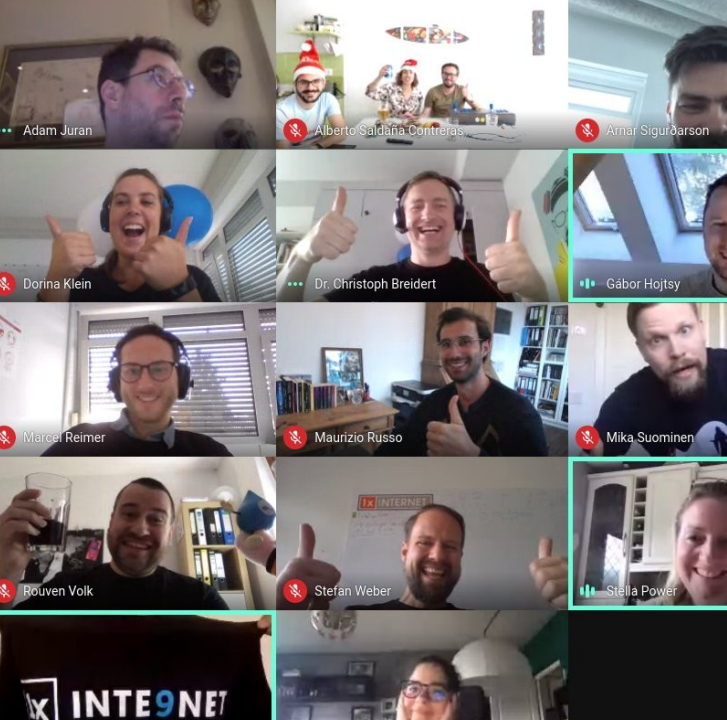
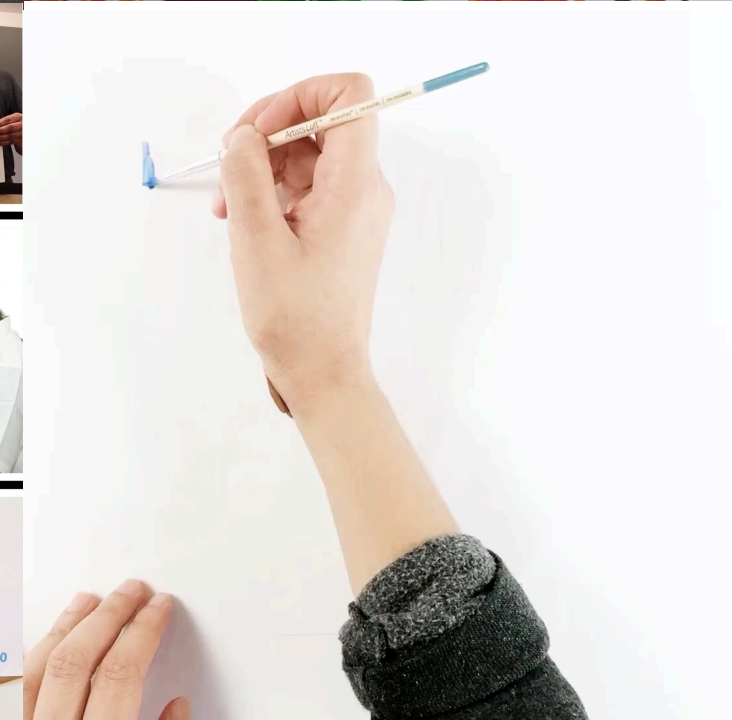
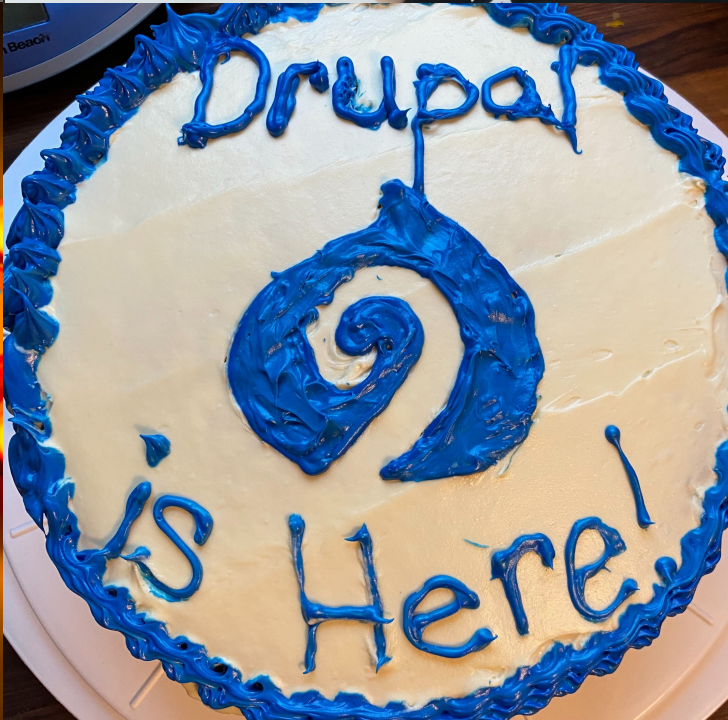
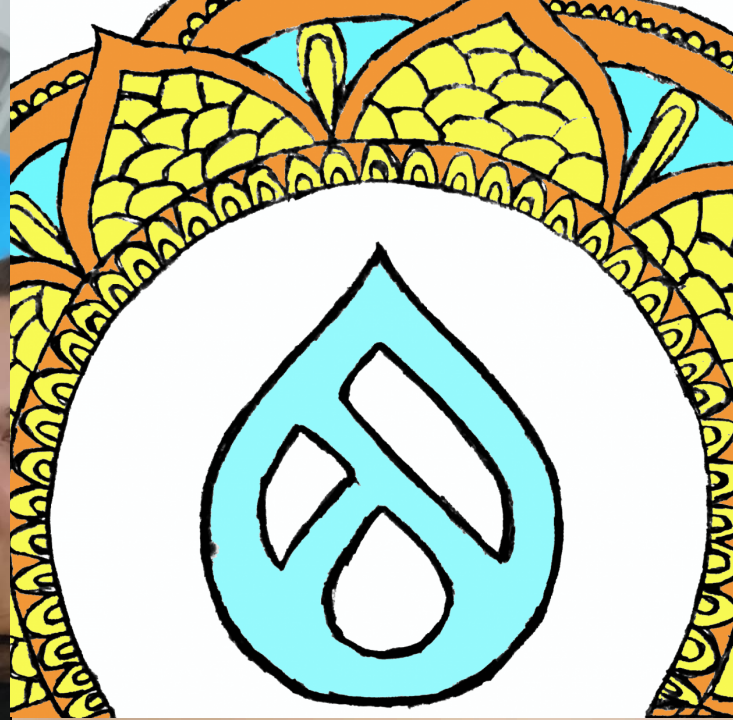
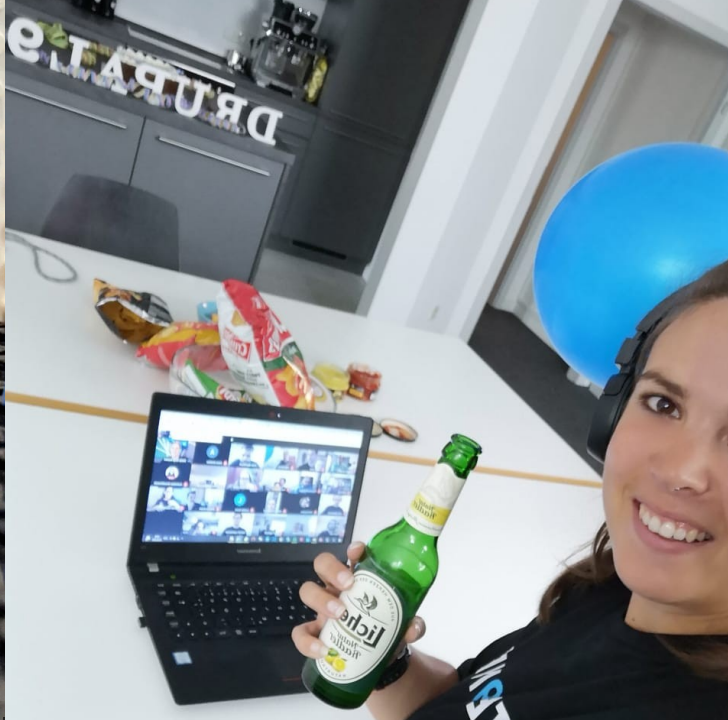
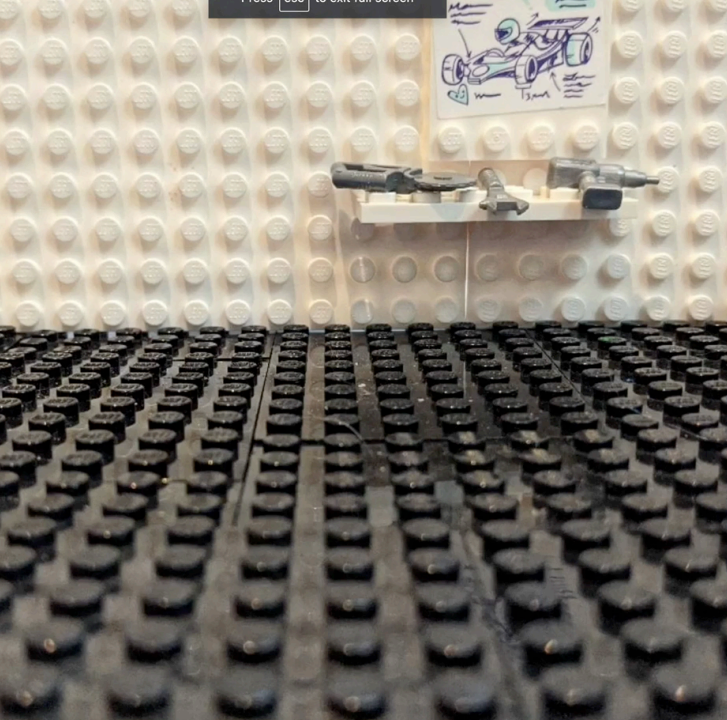
During these hard
times, organizations
are having to do
more with less

Many organizations
are going through an
accelerated digital
transformation



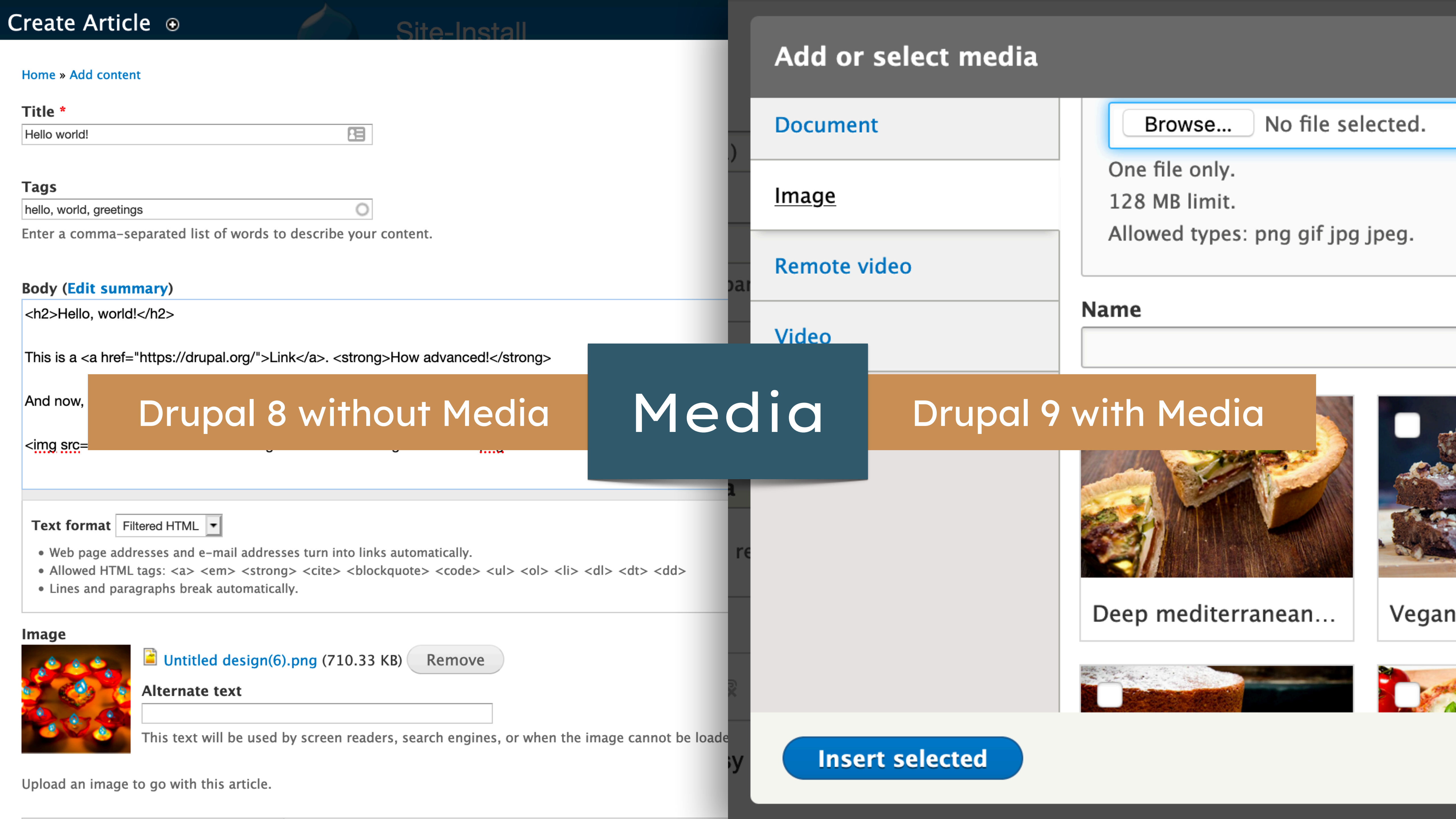
The background is a dark navy blue field filled with numerous squares and rectangles of various sizes and colors. The colors include shades of blue, purple, pink, orange, and grey. Some shapes are semi-transparent, creating a layered effect. The overall composition is abstract and celebratory.

We released Drupal 9!



We've come
a really long
way in the
last 4.5 years





[Home](#) » [Add content](#)

Title *

Hello world! 

Tags

hello, world, greetings 

Enter a comma-separated list of words to describe your content.

Body ([Edit summary](#))

<h2>Hello, world!</h2>

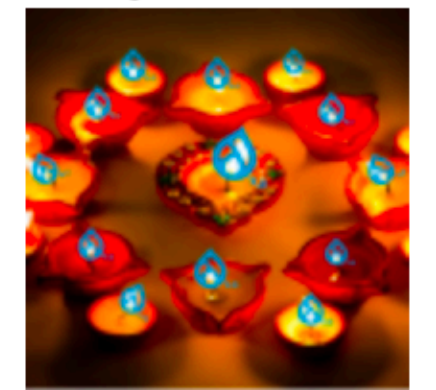
This is a Link. How advanced!

And now,

Text format Filtered HTML ▾

- Web page addresses and e-mail addresses turn into links automatically.
 - Allowed HTML tags: <a> <cite> <blockquote> <code> <dl> <dt> <dd>
- Lines and paragraphs break automatically.

Image



 [Untitled design\(6\).png](#) (710.33 KB) Remove

Alternate text

This text will be used by screen readers, search engines, or when the image cannot be loaded

Upload an image to go with this article.

Add or select media

[Document](#)

[Image](#)

[Remote video](#)

[Video](#)

Browse...

No file selected.

One file only.

128 MB limit.

Allowed types: png gif jpg jpeg.

Name

Media

Drupal 8 without Media

Drupal 9 with Media

Insert selected



Deep mediterranean...



Vegan



Add or select media

Document

Image

Remote video

Video

No file selected.

One file only.
128 MB limit.
Allowed types: png gif jpg jpeg.

Name

Sort by

Newest first ▼

Apply filters

Grid

Drupal 9 with Media



Deep mediterranean...



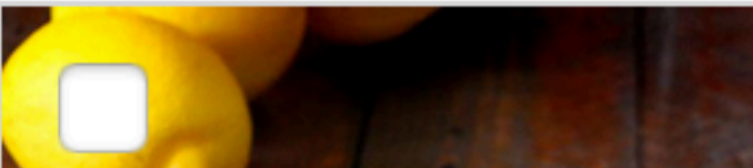
Vegan chocolate and...



Super easy vegetaria...

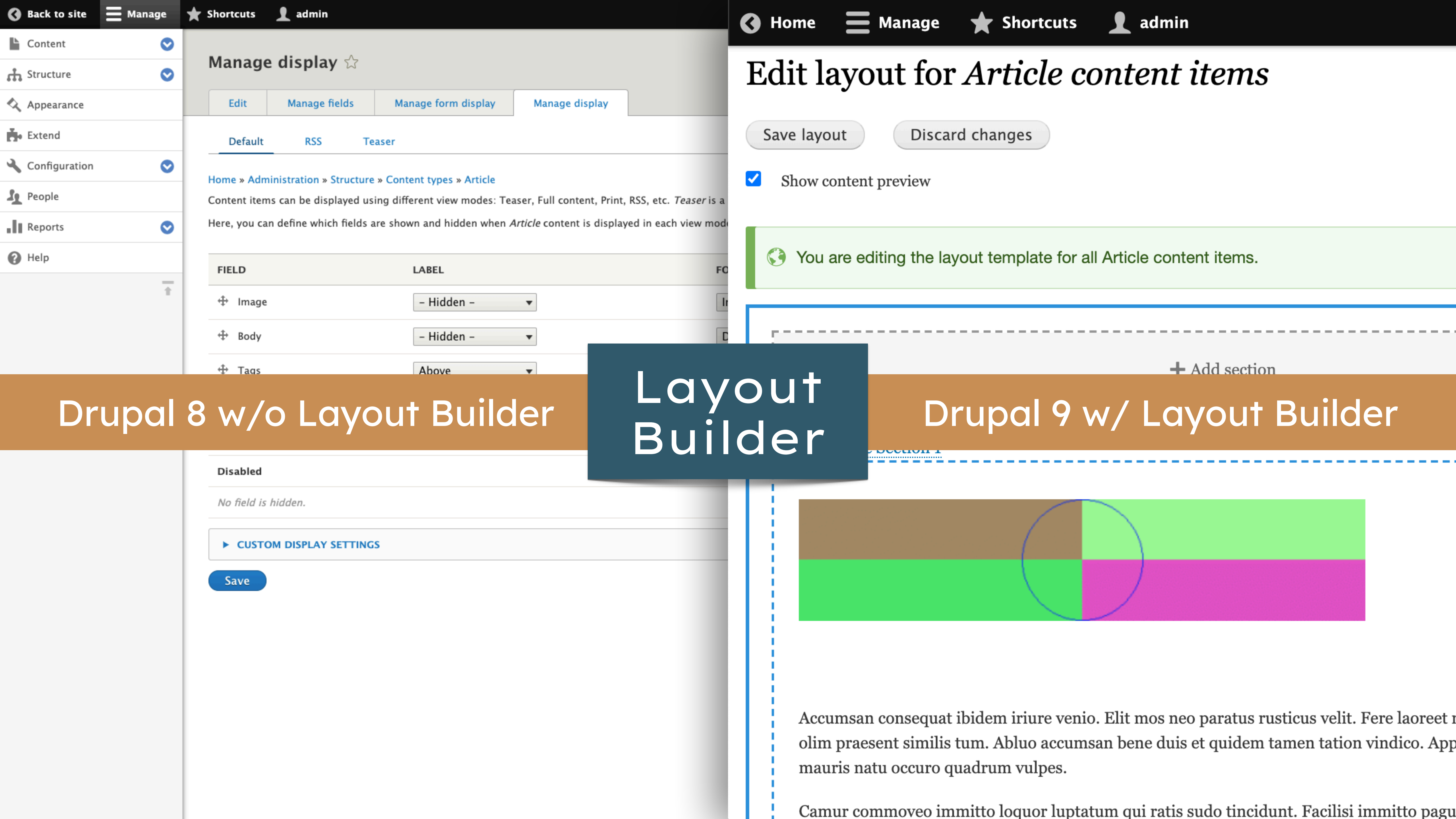


Watercress soup



Insert selected

0 of 1 item s



Drupal 8 w/o Layout Builder

Layout
Builder

Drupal 9 w/ Layout Builder

Content

Structure

Appearance

Extend

Configuration

People

Reports

Help

[Home](#) » [Administration](#) » [Structure](#) » [Content types](#) » [Article](#) » [Manage display](#)

Search

Tools

[Add content](#)

Edit layout for *Article content items*

This layout builder tool allows you to configure the layout of the main content area.

To manage other areas of the page, use the [block administration page](#).

Forms and links inside the content of the layout builder tool have been disabled.

Save layout Discard changes


Show content preview

You are editing the layout template for all Article content items.

+ Add section

×

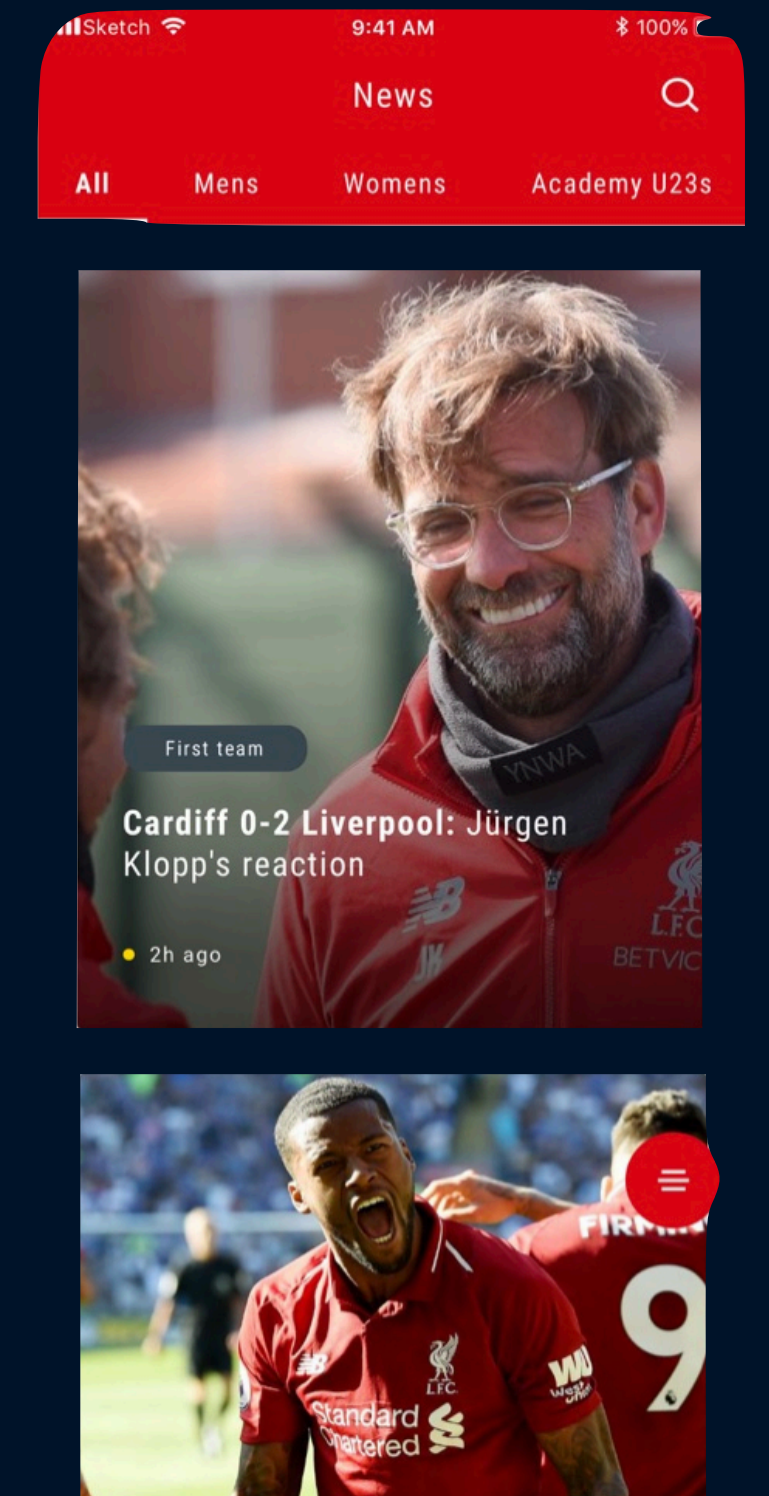
Configure Section 1



Drupal 9 w/ Layout Builder

API-first

Drupal 9 with web services



Easiest Drupal upgrade path in last 15 years

with the best upgrade
tooling yet!



Drupal 9

Module readiness

1/3

of modules are
Drupal 9 ready!

1/3

need a one-line
change to the
.info.yml file

Easiest Drupal upgrade path in last 15 years

with the best upgrade
tooling yet!



Our users love it!



João Ventura @jcnventura · May 14

I can confirm [#Drupal9](#) is going to be the easiest upgrade ever. I created a D7 site 7 years ago that took 3 years to migrate (when d7-d8 entity_translation migration was added). Yesterday I migrated it to [#Drupal9](#), which will be released next month. Good job everyone!



Frédéric G. MARAND
@OSInet

First site ported from 8.8 (yesterday) to 8.9.0 (yesternight: 1h) to [@Drupal](#) 9.0.0: 2h15min. Time spent fixing theme issues: 1h30 out of 2h15. For some reason, I feel many more sites will have that kind of ratio. Modules just port with upgrade_status. (thx [@gaborhojtsy](#))

3:06 AM · Jun 4, 2020 · [Twitter Web App](#)



Sam Mortenson @mortensonsam · Jun 25

Just upgraded my personal site to Drupal 9 on my lunch break



Upgrade to Drupal 9 · [mortenson/mortenson.github.io@bf1b160](#)
[github.com](#)



heddn · 2:24 PM

In honor of D9 readiness, we've been reviewing one of the first sites we'll launch on D9. It has 42 random contrib modules on it. All but 1 of them is D9 compatible NOW. This site is all but READY ALREADY for D9. And this was with no special work to prep the site for D9.

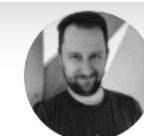
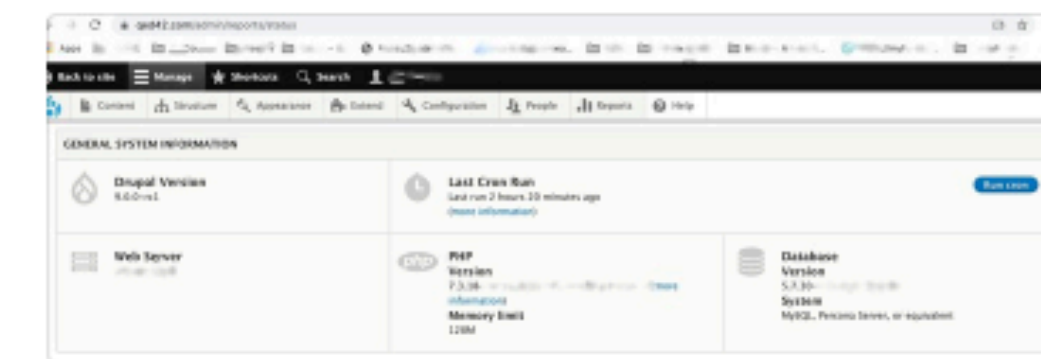


piyuesh23 9:09 PM

Our [#first upgrade to Drupal 9](#) with a release upgrading our D8 site to 9.0.0-rc1 went live just now.. 😊 It was a much smoother experience compared to upgrades across previous Drupal versions.. Few hiccups that consumed some major time were getting contrib modules to work well by adding patches (we got lucky with most of the contrib modules having a D9 compatible release) available over issue queues & updating our custom modules.. Upgrade_status & rector both of them were of great help during the upgrade process doing the major heavy lifting for us.. Also, tried to summarise our story & upgrade experience here: <https://www.qed42.com/blog/our-drupal-9-upgrade-story>..

Happy Drupal 9 Everyone!!

qed42-Drupal9.jpg



Gábor Hojtsy
@gaborhojtsy

👏 "This is definitely the smoothest update of a major Drupal version I've been involved in. I'm impressed by [the Drupal community]. They automated and streamlined the upgrade process with patches being posted by bots fully covering our needed upgrade path, in 3 out of 4 cases."



SystemSeed @systemseed · Jun 25

Our blog post on the upgrade of systemseed.com from [#Drupal8](#) to [#Drupal9](#) is out. There's a step-by-step in there too: [systemseed.com/news/systemsee....](#)

3:43 AM · Jul 7, 2020 · [TweetDeck](#)



mandclu 13 hours ago

For sure. But I feel like in terms of the ability to build a robust website on the day of its stable release, D9 will be way ahead of any major upgrade in a long while

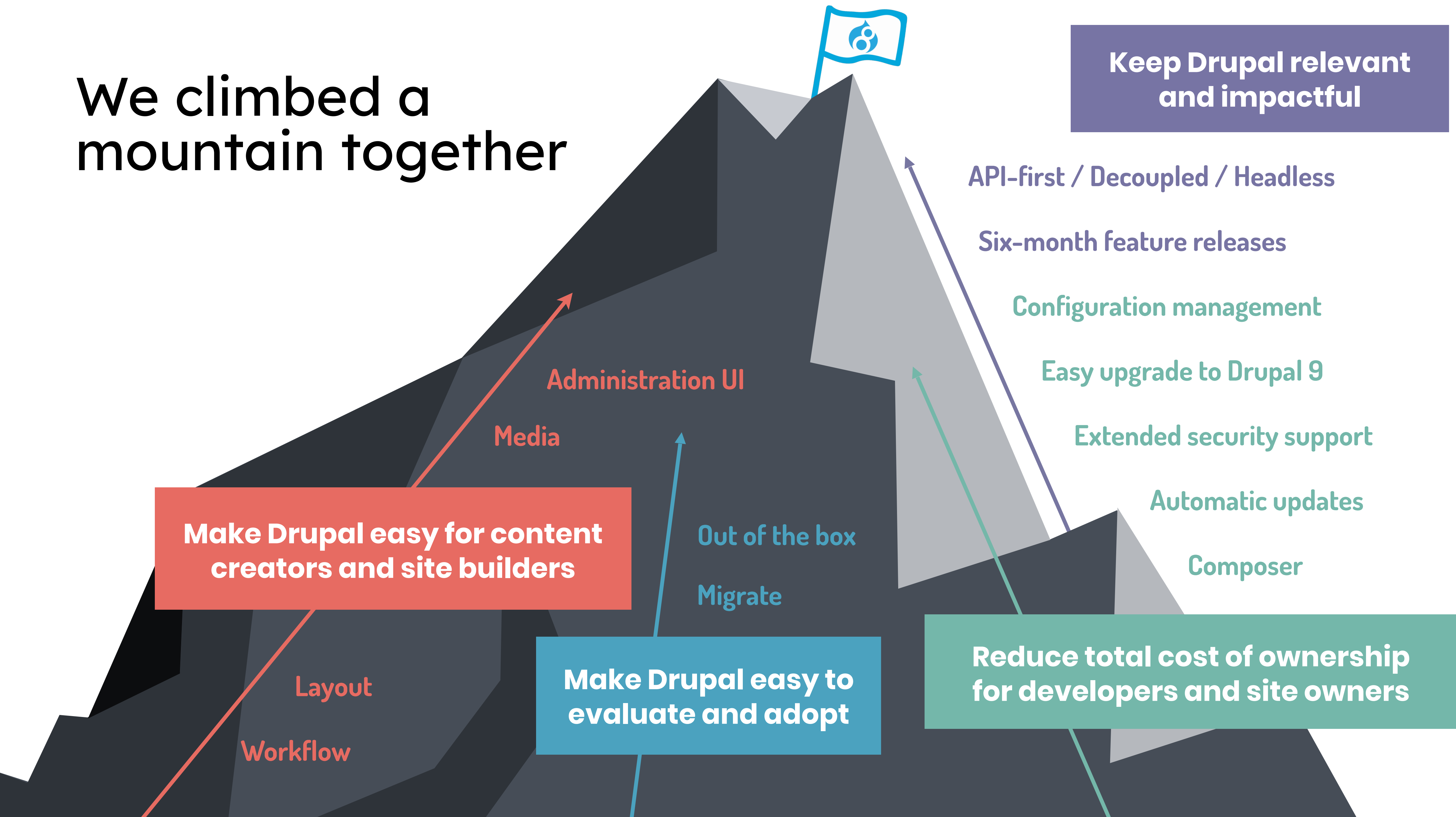
👍 3 🙌 1 🗨️



greggles 12 hours ago

Count me in the "8 to 9 seems easier than any prior major upgrade" camp, and my experience spans back to 4.5. I also count 4.5->4.6->4.7->5 as major, of course, even though their numbers don't match that.

We climbed a mountain together



In the last 4.5 years...

24
security
releases

9
minor
releases

55
bug-fix
releases

35
alphas, betas,
and release
candidates

4,532
individual
contributors

768
organization
contributors

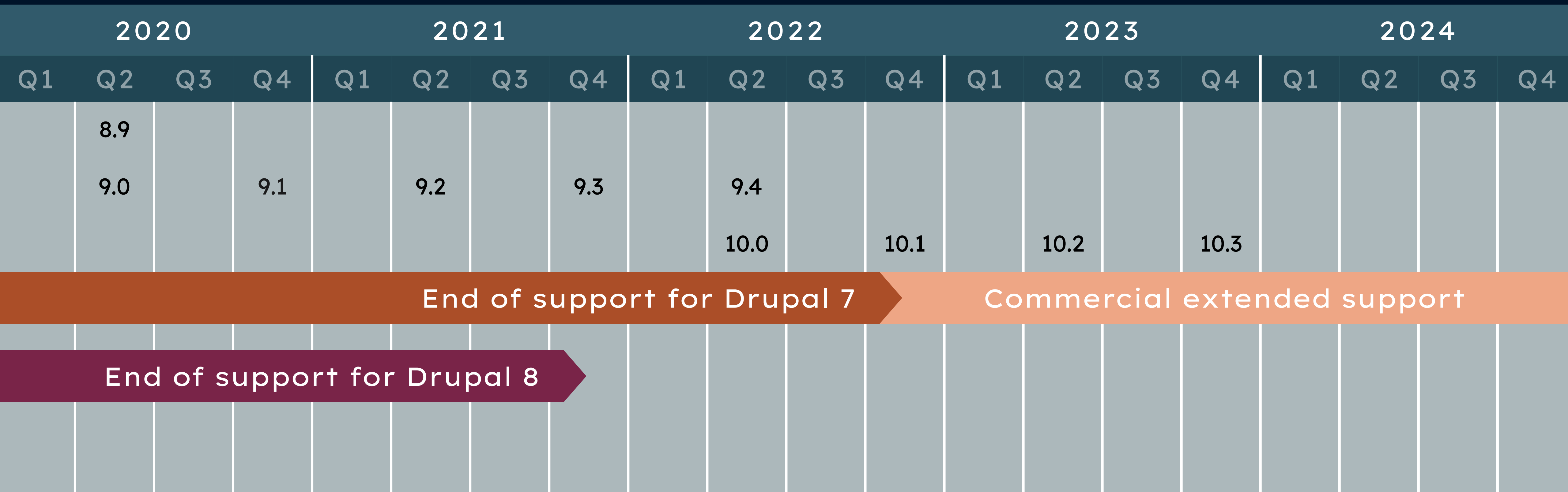
13
major features
went from
experimental
to stable



532 individual contributors to
Drupal 8 → Drupal 9



768 organizational contributors
to Drupal 8 → Drupal 9



A few reminders

Drupal 7 support ends November 2022

New

Drupal 8 support ends November 2021

Where do we go next?

What will Drupal 10.0.0 look like?

What we learned

from Drupal 8

15+ initiatives
was a lot; we didn't
finish them all

What we already know

about Drupal 10

Shorter
development
time frame

Goals for today

Define 5
initiatives
for Drupal 10

Initiative 5?

Initiative 4?

Initiative 3?

Initiative 2?

Initiative 1?

Goals for today

Define 5
initiatives
for Drupal 10

Make sure these
initiatives are
well-balanced

- ✓ Reduce both technical debt and innovate
- ✓ Consider different stakeholders / personas
- ✓ Balance short-term and long-term goals
- ✓ Clear reason for organizations and individuals to adopt Drupal

Step 1

Make a list
of important
initiatives
to consider

Initiative L

Initiative B

Initiative I

Initiative G

Initiative M

Initiative H

Initiative K

Initiative C

Initiative F

Initiative J

Initiative A

Initiative E

Initiative D

Initiative N

Step 2

Select five initiatives for Drupal 10

Initiative L

Initiative 2

Initiative I

Initiative G

Initiative M

Initiative 5

Initiative C

Initiative K

Initiative F

Initiative 1

Initiative 4

Initiative 3

Initiative N

Initiative D

Initiatives to consider

Initiatives to consider

Things
that are
mandatory

Initiatives to consider

Things
that are
mandatory

Things we
already
started

Initiatives to consider

Things
that are
mandatory

Things we
already
started

Things
existing
users are
asking us
to do

Initiatives to consider

Things
that are
mandatory

Things we
already
started

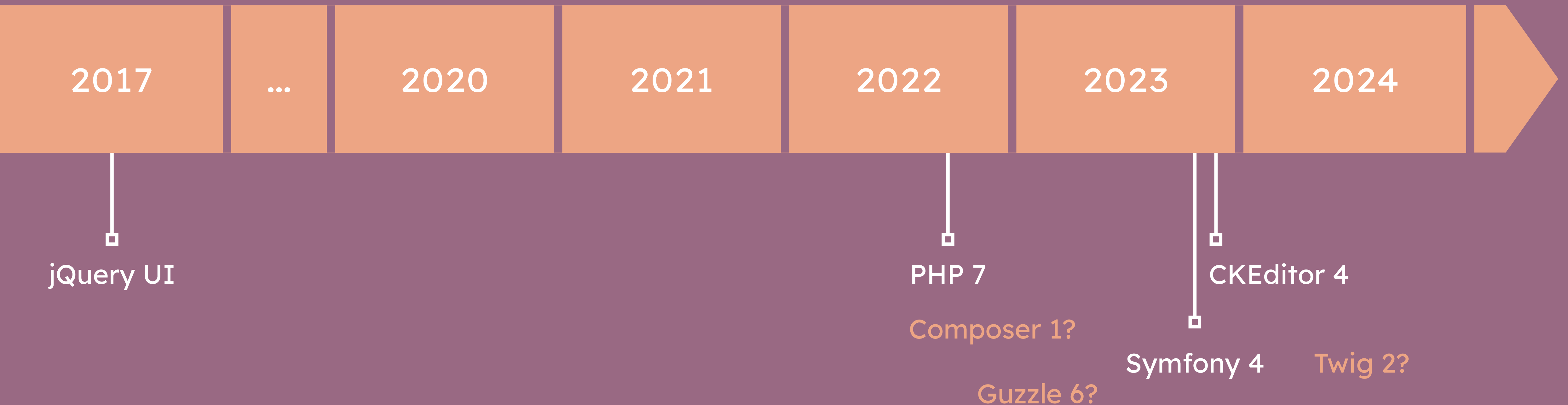
Things
existing
users are
asking us
to do

Things we
must do to
attract new
users and
stay relevant

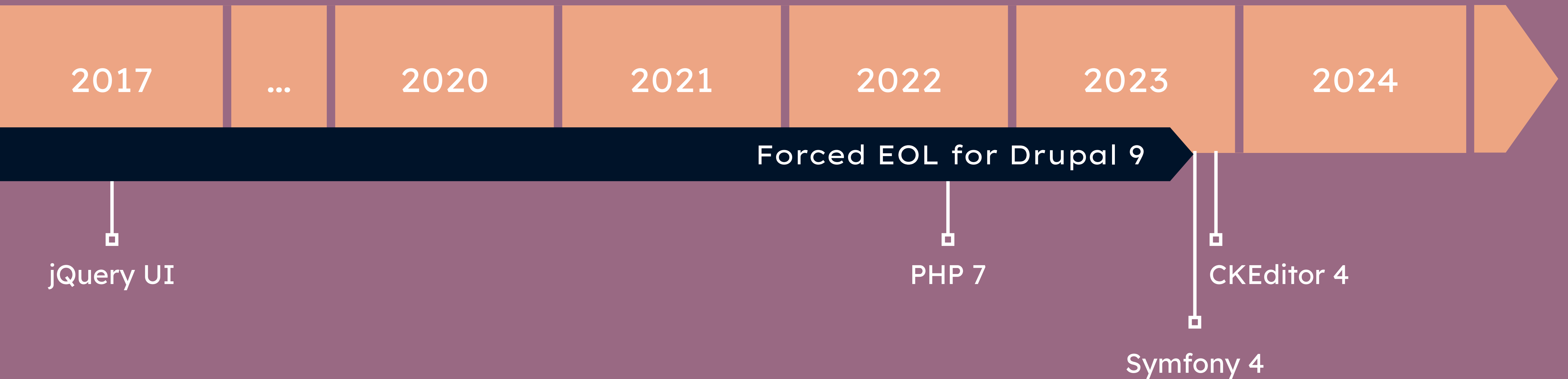


Drupal depends on third-party
components that will go
end-of-life

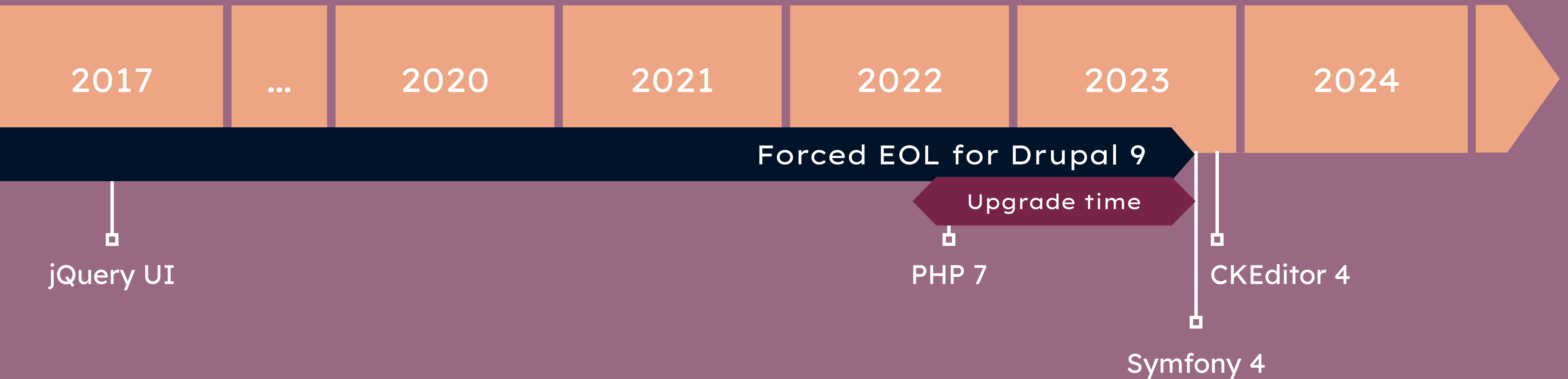
Drupal depends on third-party components that will go *end-of-life*



We need to update or replace these
before the end-of-life dates

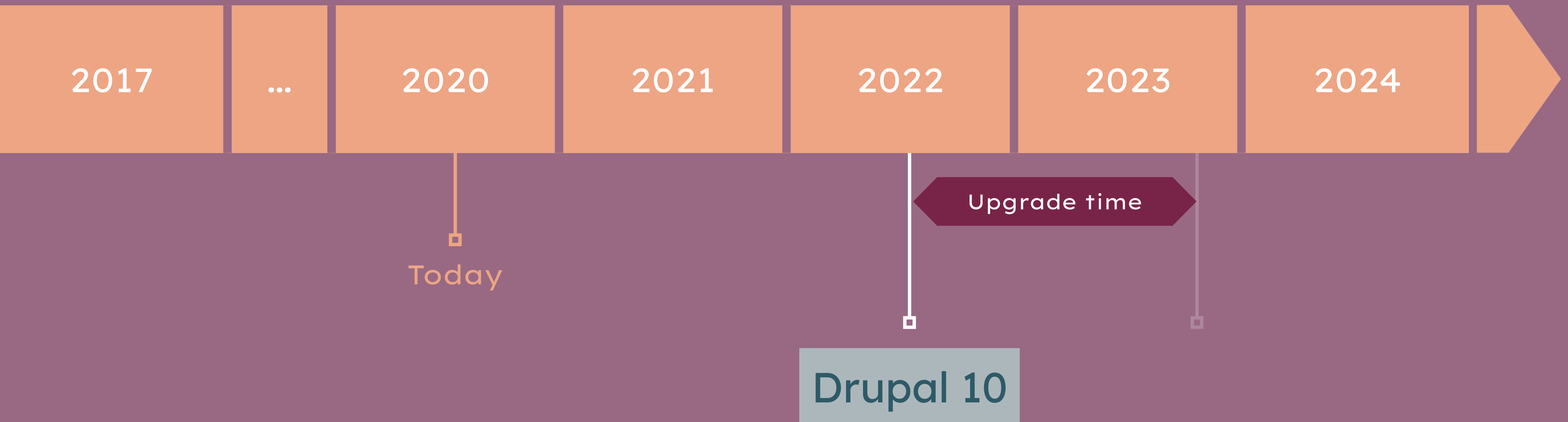


We need to allow plenty of
time to upgrade



Details at <https://www.drupal.org/project/drupal/issues/3118143>

Drupal 10 targeted to be released around **June 2022**



Details at <https://www.drupal.org/project/drupal/issues/3118143>

This will be a much shorter release cycle
than Drupal 9

What?

I have to upgrade again in 2 years?!

2017

...

2020

2021

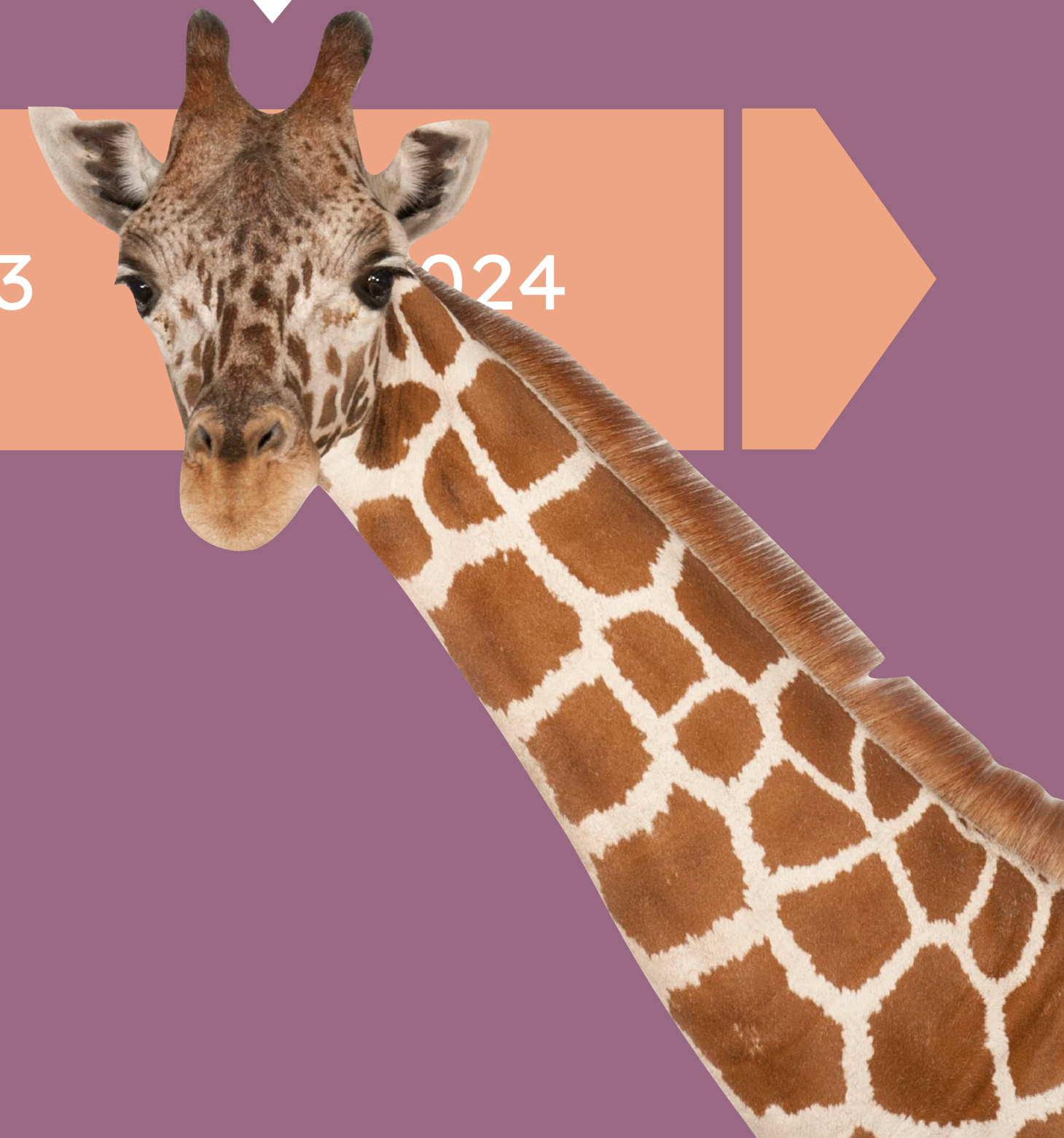
2022

2023

2024

Today

Drupal 10



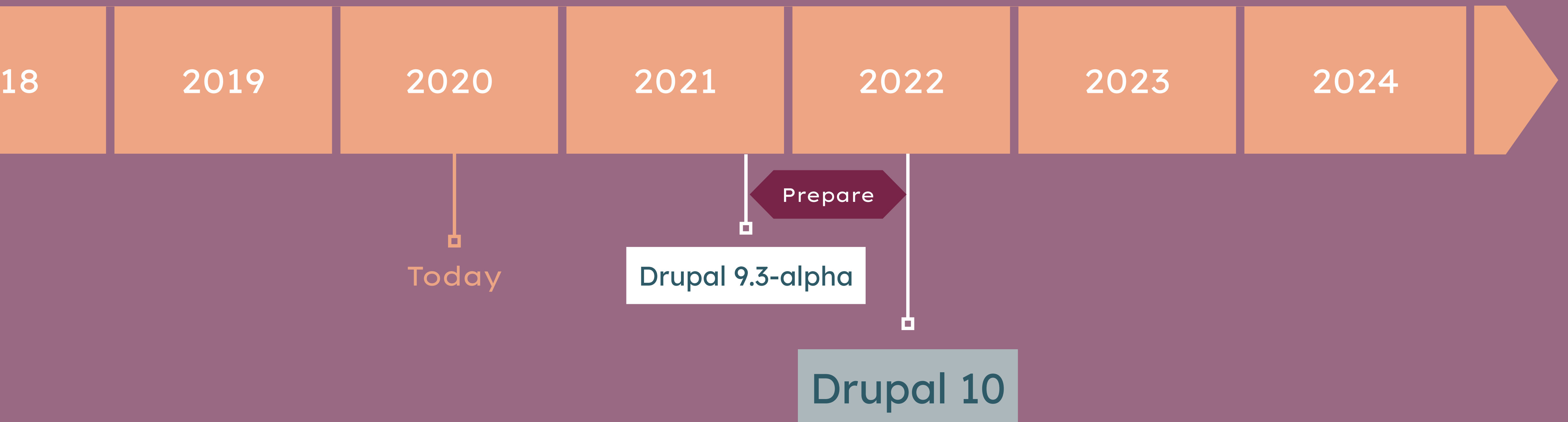
Drupal upgrades are easier than ever before!

We'll make this process even smoother
with lessons learned from Drupal 9



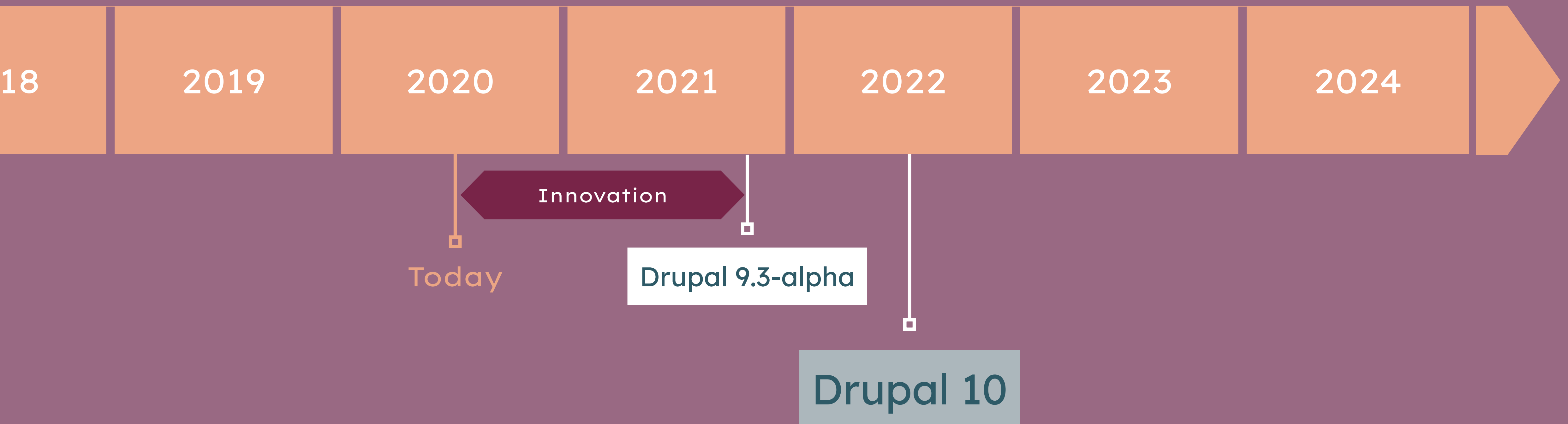
Details at <https://www.drupal.org/project/drupal/issues/3118143>

Introducing new features + replacements before Drupal 10? 9.3-alpha is the last chance

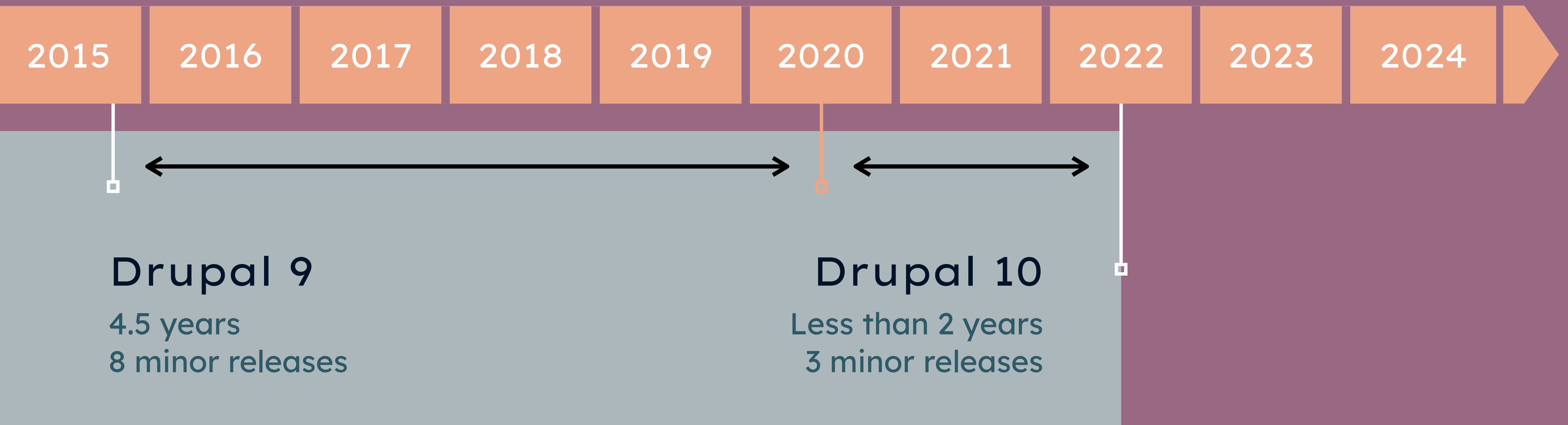


Details at <https://www.drupal.org/project/drupal/issues/3118143>

We only have 16 months to
innovate on Drupal 10

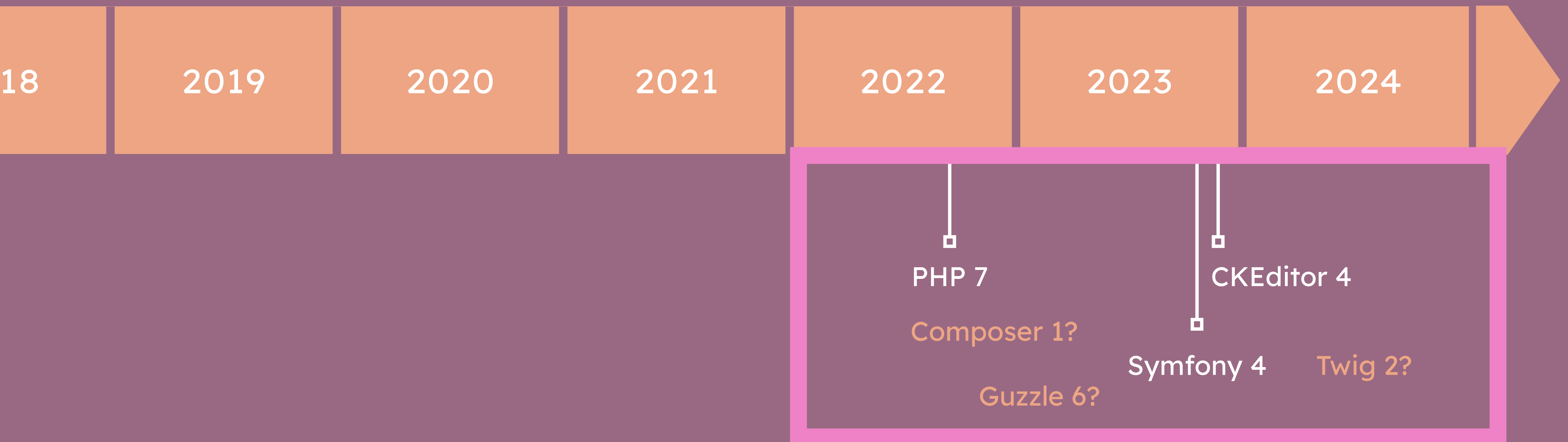


This will be a much shorter release cycle than
Drupal 9



Details at <https://www.drupal.org/project/drupal/issues/3118143>

Our first + most important initiative to upgrade EoL dependencies: Drupal 10 Readiness initiative



Drupal 10 Readiness initiative

From Drupal 9	To Drupal 10	Effort	Advantages
jQuery 3	jQuery 4 (or reduced jQuery)	Extra large	More modern JS
CKEditor 4	CKEditor 5 or ?	Extra Large	Improved authoring
jQuery UI	Use-case specific solutions	Large	More modern JS
PHPUnit 8	PHPUnit 10 or 11	Large	Ongoing support
Symfony 4	Symfony 6	Large	Longer release support
	Symfony 5	Medium	Faster
PHP 7	PHP 8	Medium	Faster
Composer 1	Composer 2	Medium	Faster
Guzzle 6	Guzzle 7	Medium	PSR-18 support

Initiatives to consider

Things
that are
mandatory

Drupal 10 readiness

Things we
already
started

Things
existing
users are
asking us
to do

Things we
must do to
attract new
users and
stay relevant

Initiatives to consider

Things
that are
mandatory

Drupal 10 readiness

Things we
already
started

Things
existing
users are
asking us
to do

Things we
must do to
attract new
users and
stay relevant



Drupal already has some amazing
initiatives in the works

Add or select media



Add file

No file selected.

Name

Sort by

Newest first ▼

Apply filters

☒ Grid ☐ Table



504

Gateway Timeout

504.jpg



503

Service Unavailable

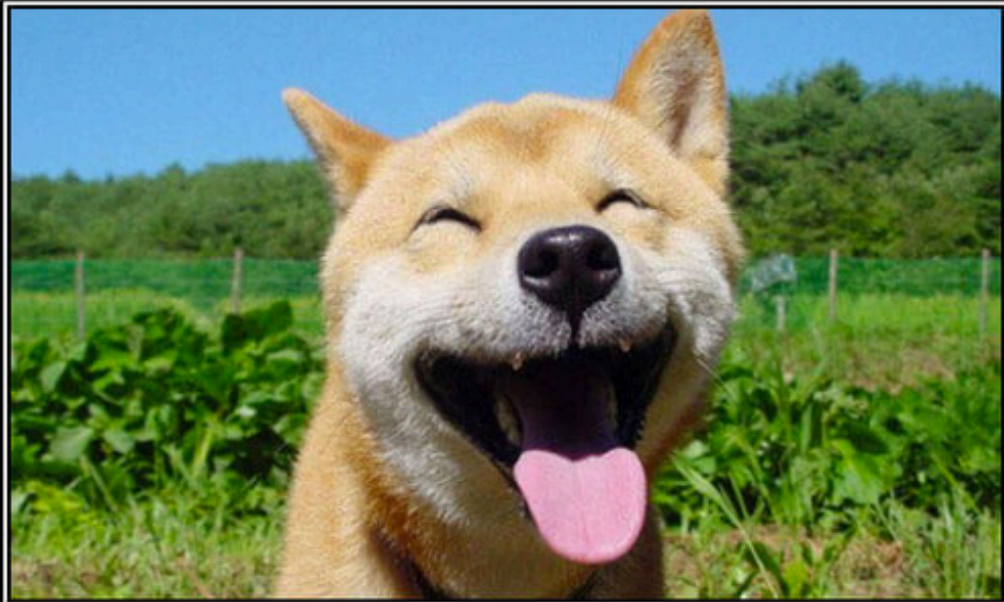
503.jpg



444

No Response

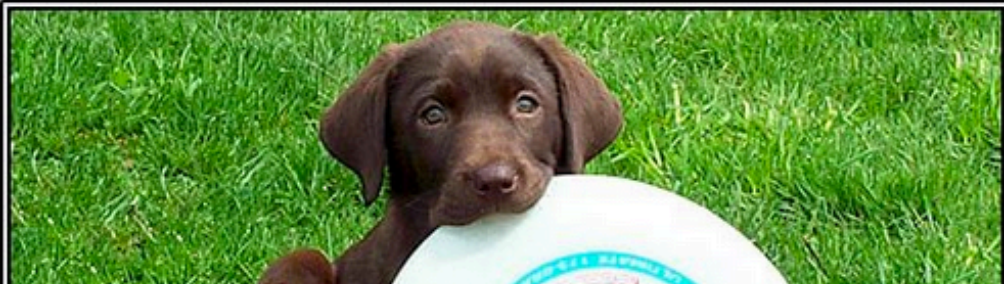
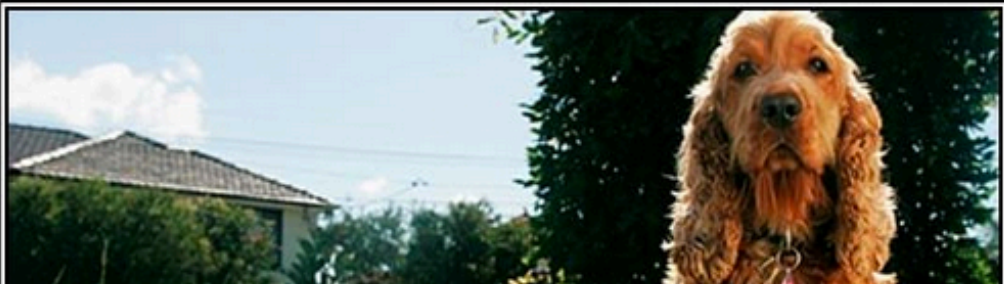
444.jpg



420

Enhance Your Calm

420.jpg



Insert selected

0 of 1 item selected

Media

STATUS

Stable: ✓
Enabled by default: No

TO DO

- Add missing upgrade path
- Content moderation integration
- CKEditor integration (99% done)
- UX and accessibility improvements

Add or select media

Add file

Browse...

No file selected.

Sort by

Newest first ▼

Apply filters



503

Service Unavailable

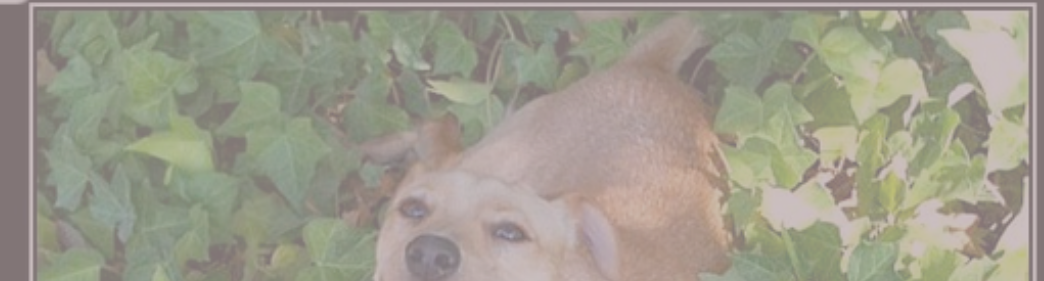
503.jpg



444

No Response

444.jpg



Insert selected



D8 Layouts

Home

My account Log out

Home » Test Sections 4

Search



Tools

[Add content](#)

Edit layout for *Test Sections 4*

[Add Section](#)



[Add Block](#)

[Add Block](#)

[Add Block](#)

[Add Section](#)



[Add Block](#)

[Add Block](#)

Search form



Who's online

There are currently 1 users online.

[admin](#)

[Add Section](#)



Content

[Html Text Embed block](#)

[Node Embed](#)

core

[Page title](#)

[Primary admin actions](#)

[Tabs](#)

Forms

[Search form](#)

[User login](#)

Help

[Help](#)

Lists (Views)

[Recent comments](#)

[Recent content](#)

[Who's online](#)

Menus

[Administration](#)

[Footer](#)

[Main navigation](#)

[Tools](#)

[User account menu](#)

[Shortcuts](#)

Placeholder Blocks

Layout Builder

STATUS

Stable: ✓
Enabled by default: No

TO DO

- Remove old block placement UI
- UX and accessibility improvements

The screenshot displays the D8 Layout Builder interface. At the top, there is a navigation bar with tabs for 'Manage', 'Shortcuts', 'admin', 'Content Layout', 'Save Layout', and 'Cancel Layout'. Below this is a secondary navigation bar with icons and labels for 'Content', 'Structure', 'Appearance', 'Extend', 'Configuration', 'People', 'Reports', and 'Help'. On the right side of the top bar, there are links for 'My account' and 'Log out'. The main header area features the 'D8 Layouts' logo and a 'Home' button. Below the header, a breadcrumb trail shows 'Home » Test Sections 4'. The central area is titled 'Edit layout for Test Sections 4' and contains a visual representation of the page layout. This layout is composed of several sections and blocks, each outlined with a dashed border. Sections are labeled 'Add Section', and blocks are labeled 'Add Block'. Some blocks are already populated with content, such as a 'Search form' and a 'Who's online' block showing 'There are currently 1 users online.' and the name 'admin'. On the right side of the interface, there is a sidebar with a list of available content types and blocks, including 'Content', 'Html Text Em...', 'Node Embed', 'core', 'Page title', 'Primary admin', 'Tabs', 'Forms', 'Search form', 'User login', 'Help', 'Help', 'Lists (Views)', 'Recent comm...', 'Recent conten...', 'Who's online', 'Menus', 'Administration', 'Footer', 'Main navigatio...', 'Tools', 'User account', 'Shortcuts', and 'Placeholder B...'. The interface is designed to allow users to drag and drop blocks into the layout sections to build the page structure.

Home > Administration

Content

ContentFiles

+ Add content

Title

Content type

Published status

Language

Filter

<input type="checkbox"/>	Title	Content type	Author	Status	Updated	Operations
<input type="checkbox"/>	Morbi leo risus, porta ac consectetur ac	Event landing page	admin	Published	11/02/2018 - 14:42	<div>Edit</div>
<input checked="" type="checkbox"/>	Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus	Article	Marthae	Published	10/19/2018 - 19:23	<div>Edit</div>
<input type="checkbox"/>	Etiam porta sem malesuada magna mollis euismod	Article	Sam	Published	10/19/2018 - 19:23	<div>Edit</div>
<input type="checkbox"/>	Nulla vitae elit libero, a pharetra augue	Basic page	John	Published	10/19/2018 - 19:23	<div>Edit</div>

New admin theme

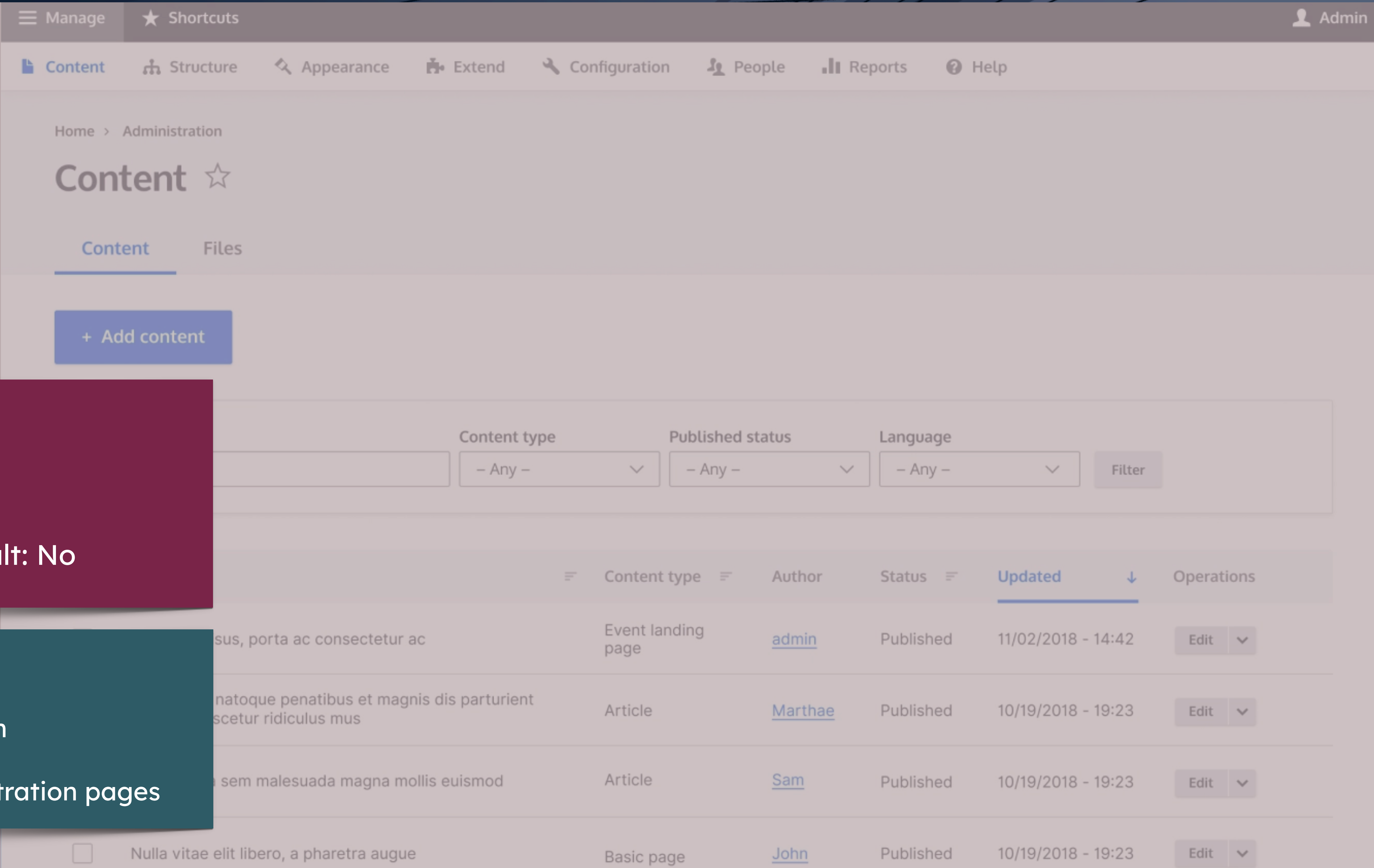
Claro

STATUS

Beta: ✓
Stable: No
Enabled by default: No

TO DO

- Media integration
- Toolbar support
- Modules administration pages



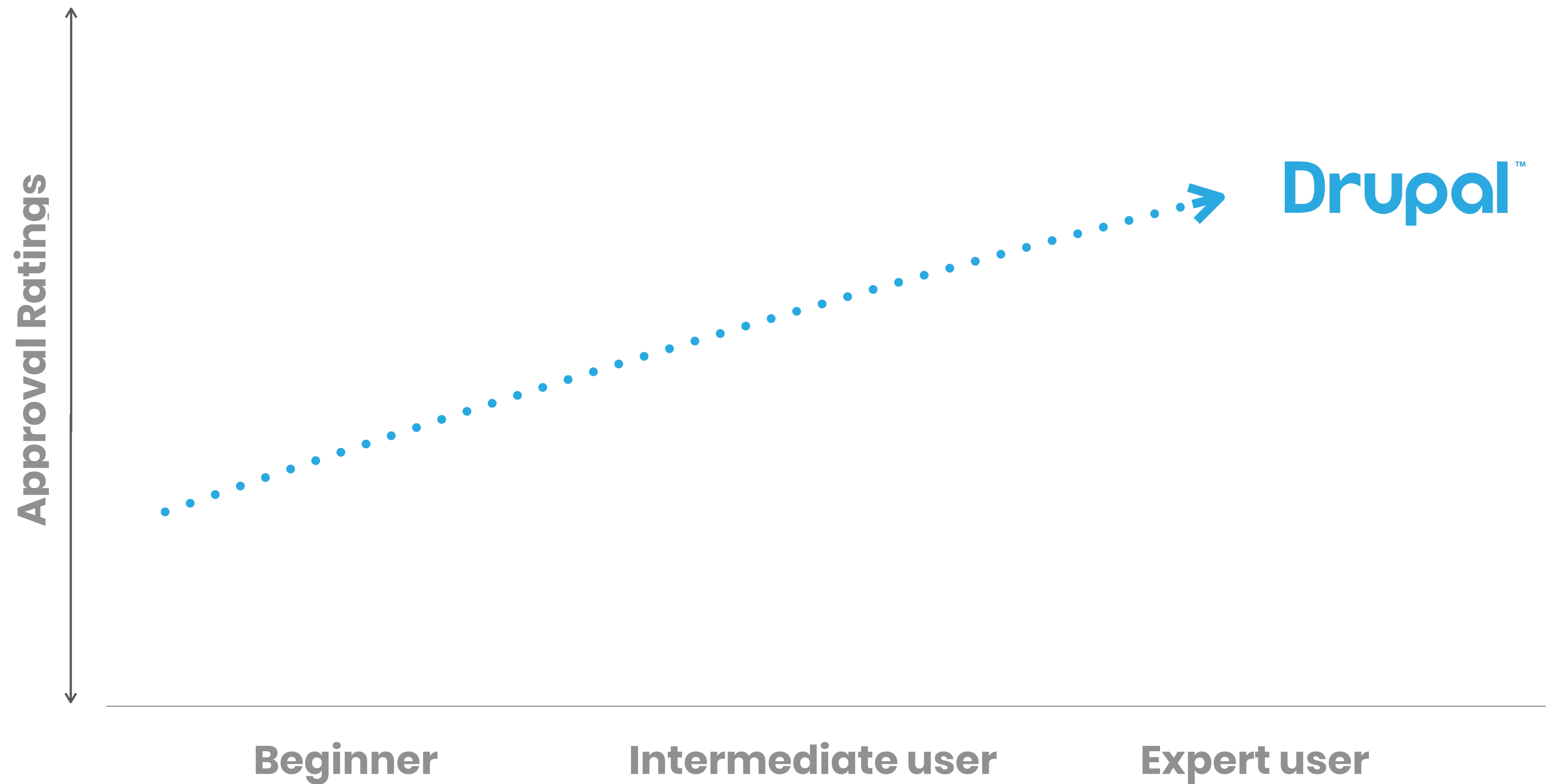
Help get this over
the finish line!



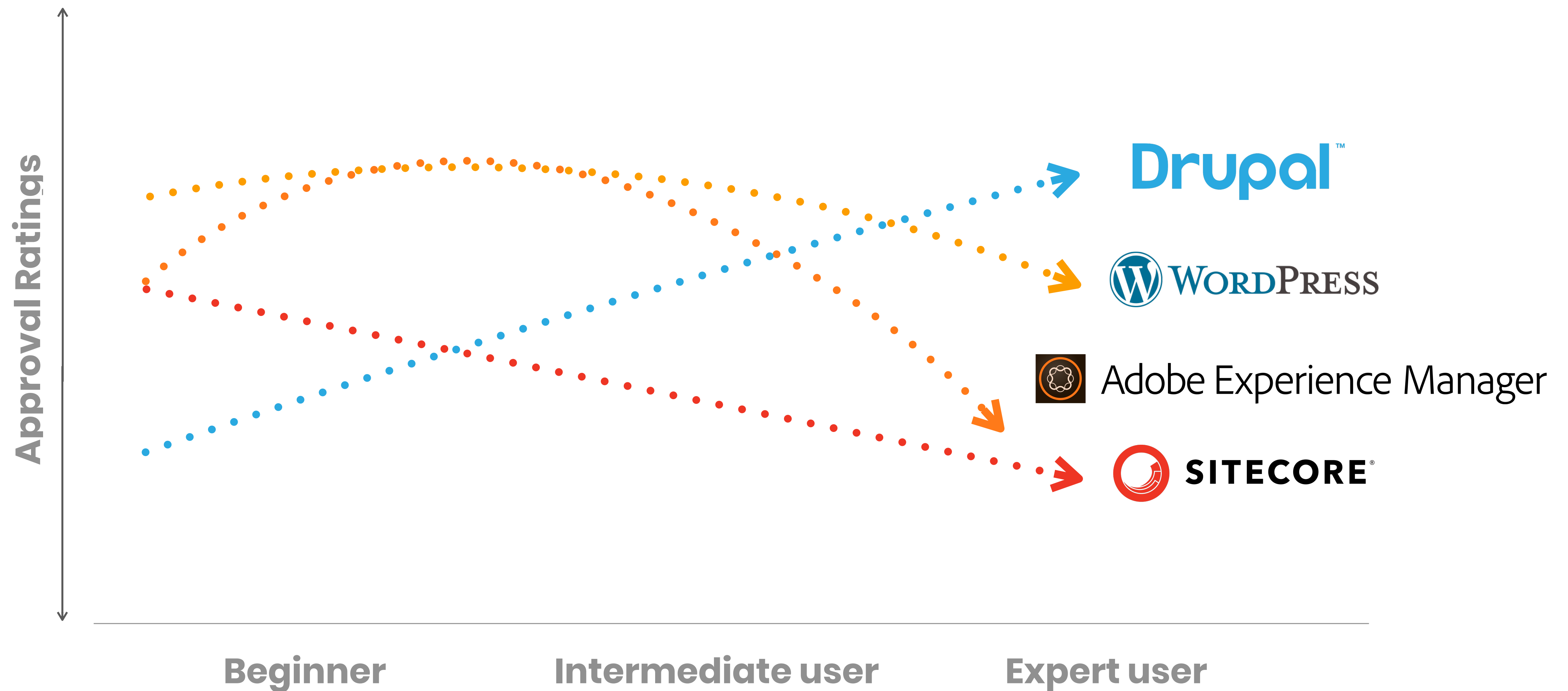
Media + Layout Builder + Claro =
'Easy out of the box' initiative



Drupal vs. other CMSs over time



Drupal vs. other CMSs over time



Initiatives to consider

Things
that are
mandatory

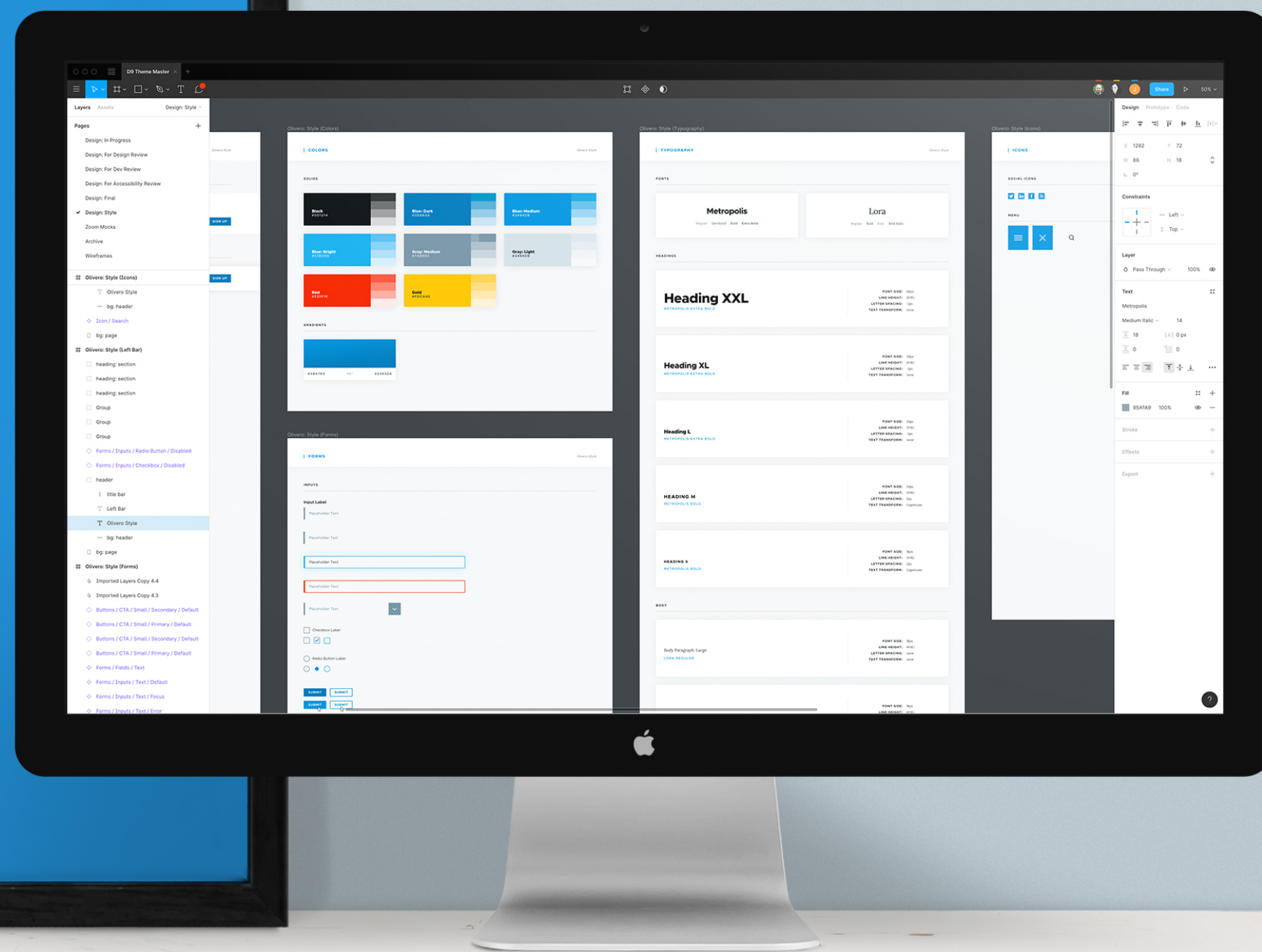
Drupal 10 readiness

Things we
already
started

Easy out-of-the-box

Things
existing
users are
asking us
to do

Things we
must do to
attract new
users and
stay relevant



New front-end theme

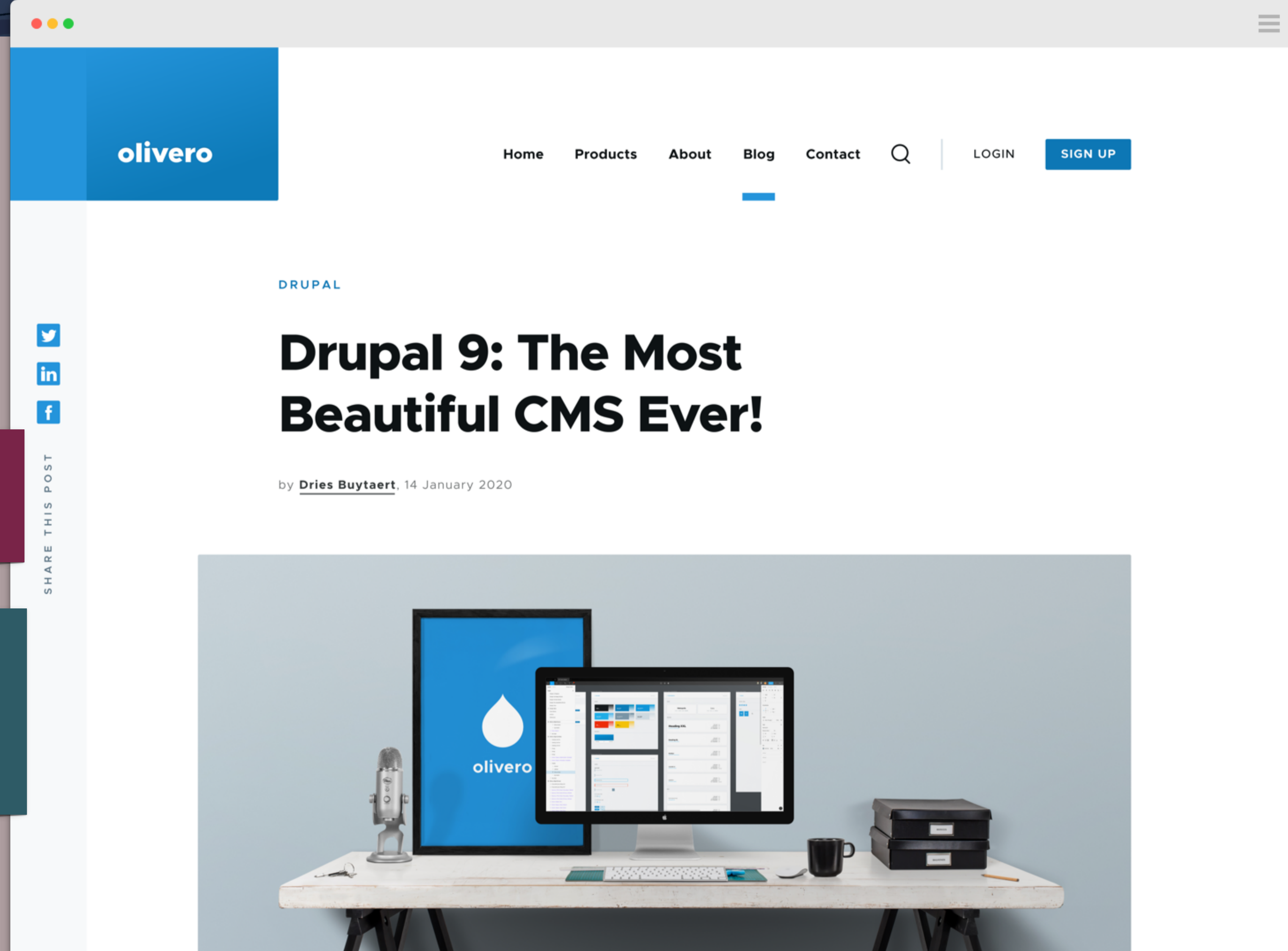
Olivero

STATUS

In core: No

TO DO

- Add it to Drupal core, make it stable and enable it by default



Initiatives to consider

Things
that are
mandatory

Drupal 10 readiness

Things we
already
started

New front end theme

Easy out-of-the-box

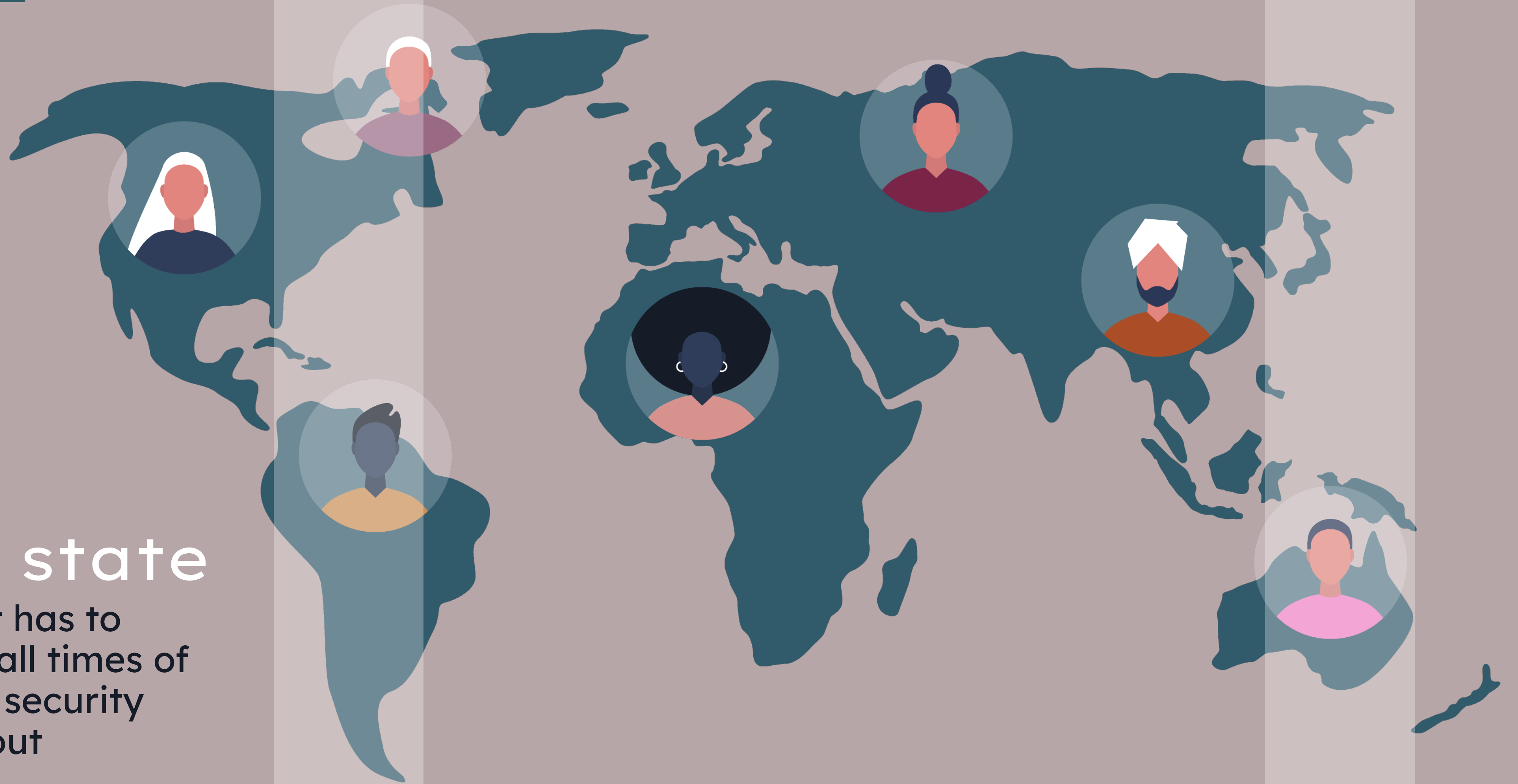
Things
existing
users are
asking us
to do

Things we
must do to
attract new
users and
stay relevant

Automated updates

Current state

A Drupal expert has to be available at all times of the day when a security release comes out



Release
12:00pm EST

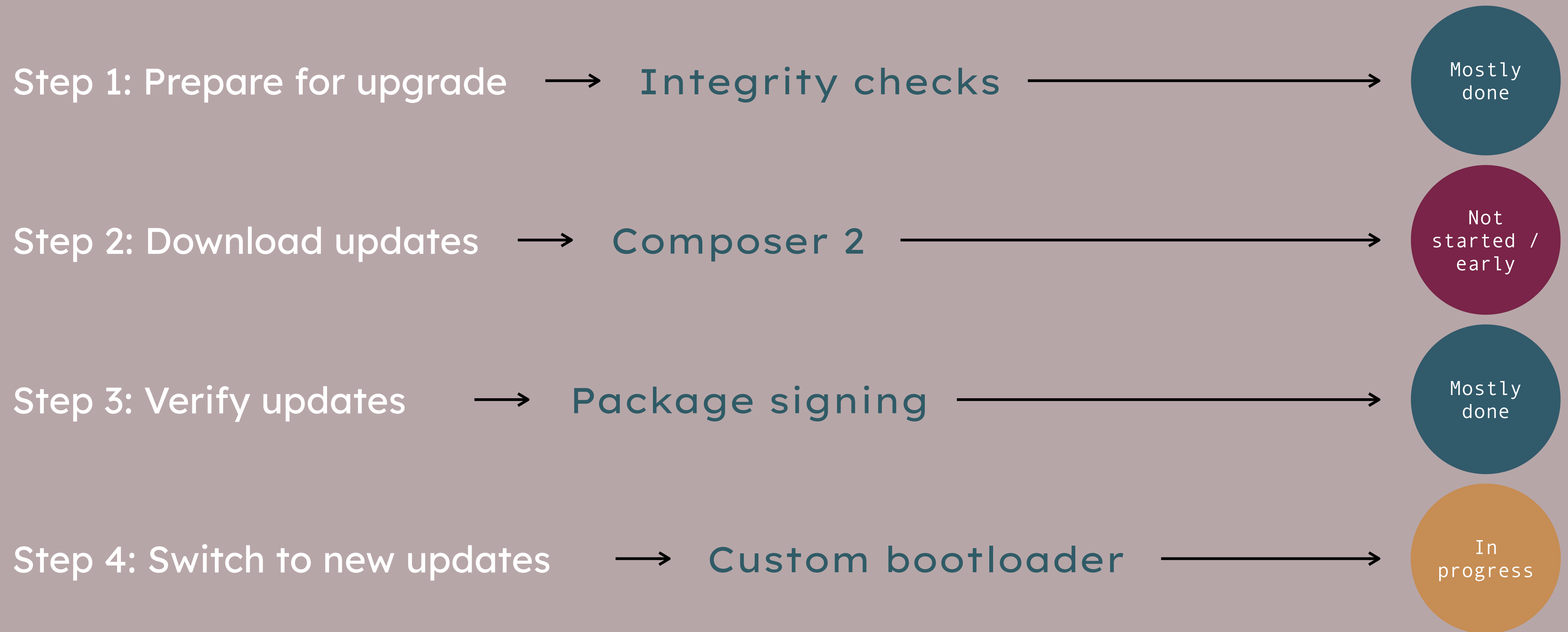
Release
2:00am AEST



Automated updates

An existing initiative, so we already have a plan and
made important progress

Problem broken down into 4 parts



Automated updates

Site owners will
sleep soundly when

Security updates
can be automated



Initiatives to consider

Things
that are
mandatory

Drupal 10 readiness

Things we
already
started

Automated updates

New front end theme

Easy out-of-the-box

Things
existing
users are
asking us
to do

Things we
must do to
attract new
users and
stay relevant

Initiatives to consider

Things we
already
started

Automated updates

New front end theme

Easy out-of-the-box

There are many
more things we're
already working on...

Workspaces

Bug smash initiative

New help topics

Configuration management 2.0

Initiatives to consider

Things
that are
mandatory

Drupal 10 readiness

Things we
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Automated updates

New front end theme

Easy out-of-the-box

Things
existing
users are
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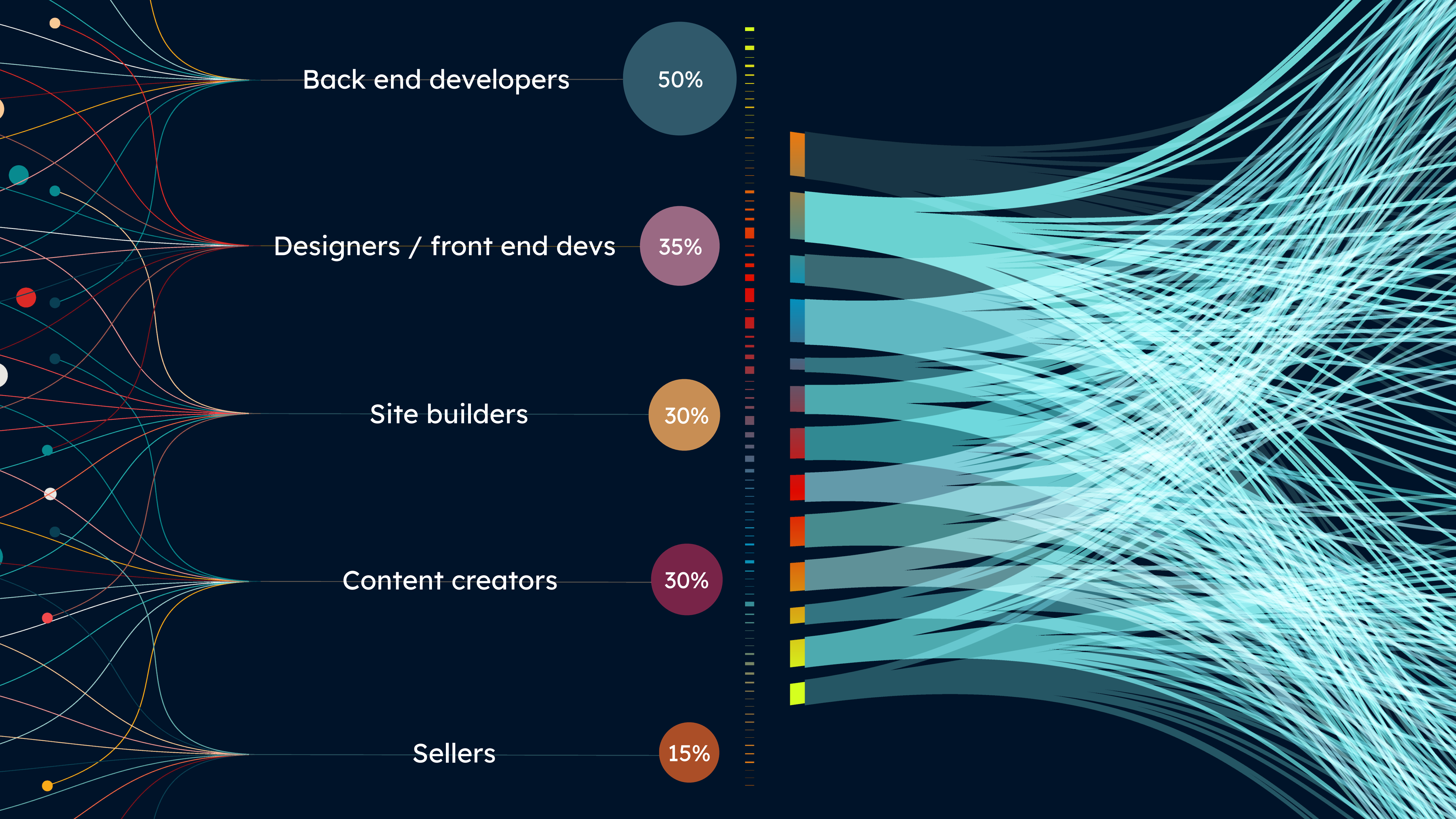
Things we
must do to
attract new
users and
stay relevant



Guess what?
We did a **survey!**

2,222
people
took the
survey

Raw data from the survey to be posted soon at <https://dri.es>



Top 2 items for

Back end developers

by

Back end developers

Designers / front end devs

by

Designers / front end devs

Site builders

by

Site builders

Content creators

by

Content creators

Sellers

by

Sellers

with Drupal 8 experience

Number
of answers /
data points

Top 2 items for

Back end developers

by

Back end developers

1,084

Designers / front end devs

by

Designers / front end devs

683

Site builders

by

Site builders

573

Content creators

by

Content creators

554

Sellers

by

Sellers

383

with Drupal 8 experience

TOP SURVEY REQUESTS

Back end developers	
Designers / Front end devs	
Site builders	
Content creators	
Sellers	

TOP SURVEY REQUESTS

Back end developers	
Designers / Front end devs	
Site builders	
Content creators	
Sellers	Better looking admin theme
	Out-of-the-box integrations

TOP SURVEY REQUESTS

Back end developers	
Designers / Front end devs	
Site builders	
Content creators	Modern administration UI
	Easier to use page building tools
Sellers	Better looking admin theme
	Out-of-the-box integrations

TOP SURVEY REQUESTS

Back end developers	
Designers / Front end devs	
Site builders	Automated updates
	More modules in core
Content creators	Modern administration UI
	Easier to use page building tools
Sellers	Better looking admin theme
	Out-of-the-box integrations

TOP SURVEY REQUESTS

Back end developers	
Designers / Front end devs	Modernize JavaScript
	A component-based theme system
Site builders	Automated updates
	More modules in core
Content creators	Modern administration UI
	Easier to use page building tools
Sellers	Better looking admin theme
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TOP SURVEY REQUESTS

Back end developers	Improved API documentation
	Replace Drupal's hook system with events
Designers / Front end devs	Modernize JavaScript
	A component-based theme system
Site builders	Automated updates
	More modules in core
Content creators	Modern administration UI
	Easier to use page building tools
Sellers	Better looking admin theme
	Out-of-the-box integrations

The background is a dark navy blue field filled with a complex, abstract pattern. It features numerous thin, curved lines in various colors including magenta, teal, orange, and light blue. These lines often fan out from a point, creating a sense of motion or energy. Scattered throughout the composition are small, solid-colored circles in shades of teal, orange, brown, and light blue, some appearing in small clusters. The overall effect is a vibrant, dynamic, and somewhat chaotic visual texture.

You might wonder:
"What didn't make the list?"

The background is a dark navy blue field filled with a complex, abstract pattern. It features numerous thin, curved lines in shades of magenta, teal, orange, and light blue, radiating from various points. Interspersed among these lines are clusters and individual dots of the same colors, creating a sense of dynamic movement and depth.

You might wonder:
"What didn't make the list?"

A LOT

Back end developers	Designers /Front end devs	Site builders	Content creators	Sellers
<ol style="list-style-type: none"> Improved Drupal API documentation Replace Drupal's hook system with events Improved developer experience with more consistent APIs Improve, rework, and modernize older APIs and components (e.g., Symfony, Translation, Form, Render, Batch) A Drush-like CLI in core Unified entity access API Improved Composer support (e.g. replace info.yml files, distribution packaging) Easy local development solution Remove extraneous product features from core, in favor of contrib (e.g., Forum) Better automated testing tools Improved support for install profiles/distributions Even better web services support 	<ol style="list-style-type: none"> JavaScript brought up to modern standards A component-based theme system (e.g., reusable interactive theme elements like responsive tables) SDKs for common JavaScript frameworks (e.g., React SDK, Vue.js SDK) Better debugging tools for Twig/CSS Improve and rework rendering and theming APIs Admin interface provided by a JavaScript framework A refreshed default front-end theme Progressive Web App support Support for Open Web (e.g., microformats, decentralized social networks) In-browser theming/design tools 	<ol style="list-style-type: none"> An easier update experience (e.g., automated updates) Add more common modules to core (e.g. Pathauto, Admin Toolbar) Improved Composer support UI for business logic (e.g., Rules in core) Improved configuration management UI for migrations (e.g., Feeds in core) Privacy management support (e.g., user-managed identity access for GDPR) Better and more opinionated getting started docs, and improved contextual help Command-line tools integrated into Core Improved data modeling tools Better support for re-usable, channel-agnostic or "atomic" content Preconfigured content types/fields for common scenarios 	<ol style="list-style-type: none"> Modern administration UI that's snappy and responsive Easier to use page building tools Default blocks, layouts, themes to support no-code page building Editor-specific tools (e.g., per-role dashboards, menus, views) Redesigned information architecture (e.g., re-organization of admin pages) and simplified terminology Better tools to translate or localize content Improved accessibility testing and control More refined draft/publishing control (e.g., inherent staging and approval workflow support) Improved contextual help and overall "how-to" guidance In-browser design tools 	<ol style="list-style-type: none"> A better looking administration experience that demos well "Battle cards" to explain why Drupal is better than its competitors Out-of-the-box integrations to demo how Drupal integrates with marketing solutions A predictable Drupal roadmap Readily available marketing materials (e.g., premade material to address Drupal's security track record) Certification of companies based on contribution credits Easy ability to sponsor contributors or initiatives that I care about Premade material to help address concerns about GPL/open source

TOP SURVEY REQUESTS		BEGINNERS	EXPERTS
Back end developers	Improved API documentation		
	Replace Drupal's hook system with events		
Designers / Front end devs	Modernize JavaScript		
	A component-based theme system		
Site builders	Automated updates		
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Sellers	Better looking admin theme		
	Out-of-the-box integrations		

Beginners vs. Experts

TOP SURVEY REQUESTS			BEGINNERS	EXPERTS
	Back end developers	Improved API documentation		
		Replace Drupal's hook system with events		
	Designers / Front end devs	Modernize JavaScript		★ ★
		A component-based theme system		
	Site builders	Automated updates		
		More modules in core		
	Content creators	Modern administration UI		
		Easier to use page building tools		
	Sellers	Better looking admin theme		
		Out-of-the-box integrations		

Beginners vs. Experts

TOP SURVEY REQUESTS

2 stars = 50% of respondents answered 'Drop everything you are doing and do this!'

	Back end developers	Improved API documentation		
		Replace Drupal's hook system with events		
	Designers / Front end devs	Modernize JavaScript		★ ★
		A component-based theme system		
	Site builders	Automated updates		
		More modules in core		
	Content creators	Modern administration UI		
		Easier to use page building tools		
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Beginners vs. Experts


TOP SURVEY REQUESTS			BEGINNERS	EXPERTS
	Back end developers	Improved API documentation		
		Replace Drupal's hook system with events		
	Designers / Front end devs	Modernize JavaScript		
		A component-based theme system		★
	Site builders	Automated updates		
		More modules in core		
	Content creators	Modern administration UI		
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Beginners vs. Experts

TOP SURVEY REQUESTS

BEGINNERS

EXPERTS

	Back end developers	Improved API documentation Replace Drupal's hook system with events		
	Designers / Front end devs	Modernize JavaScript A component-based theme system		
	Site builders	Automated updates More modules in core		
	Content creators	Modern administration UI Easier to use page building tools		
	Sellers	Better looking admin theme Out-of-the-box integrations		

1 star = 33% of respondents answered 'Drop everything you are doing and do this!'

Beginners vs. Experts

TOP SURVEY REQUESTS		BEGINNERS	EXPERTS
Designers / Front end devs	Back end developers	Improved API documentation	Replace Drupal's hook system with events
	Designers / Front end devs	Modernize JavaScript	A component-based theme system
	Site builders	Automated updates	More modules in core
	Content creators	Modern administration UI	Easier to use page building tools
	Sellers	Better looking admin theme	Out-of-the-box integrations

Shows consensus
(or lack thereof)



TOP SURVEY REQUESTS		BEGINNERS	EXPERTS
Back end developers	Improved API documentation	★	★
	Replace Drupal's hook system with events		★
Designers / Front end devs	Modernize JavaScript		★★
	A component-based theme system		★
Site builders	Automated updates	★★	★★
	More modules in core	★	★
Content creators	Modern administration UI		★
	Easier to use page building tools		★
Sellers	Better looking admin theme	★	★★
	Out-of-the-box integrations		★

Automated updates is #1

TOP SURVEY REQUESTS		BEGINNERS	EXPERTS
Back end developers	Improved API documentation	★	★
	Replace Drupal's hook system with events		★
Designers / Front end devs	Modernize JavaScript		★★
	A component-based theme system		★
Site builders	Automated updates	★★	★★
	More modules in core	★	★
Content creators	Modern administration UI		★
	Easier to use page building tools		★
Sellers	Better looking admin theme	★	★★
	Out-of-the-box integrations		★

Modern administration UI is #2

TOP SURVEY REQUESTS

BEGINNERS

EXPERTS

Back end developers	Improved API documentation	★	★
	Replace Drupal's hook system with events		★
	Modernize JavaScript		★★
	A component-based theme system		★
	Automated updates	★★	★★
	More modules in core	★	★
Content creators	Modern administration UI		★
	Easier to use page building tools		★
Sellers	Better looking admin theme	★	★★
	Out-of-the-box integrations		★

Initiatives to consider

Things that are mandatory

Drupal 10 readiness

Things we already started

Automated updates

New front end theme

Easy out-of-the-box

Things existing users are asking us to do

API documentation

Hooks to events

More modules in core

Modernize JavaScript

Component-based theme

Automated updates ★★

Easier page building

Modern admin UI ★

Things we must do to attract new users and stay relevant

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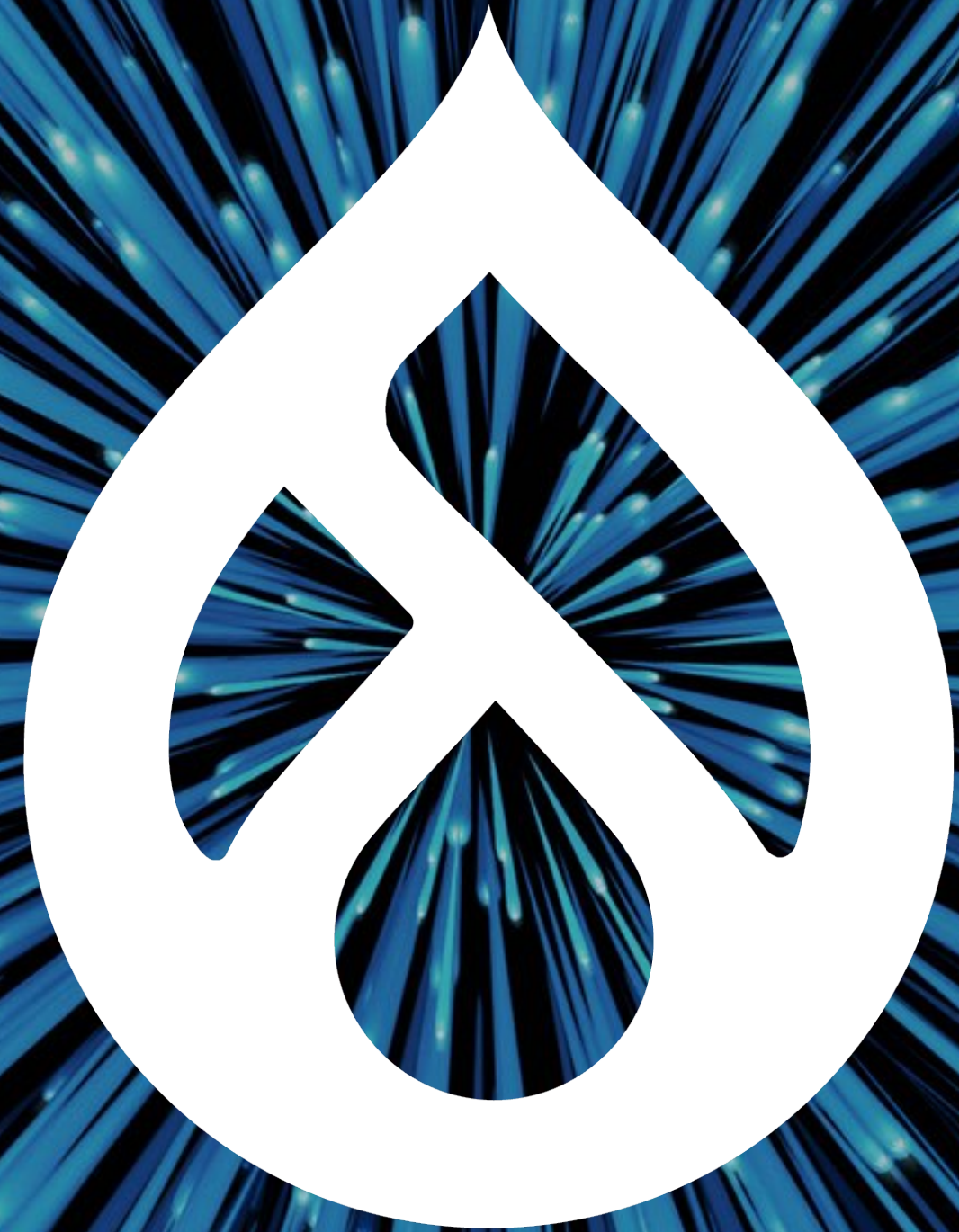
Modern admin UI ★

Things we
must do to
attract new
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stay relevant

FLASHBACK TO
DRUPALCON AMSTERDAM 2019



From
A BROWSER-ONLY WORLD



Devices

Voice

MarTech

Manual entry

JSON

Mobile

HTML

Chat

Fridge

XML

To
**OMNI-CHANNEL, INTEGRATED
DIGITAL EXPERIENCE WORLD**

Today

20B
devices



Today

20B
devices



2030

Today

**20B
devices**



2030

**300B
devices**

To be the CMS of the future, Drupal needs to evolve

from a

Content
repository

to a

Integration framework

Structured data engine

Content
repository



But there is another
important trend...



A person wearing a dark hoodie with a white graphic on the back is walking away from the camera down a crowded city street at night. The street is filled with many other people, mostly seen as silhouettes. The scene is illuminated by warm, yellow-orange streetlights and building lights, creating a bokeh effect with many out-of-focus light circles. The overall atmosphere is busy and urban.

Front end developers don't like PHP

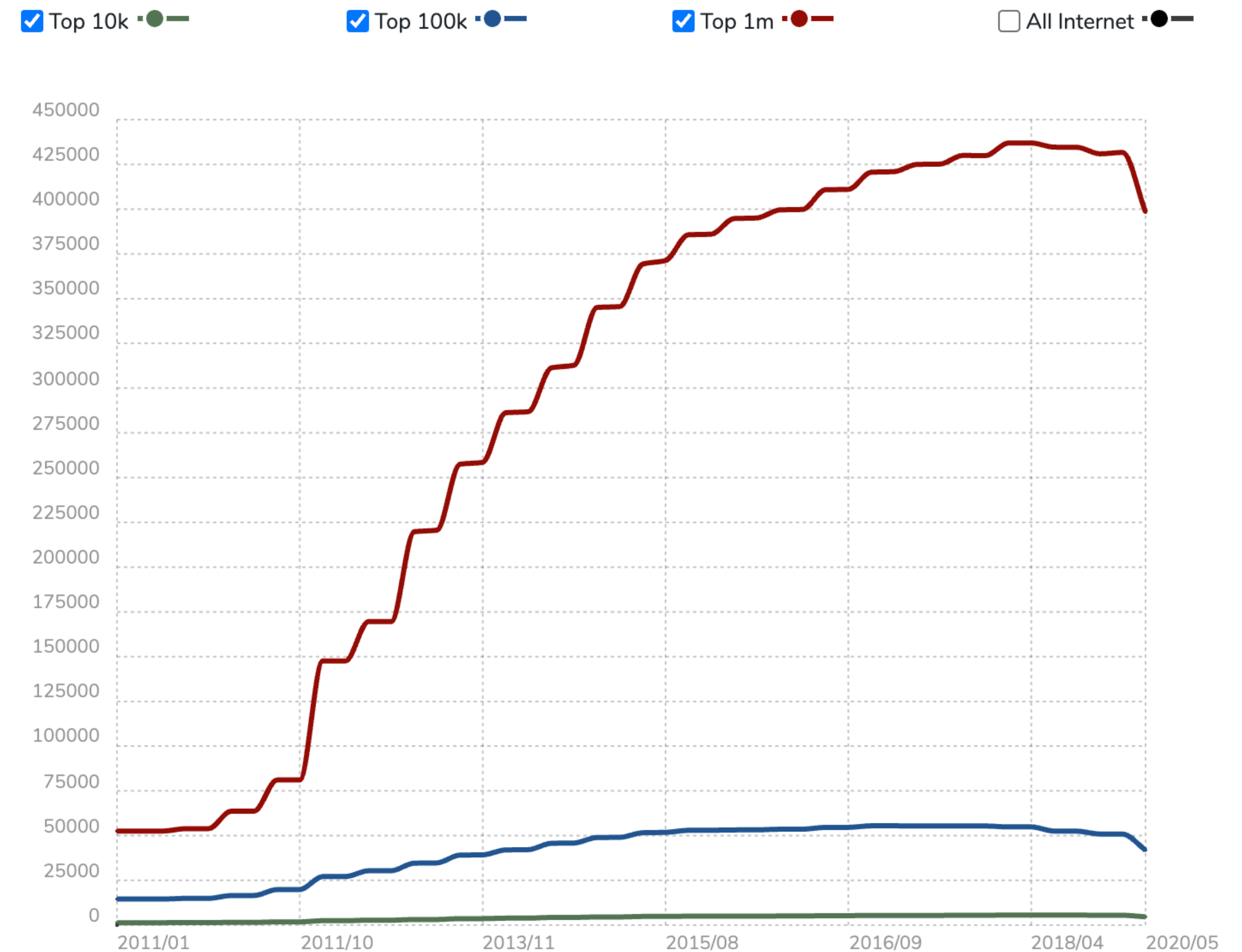


PHP is now
faster + better
than ever before

But to be fair,
the numbers
are declining

Source: <https://trends.builtwith.com/framework/PHP>

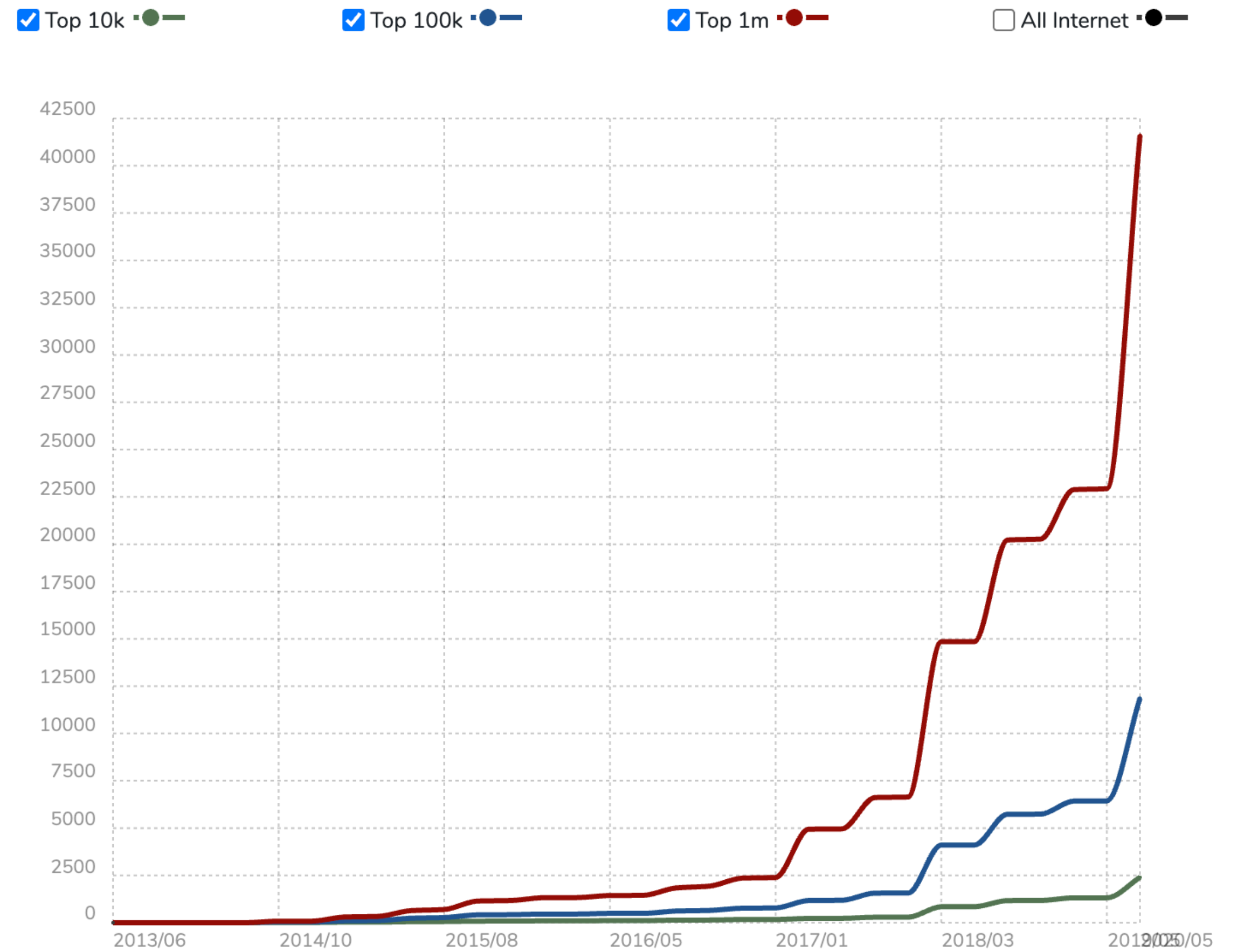
PHP Usage Statistics



...and JavaScript is growing fast

Source: <https://trends.builtwith.com/javascript/React>

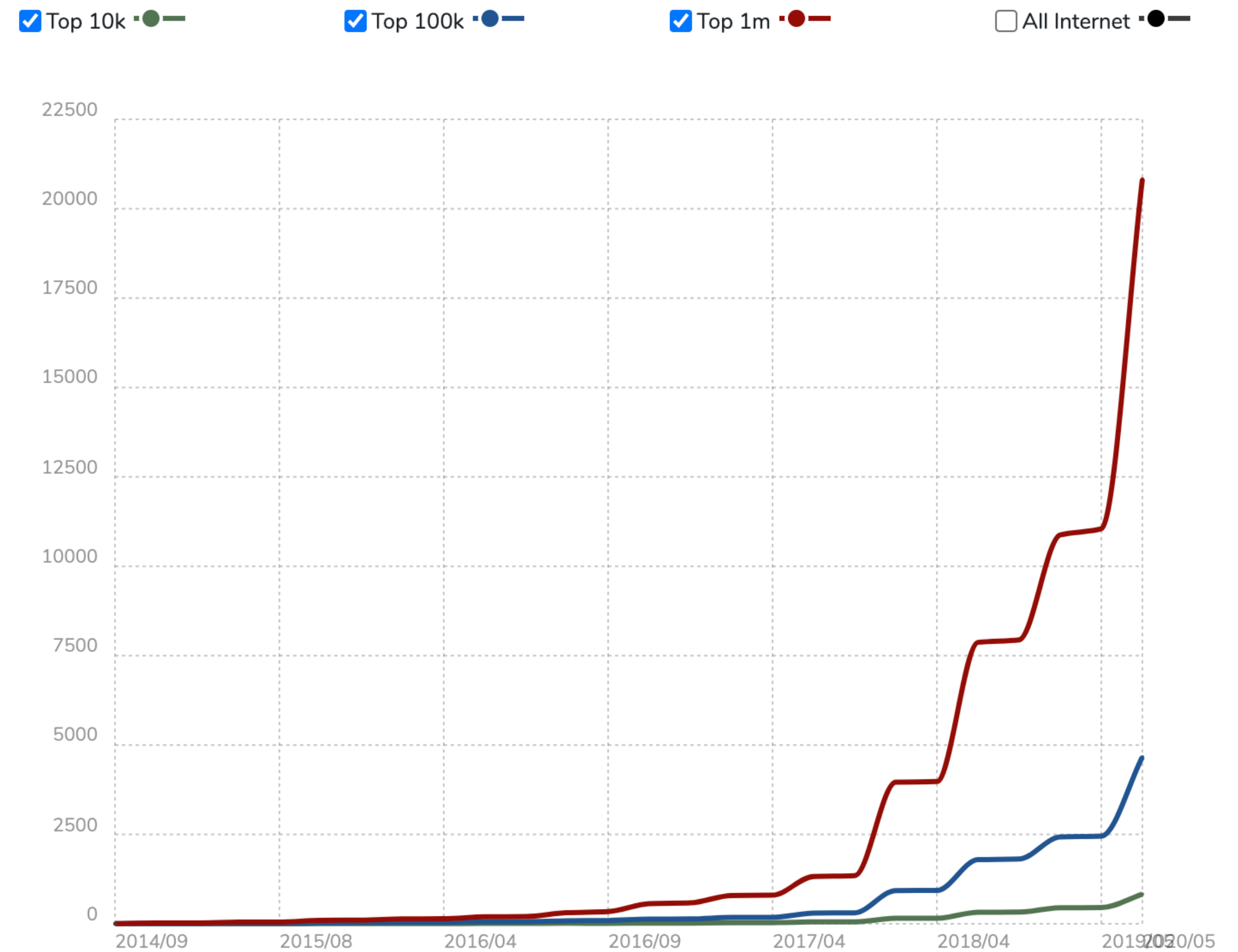
React Usage Statistics



...and JavaScript is growing fast

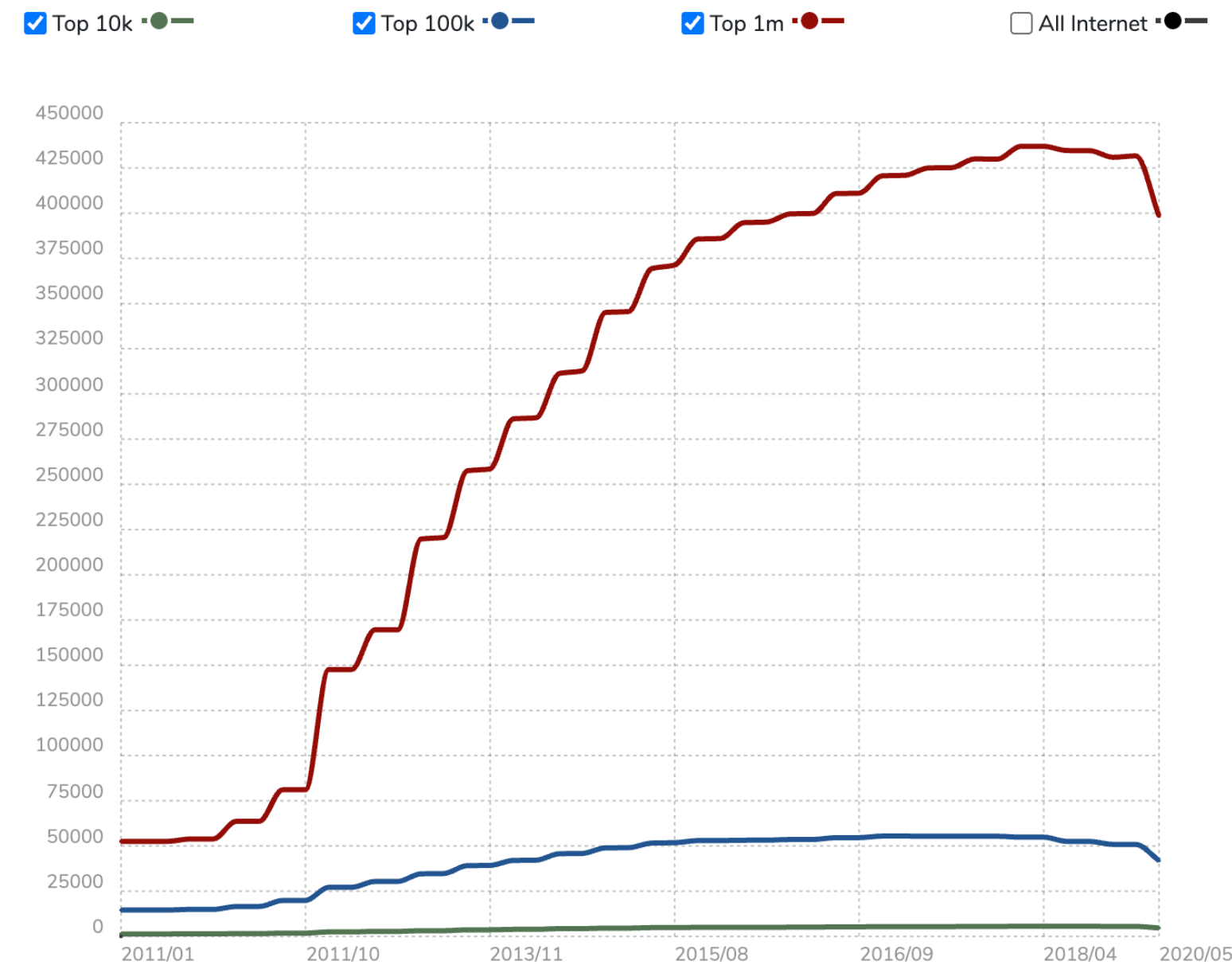
Source: <https://trends.builtwith.com/javascript/Vue>

Vue Usage Statistics

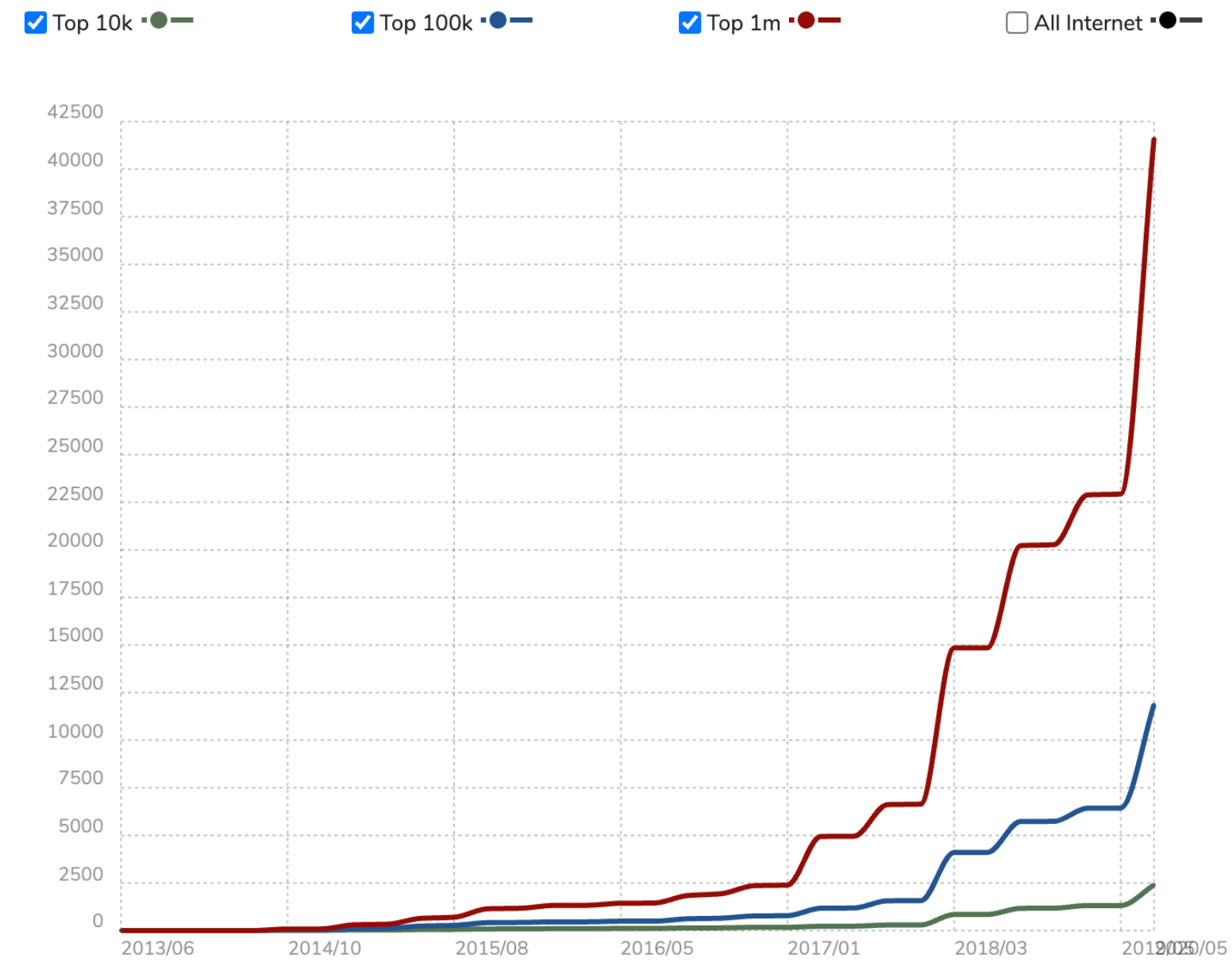


Usage of PHP vs React vs Vue

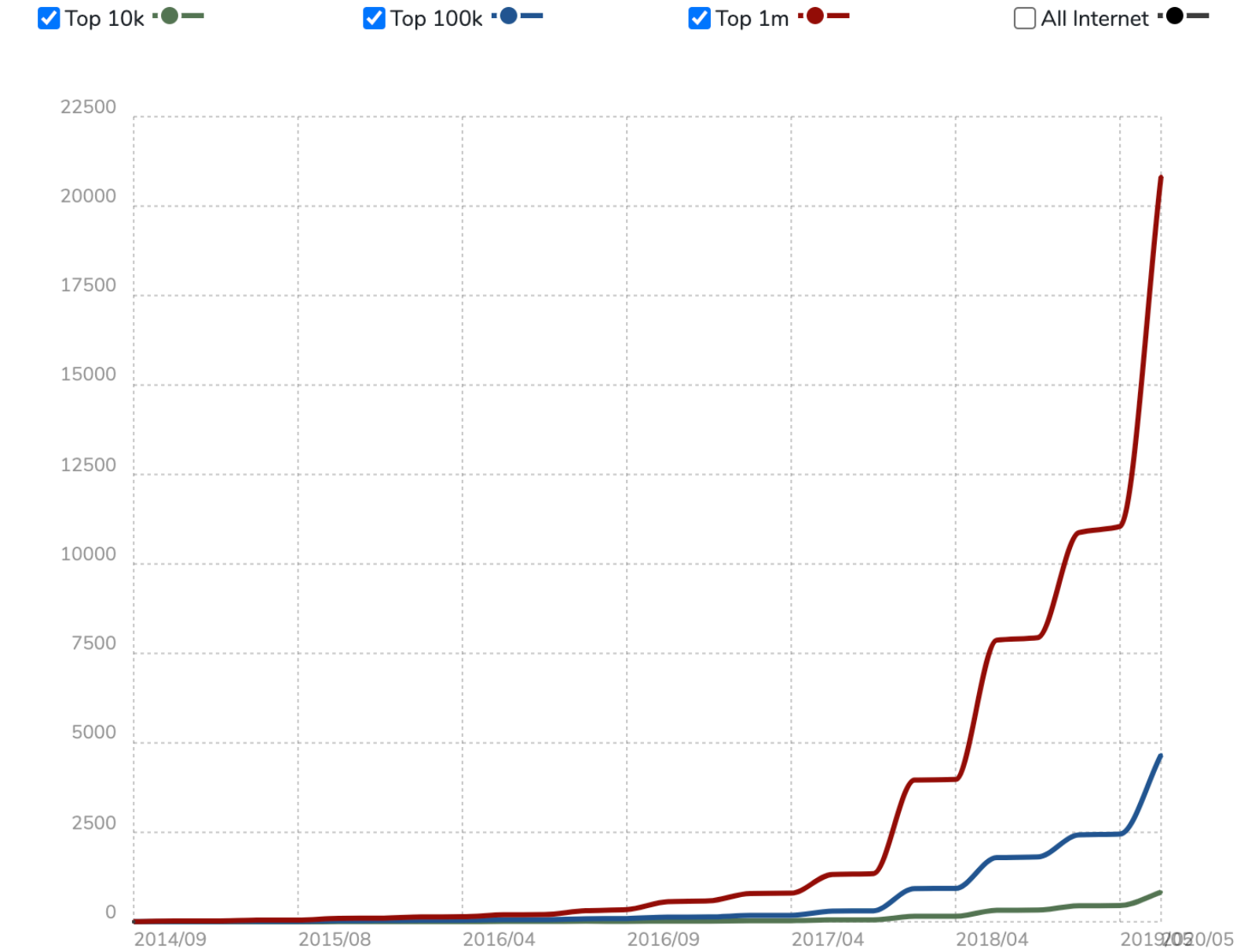
PHP Usage Statistics



React Usage Statistics

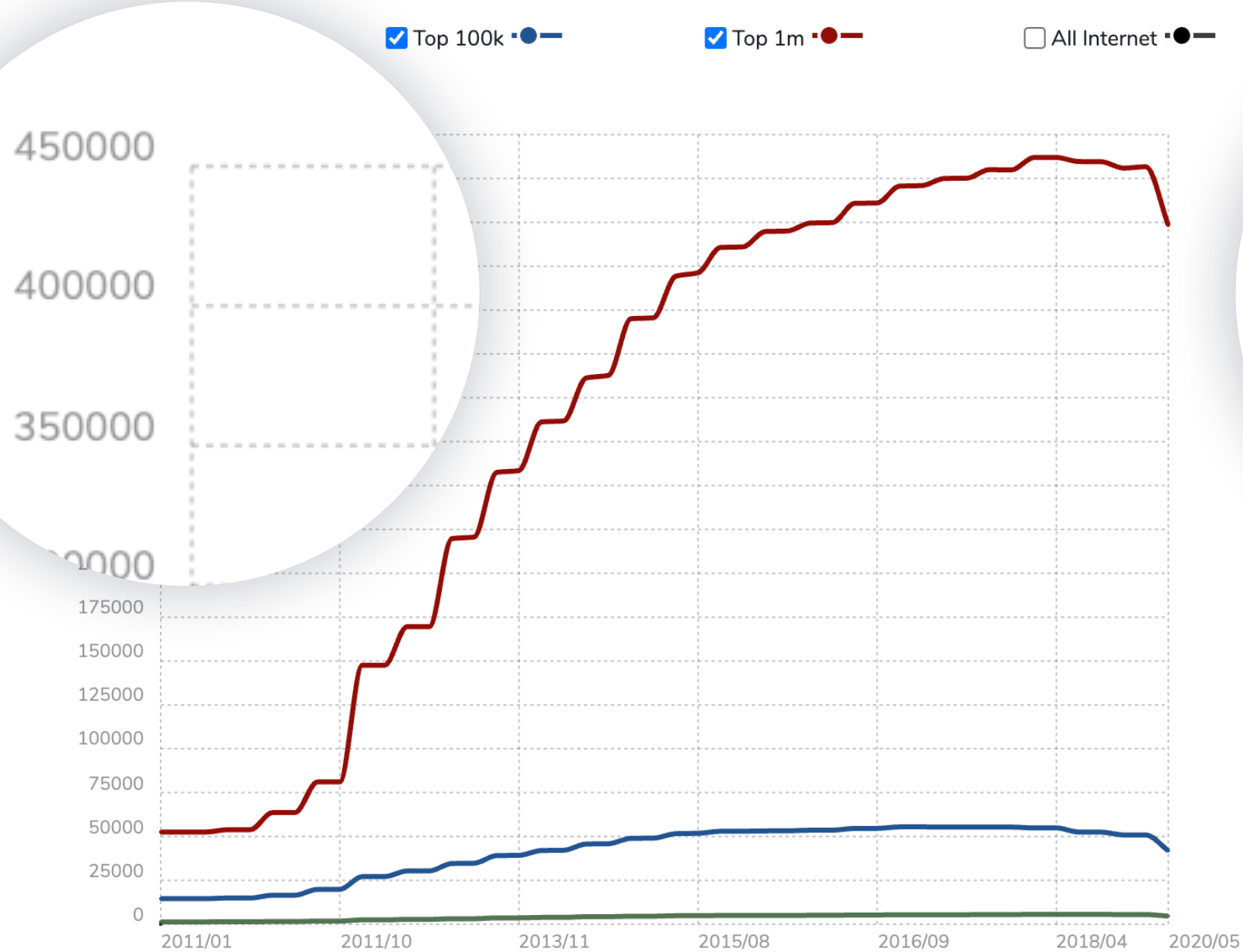


Vue Usage Statistics

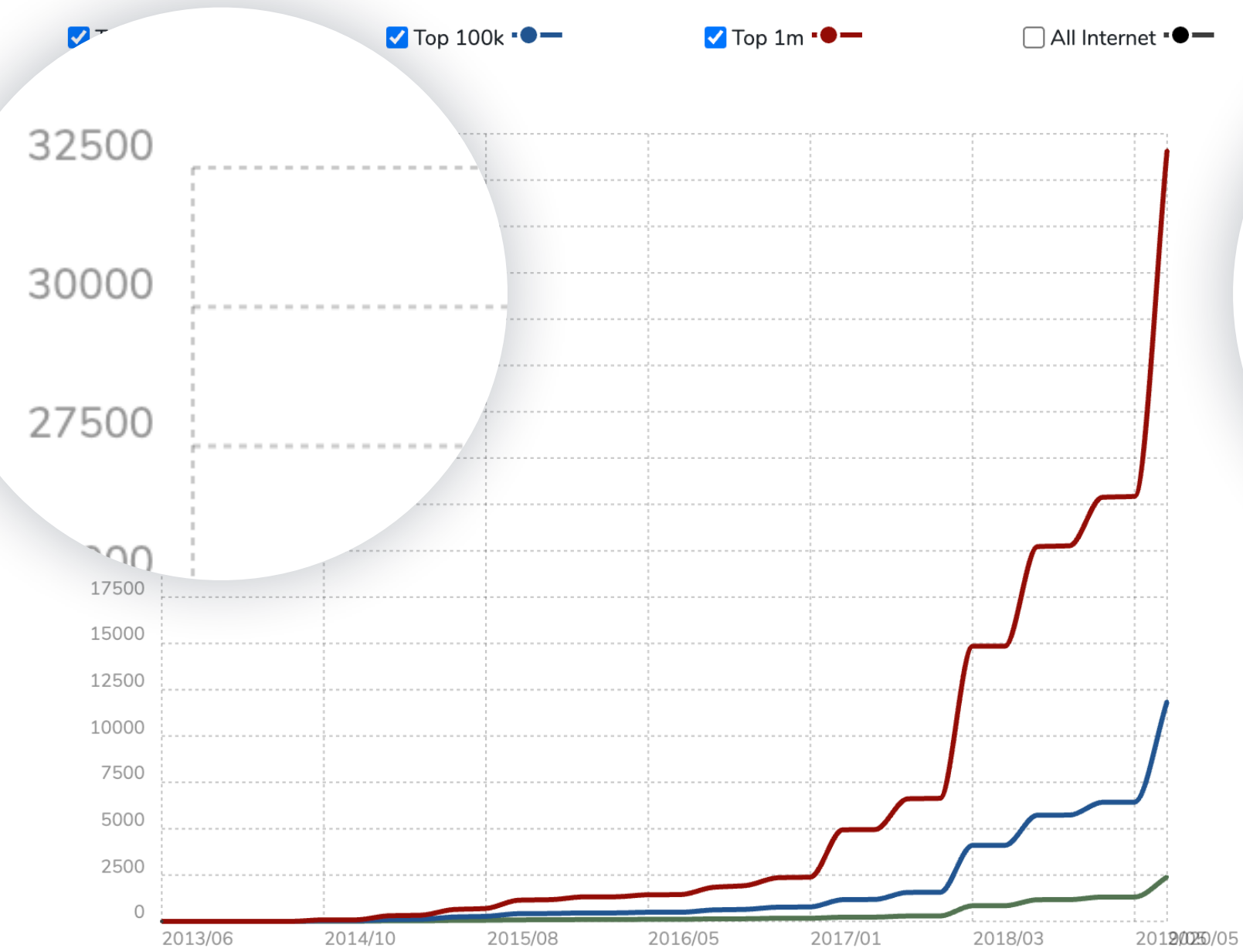


Usage of PHP vs React vs Vue

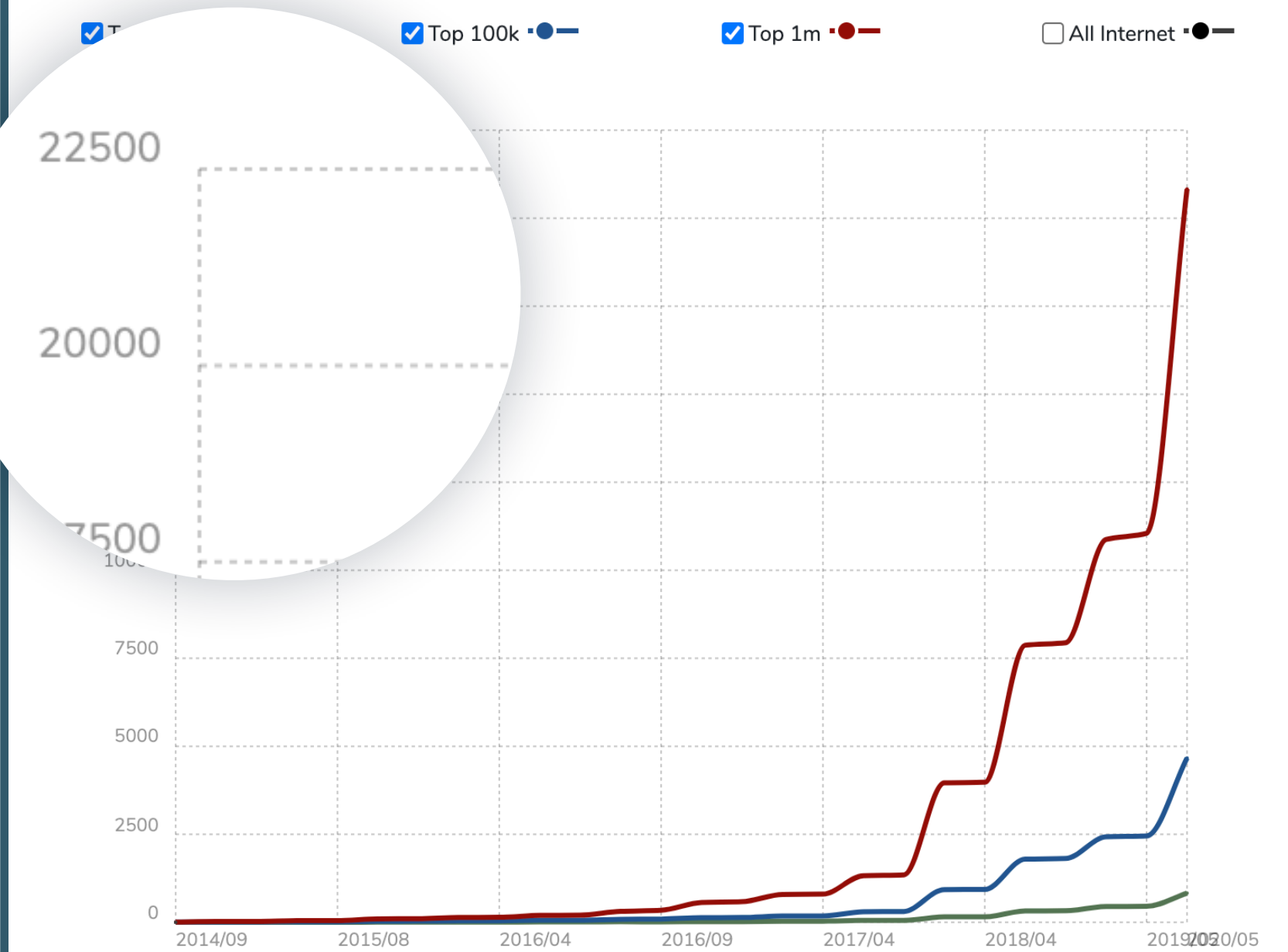
PHP Usage Statistics



React Usage Statistics



Vue Usage Statistics



To be the CMS of the future, Drupal needs to evolve

from a

Content
repository

to a

Integration framework

Structured data engine

Content
repository



To be the CMS of the future, Drupal needs to evolve

from a

Content
repository

to a

JavaScript

Integration framework

Structured data engine

Content
repository



If I were to start
Drupal today,
I'd write its
front end in
JavaScript,
not PHP*.

* the front end, but not
necessarily the backend



Initiatives to consider

Things
that are
mandatory

Drupal 10 readiness

Things we
already
started

Automated updates

New front end theme

Easy out-of-the-box

Things
existing
users are
asking us
to do

API documentation

Hooks to events

More modules in core

Modernize JavaScript

Component-based theme

Automated updates ★★

Easier page building

Modern admin UI ★

Things we
must do to
attract new
users and
stay relevant

JavaScript

Web services

Step 2

Select five initiatives for Drupal 10

Initiative L

Initiative B

Initiative G

Initiative M

Initiative H

Initiative C

Initiative K

Initiative I

Initiative F

Initiative J

Initiative E

Initiative A

Initiative D

Initiative N

Step 2

Select five initiatives for Drupal 10

Initiative L

Initiative 2

Initiative G

Initiative M

Initiative 5

Initiative C

Initiative K

Initiative 4

Initiative F

Initiative 1

Initiative E

Initiative 3

Initiative D

Initiative N

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Drupal 10 Initiatives

Initiative 5 ?

Initiative 4 ?

Initiative 3 ?

Initiative 2 ?

Initiative 1 ?

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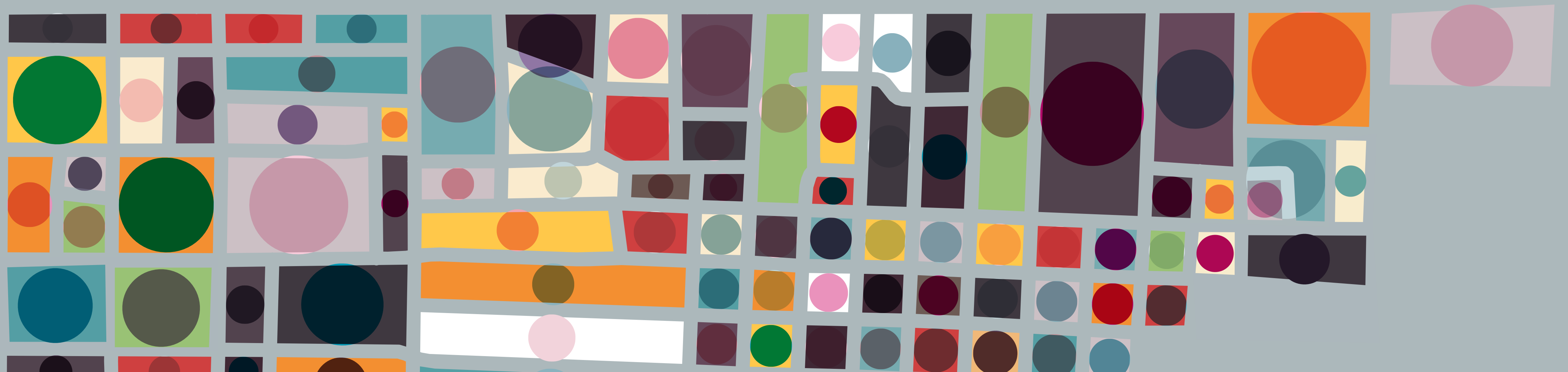
Easy out-of-the-box

Drupal 10 readiness

Automated updates

This solves short-term pain, but is also aligned with long-term vision and trend

Composable architectures: The LEGO of CMS (aka Assembled Web)



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Drupal 10 Initiatives

Modern admin UI

Initiative 5 ?

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness

We had an initiative for this already:
The Modern admin UI initiative

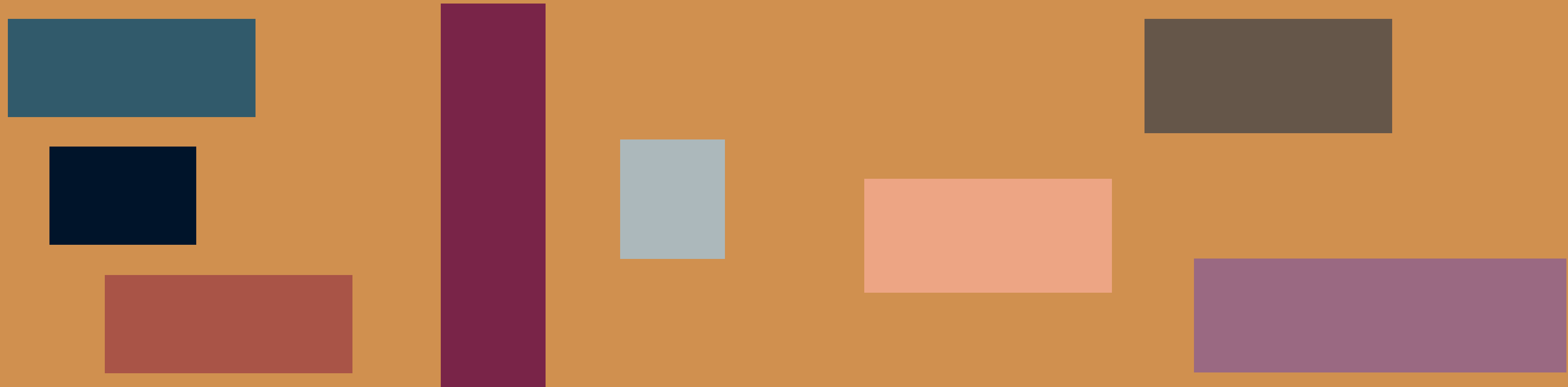
Helped us
identify hard
problems

Prototypes

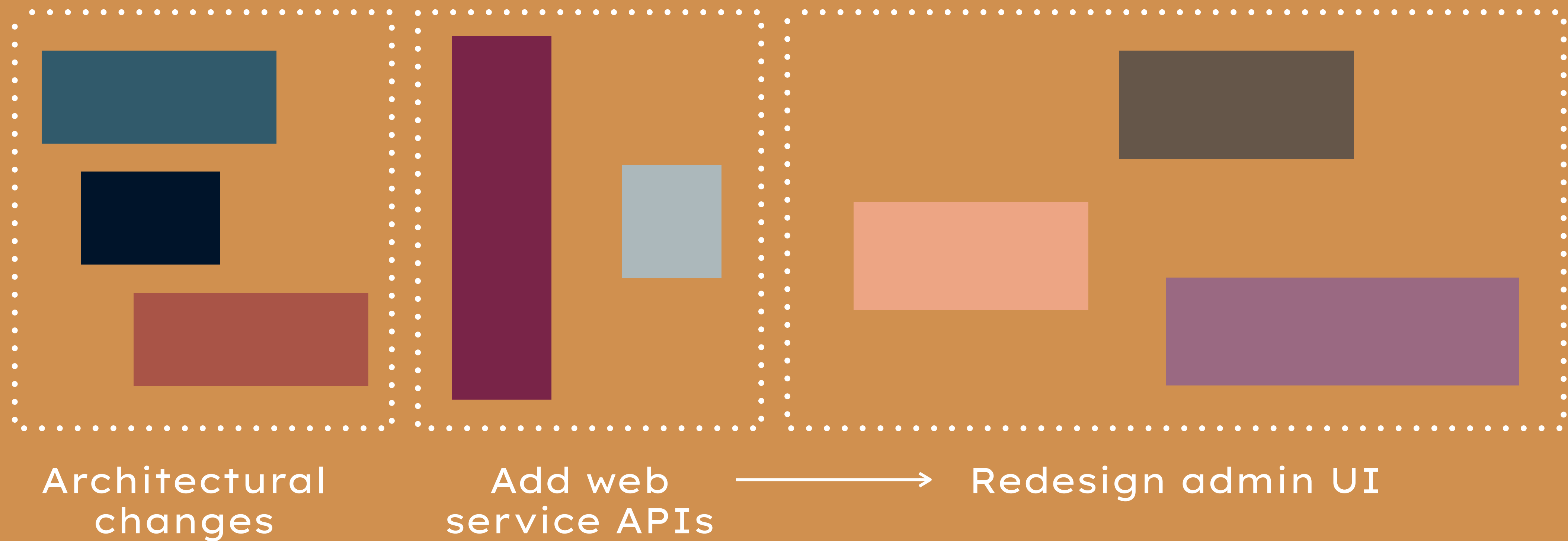
Set
various
solutions
in motion

Scope was
too large

There are so many pieces to
modernizing the administration UI



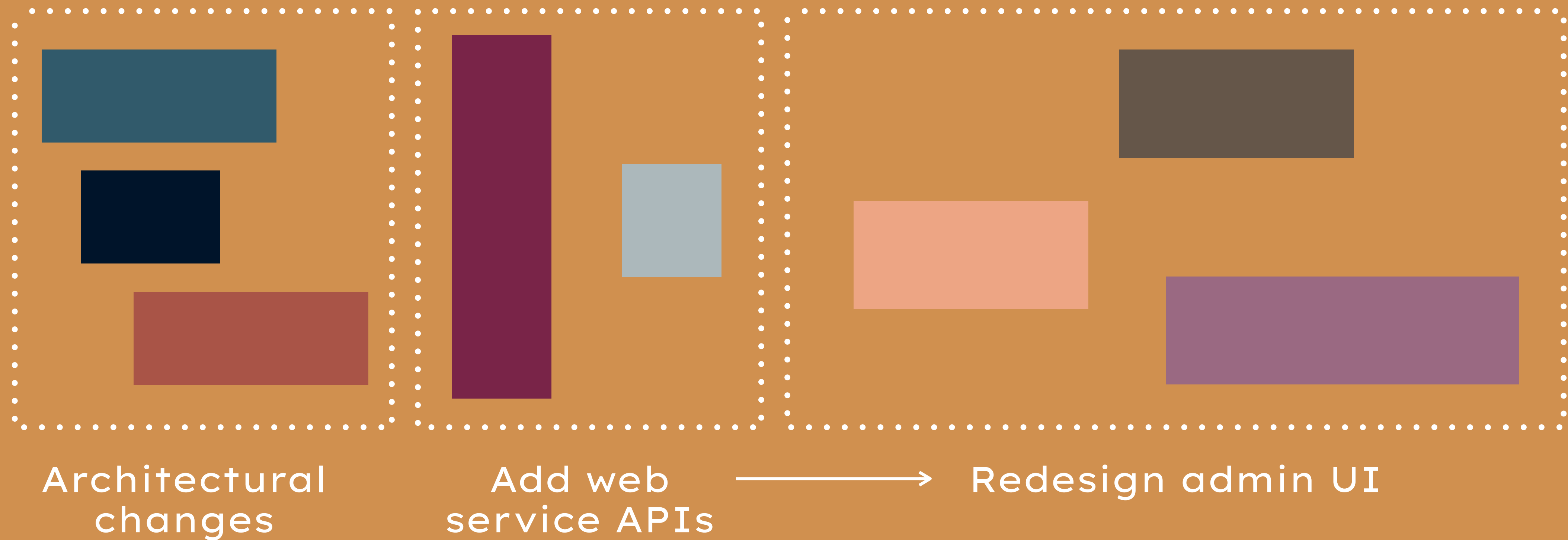
There are so many pieces to modernizing the administration UI



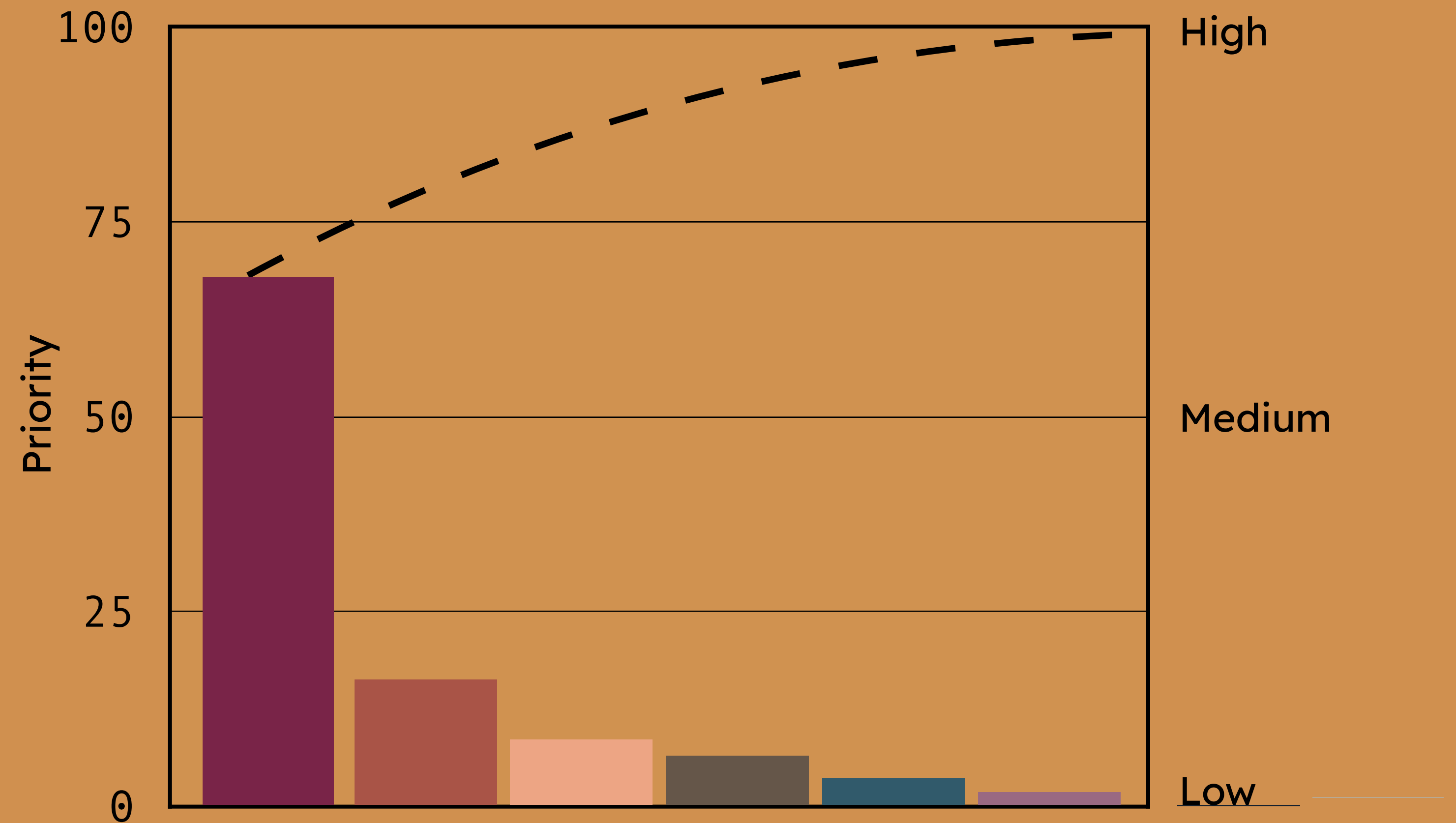
Let's take a small,
practical, and more specific
step that sets things in motion...



There are many pieces to modernizing the administration UI

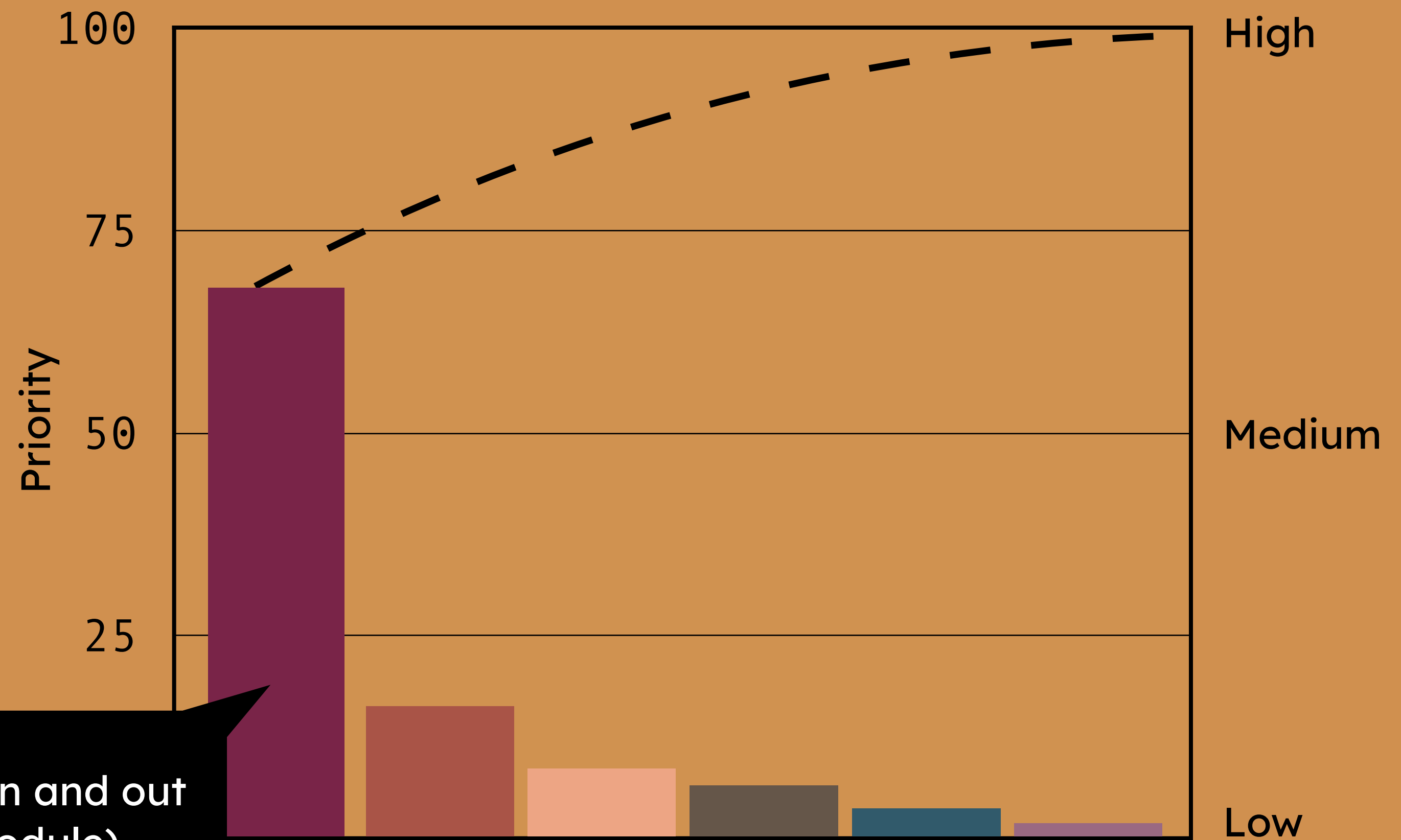


Follow
the Pareto
principle:
Solve the next most
impactful problem

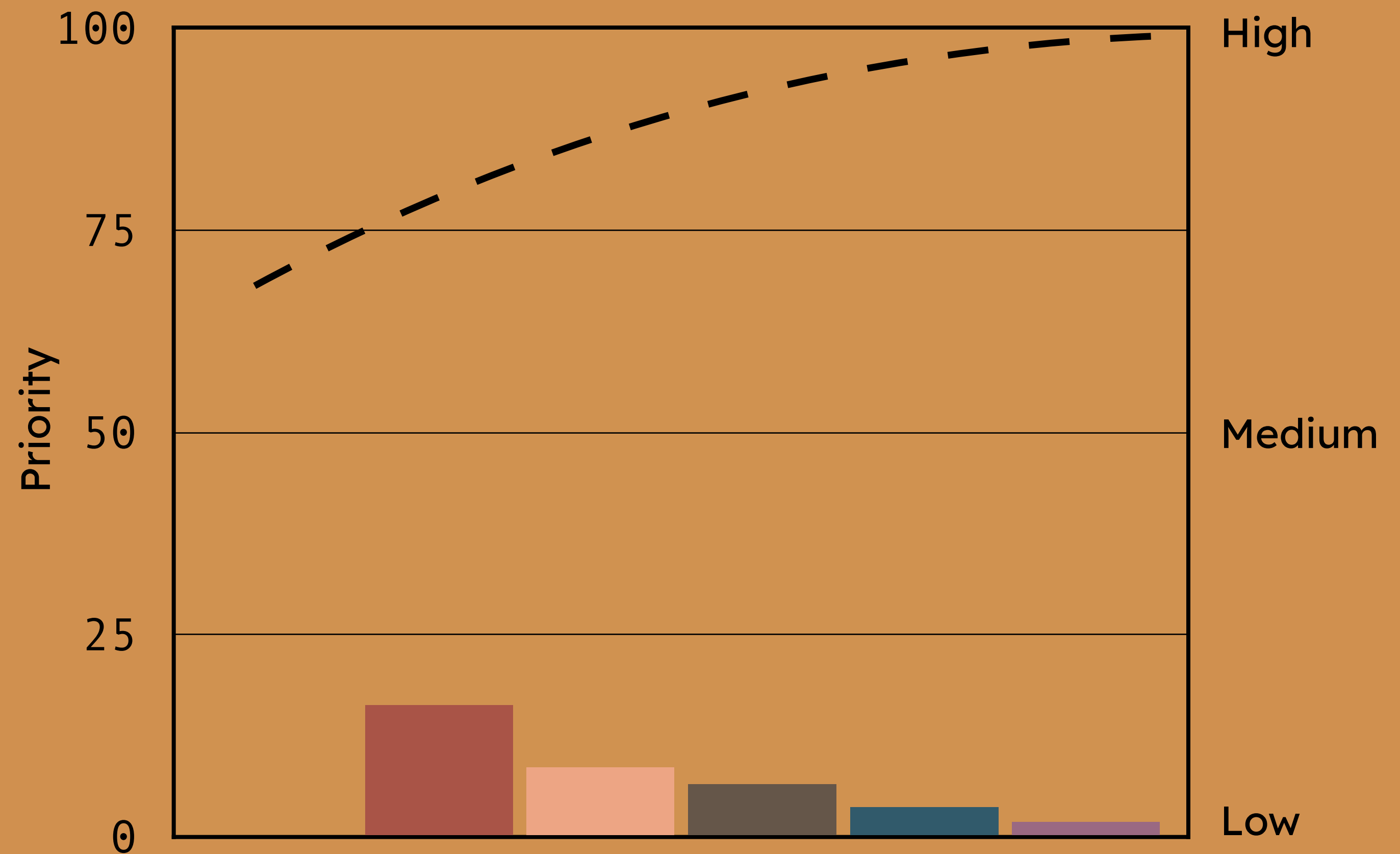


Follow
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principle:
Solve the next most
impactful problem

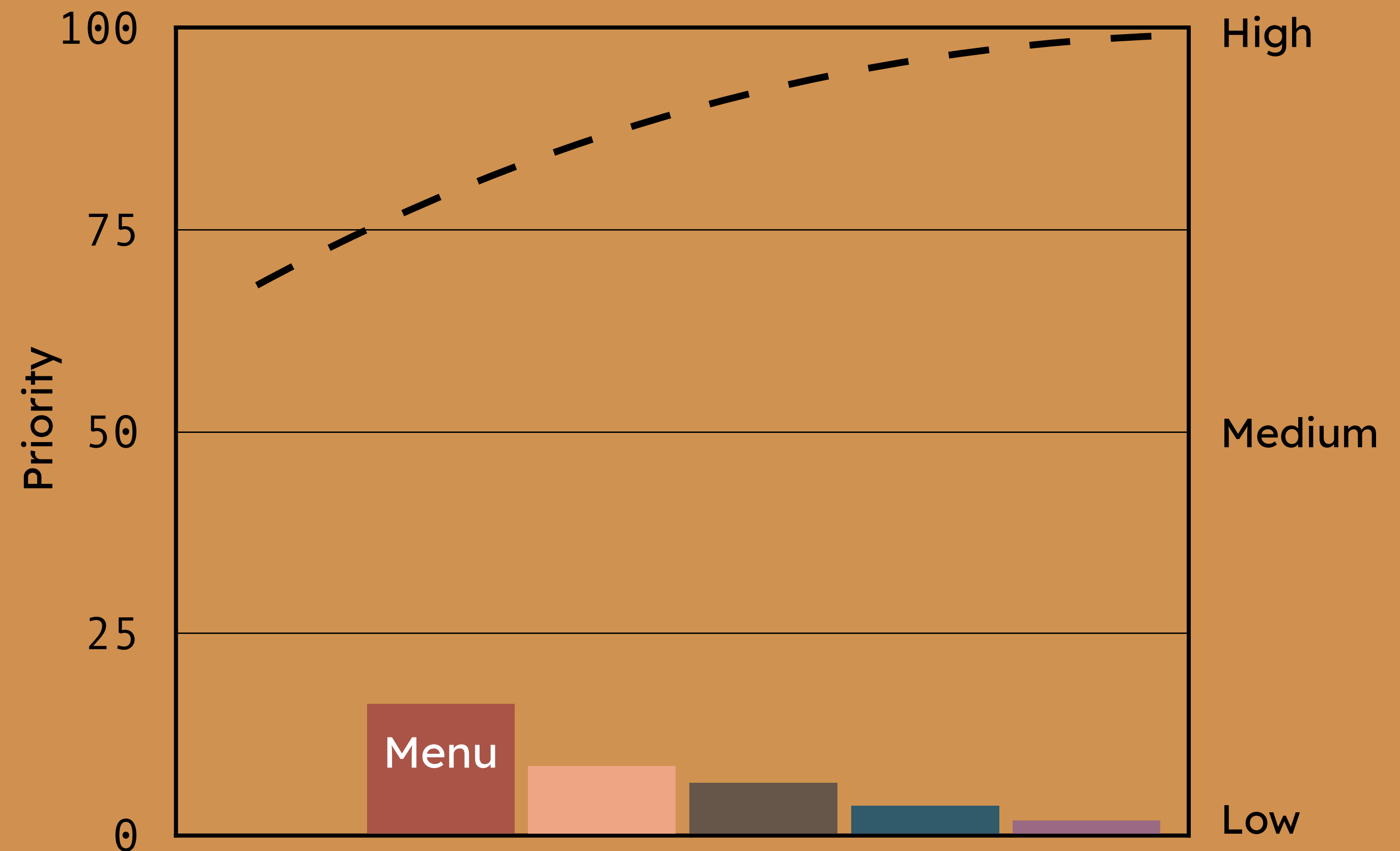
Getting content in and out
(JSON:API module)



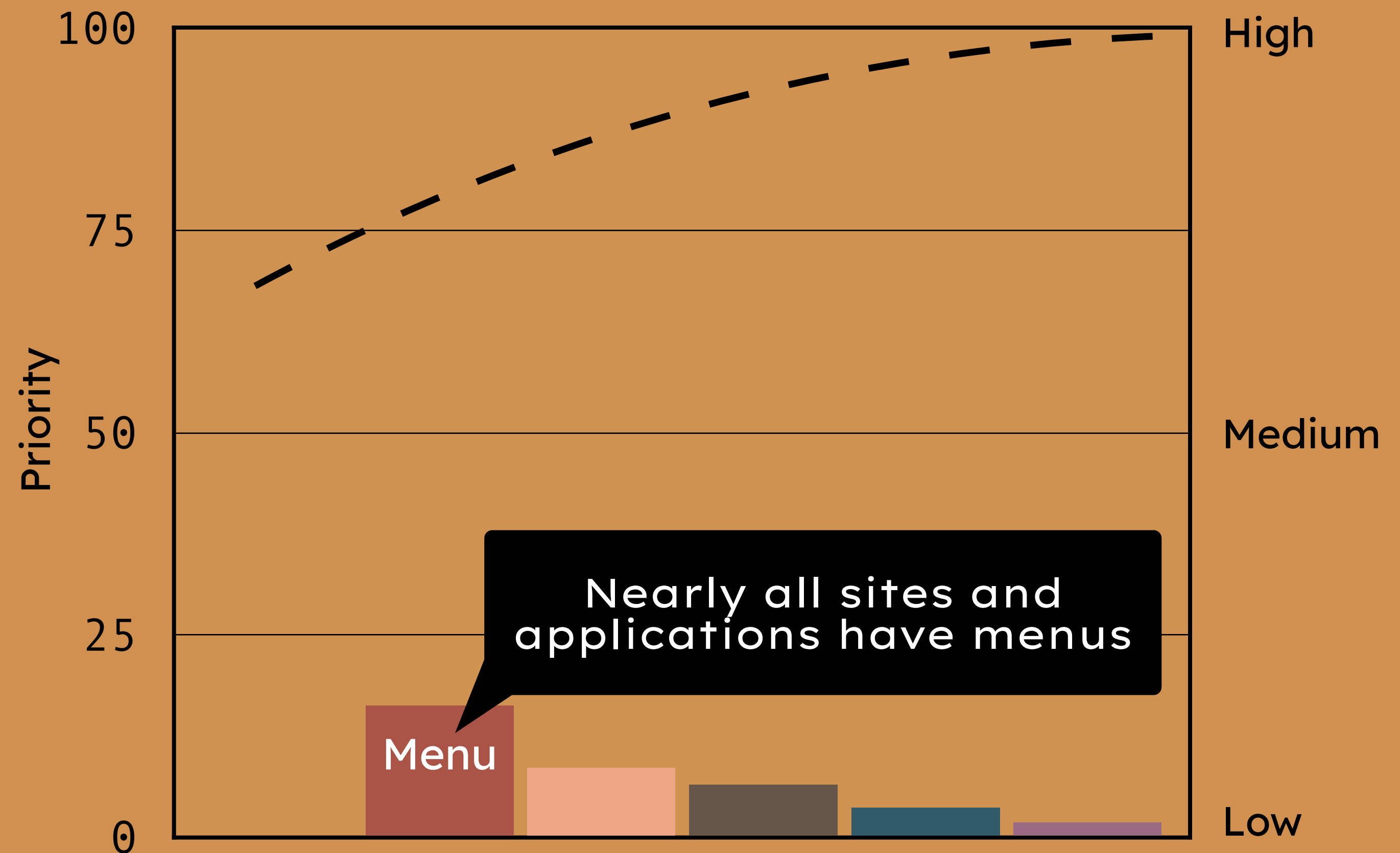
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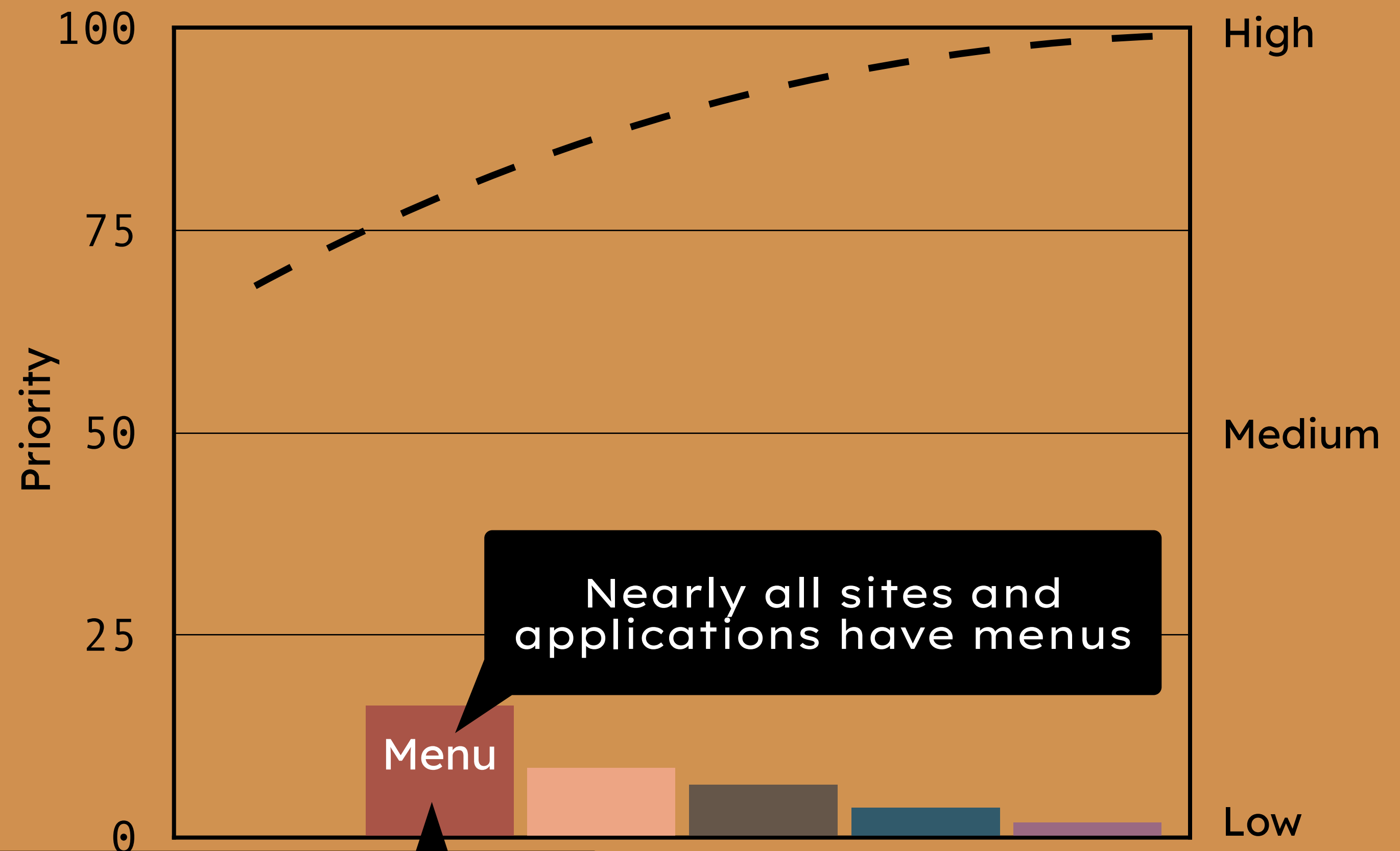
Follow
the Pareto
principle:
Solve the next most
impactful problem



Follow
the Pareto
principle:
Solve the next most
impactful problem



Follow
the Pareto
principle:
Solve the next most
impactful problem



It's really hard for JavaScript developers:
Hierarchies, module-defined menu items, user-defined
menu items, path aliases, access control, etc.

Menus in a headless application are often hard-coded



Arjun
Client

Hey Maia. Our CEO just asked us to change the “Staff” menu item to say “Our team”. Could you do that for us?



Maia
Developer

Hi Arjun! Great to hear from you. Sure thing, but I’m already away from my desk for the day, when do you need that change by?

It’s not a big change is it? I promised to have it done by the end of the day.

It will take a few hours, so I don’t think I can finish it tonight. Is tomorrow morning ok?

Mmm, ok. Sounds like it is more work than I thought.


```
git pull
cd proj-react
npm update
vim src/components/page-menu.jsx
npm build
git add .
git commit -m "Update the menu... again 🤔"
git push
```

“There has got to be
a better way...”



Headless application menu updates should be easy



Arjun
Client

Hey Maia. Our CEO just asked us to change the “Staff” menu item to say “Our team”. Could you do that for us?

It’s not a big change is it? I promised to have it done by the end of the day.

Really?
Hold on, let me try...

Hi Arjun! Sure thing, but I’m not at my desk right now, when do you need that change by?

Oh no, it’s no big deal. Actually, you can update right now. Just log in and go to ``/admin/structure/menu`` and you can update all the menus right there.

Whoa! It worked!
Thanks!



Maia
Developer

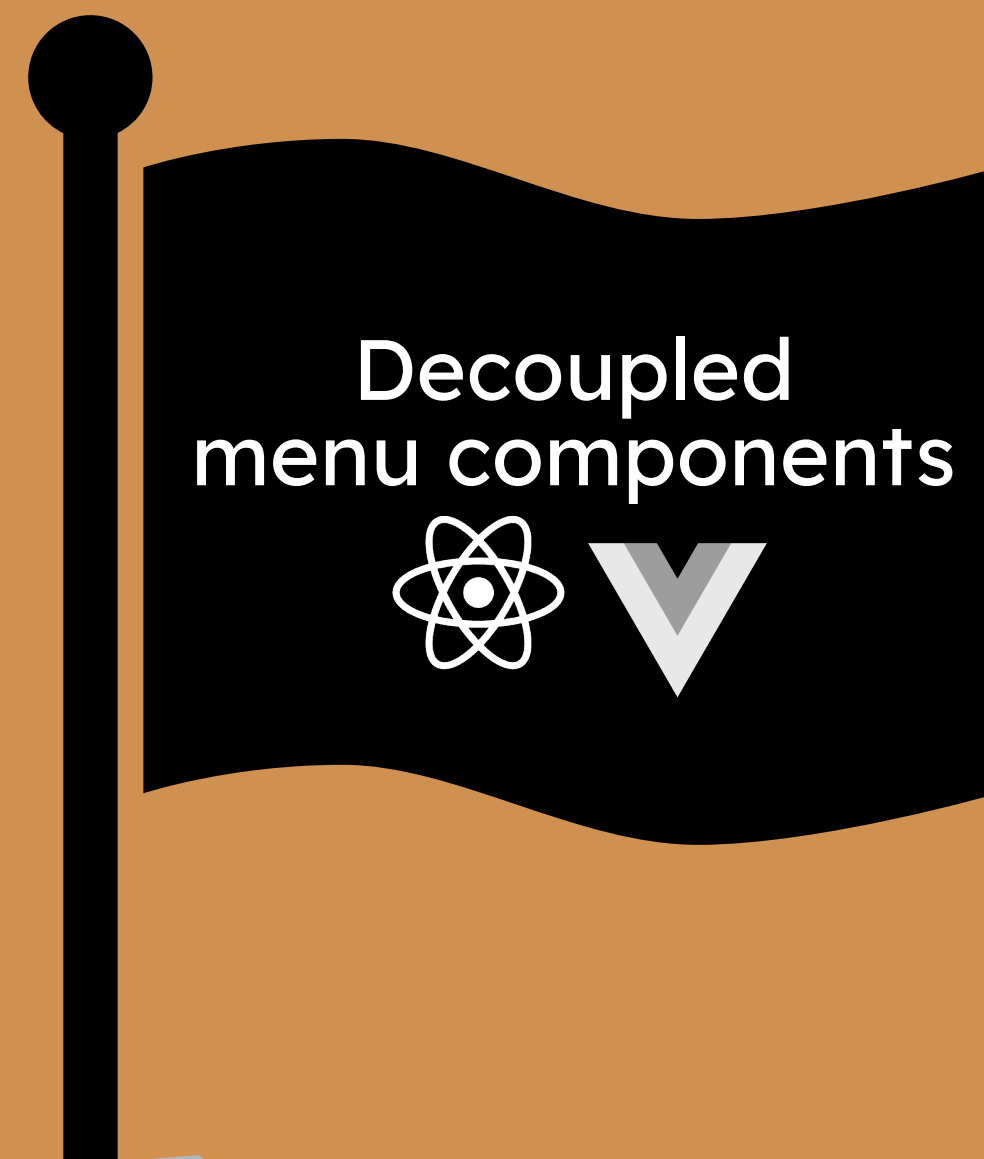
Now, **Arjun**
is empowered
to make
edits...



and **Maia**
can relax when
not working

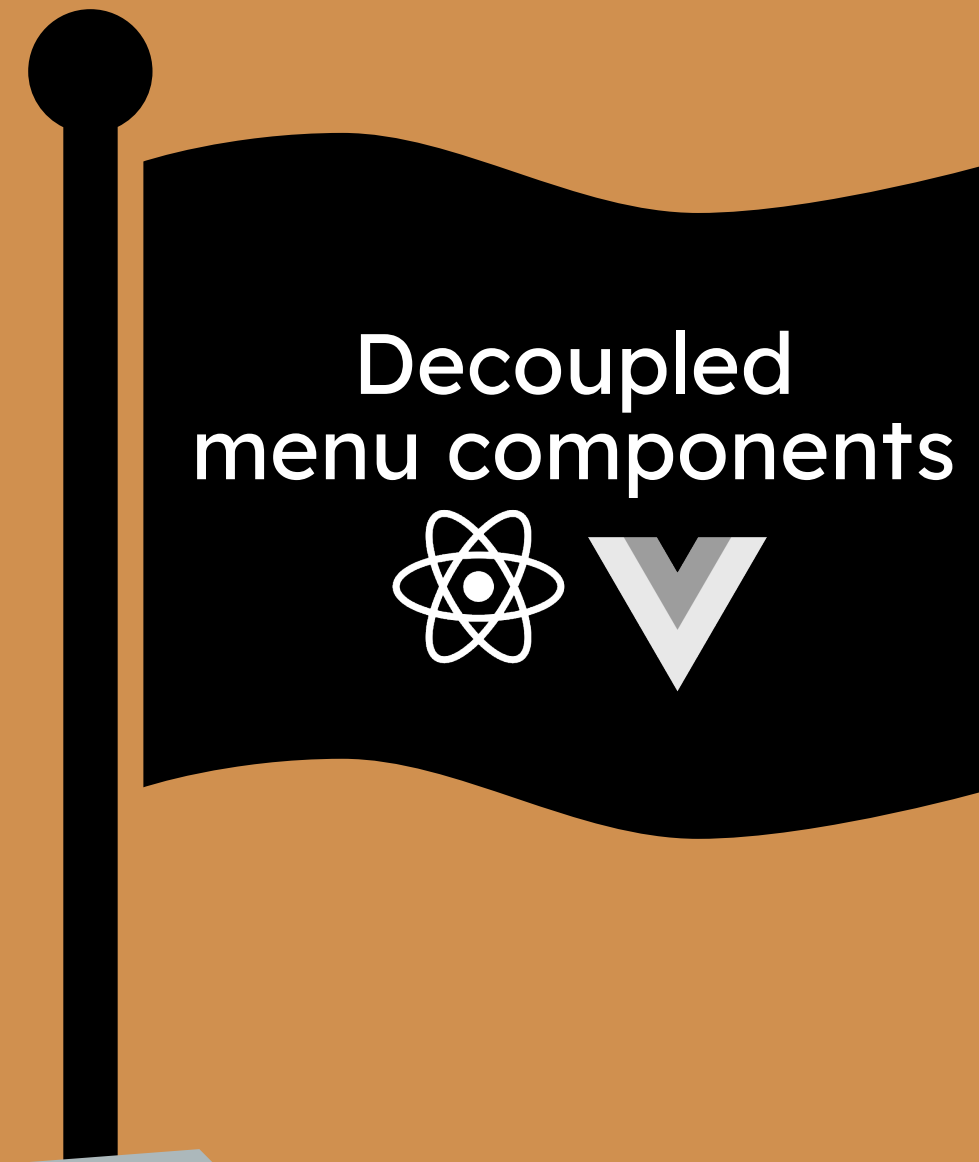
Mission

Provide the best way
for JavaScript front ends
to consume configurable
menus managed in Drupal



Mission

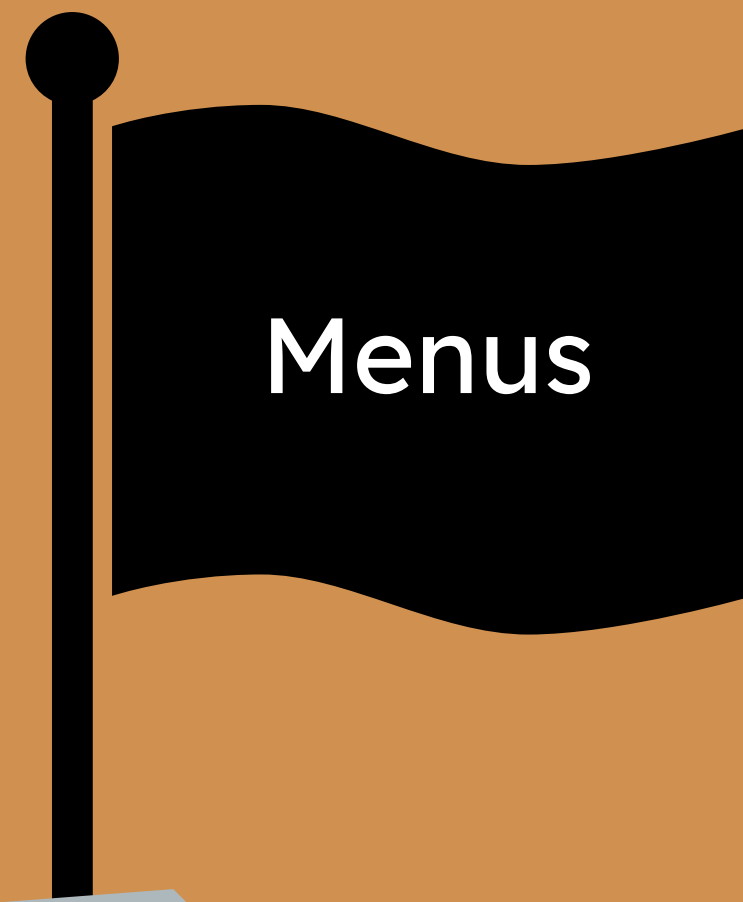
Provide the best way
for JavaScript front ends
to consume configurable
menus managed in Drupal



What does success look like?

- ✓ We have an official React component for menus
- ✓ We have an official Vue component for menus
- ✓ The developer experience is better than Contentful's
- ✓ We maintain the current Twig templates for traditional sites

A seemingly
small step but...



...but it's rather
complex in reality...

Menus

Menu web service API

Module-defined menu items

User-defined menu items

Menu hierarchies

Path aliases

Routing

...and we
have lots
to figure
out.

Menus

Menu web service API

Module-defined menu items

User-defined menu items

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Routing

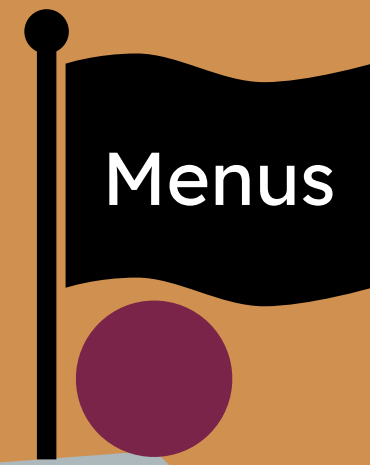
Testing

Documentation for components

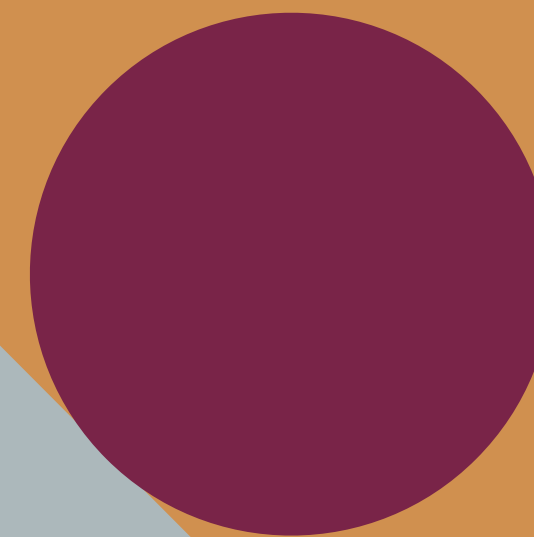
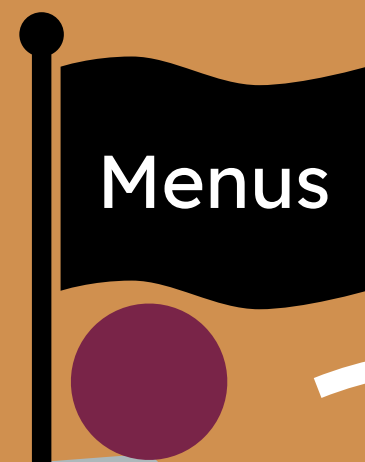
Create npm package

Releasing to npm

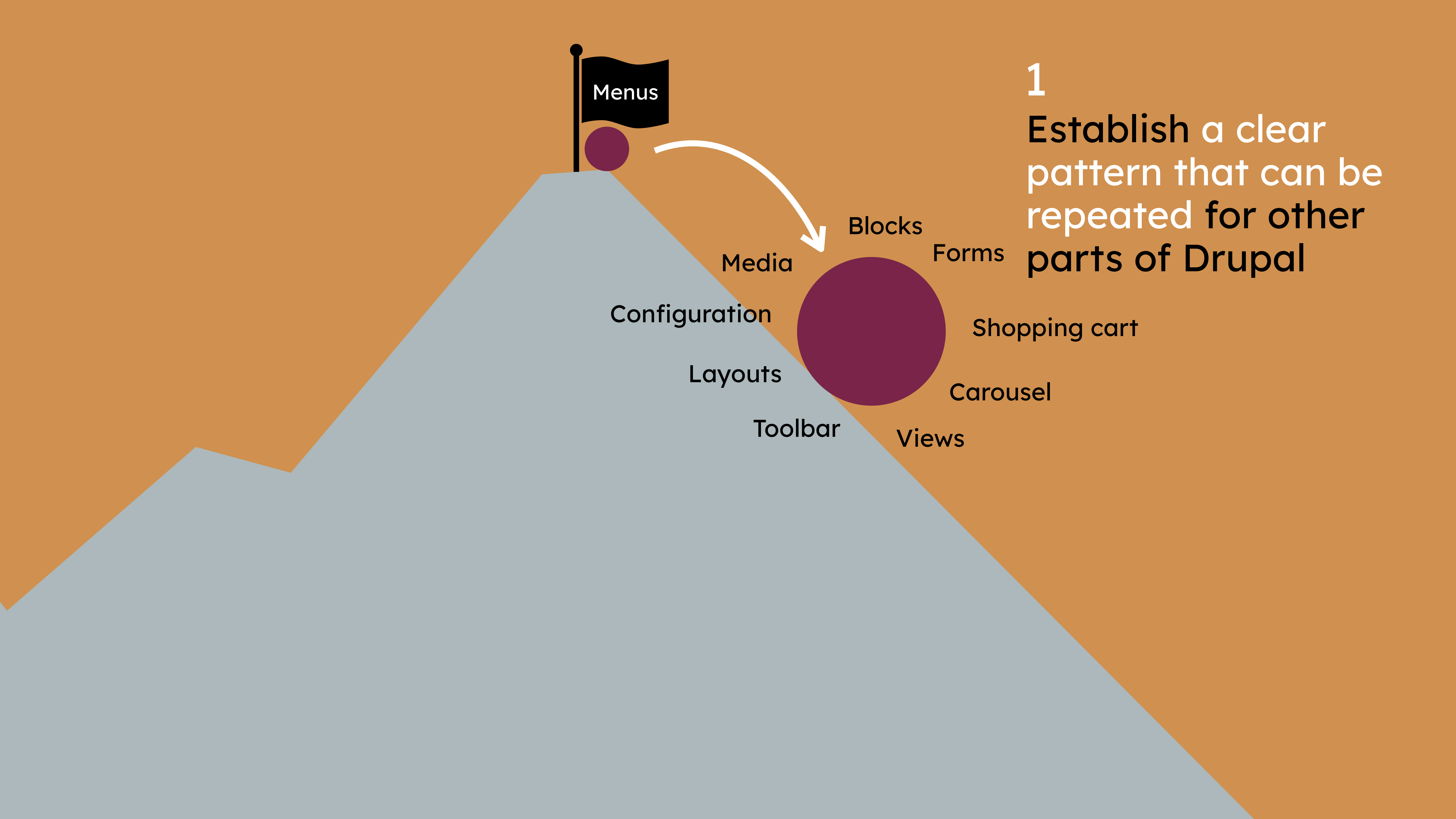
Security management



It will set a
lot in motion!



1
Establish a clear
pattern that can be
repeated for other
parts of Drupal



Menus

Media

Configuration

Layouts

Toolbar

Blocks

Forms

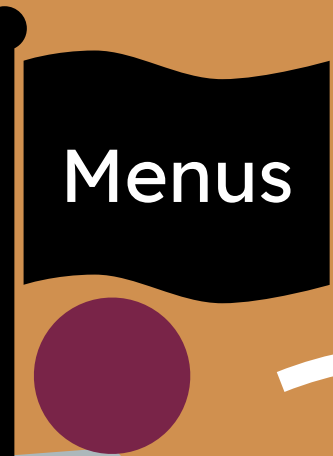
Shopping cart

Carousel

Views

1

Establish a clear
pattern that can be
repeated for other
parts of Drupal

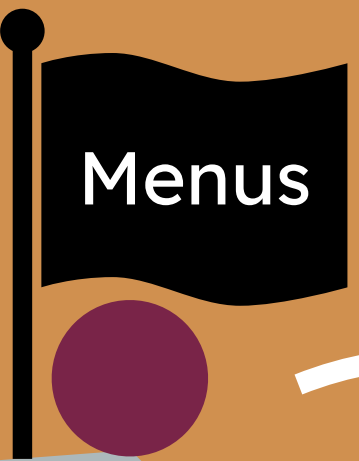


2

Use these components to start improving the admin UI

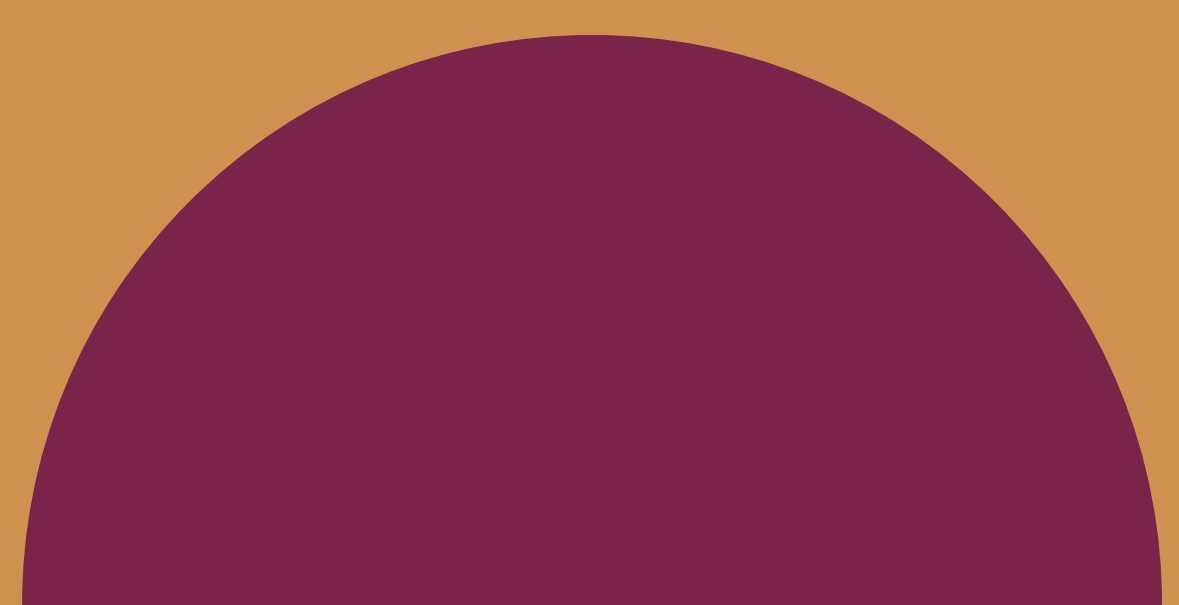
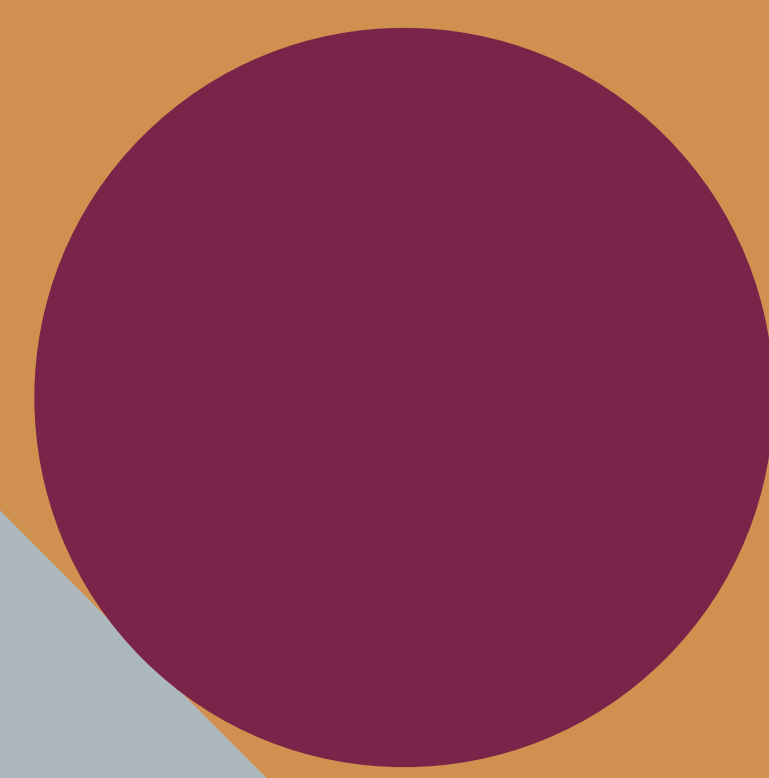
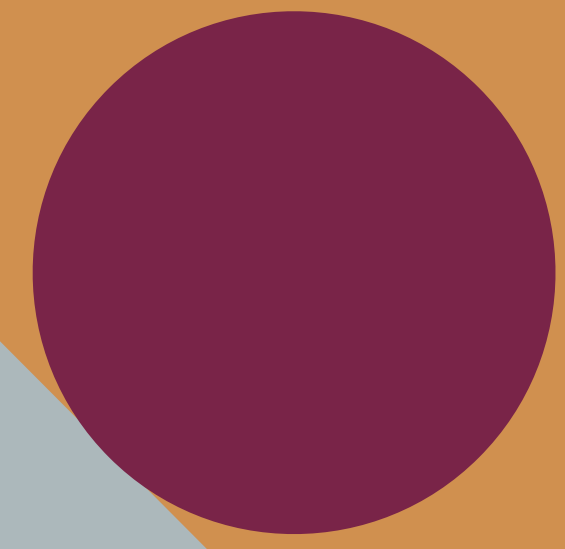


e.g. a new, decoupled admin UI would need a decoupled menu component



3

**Be the best
decoupled CMS**



3

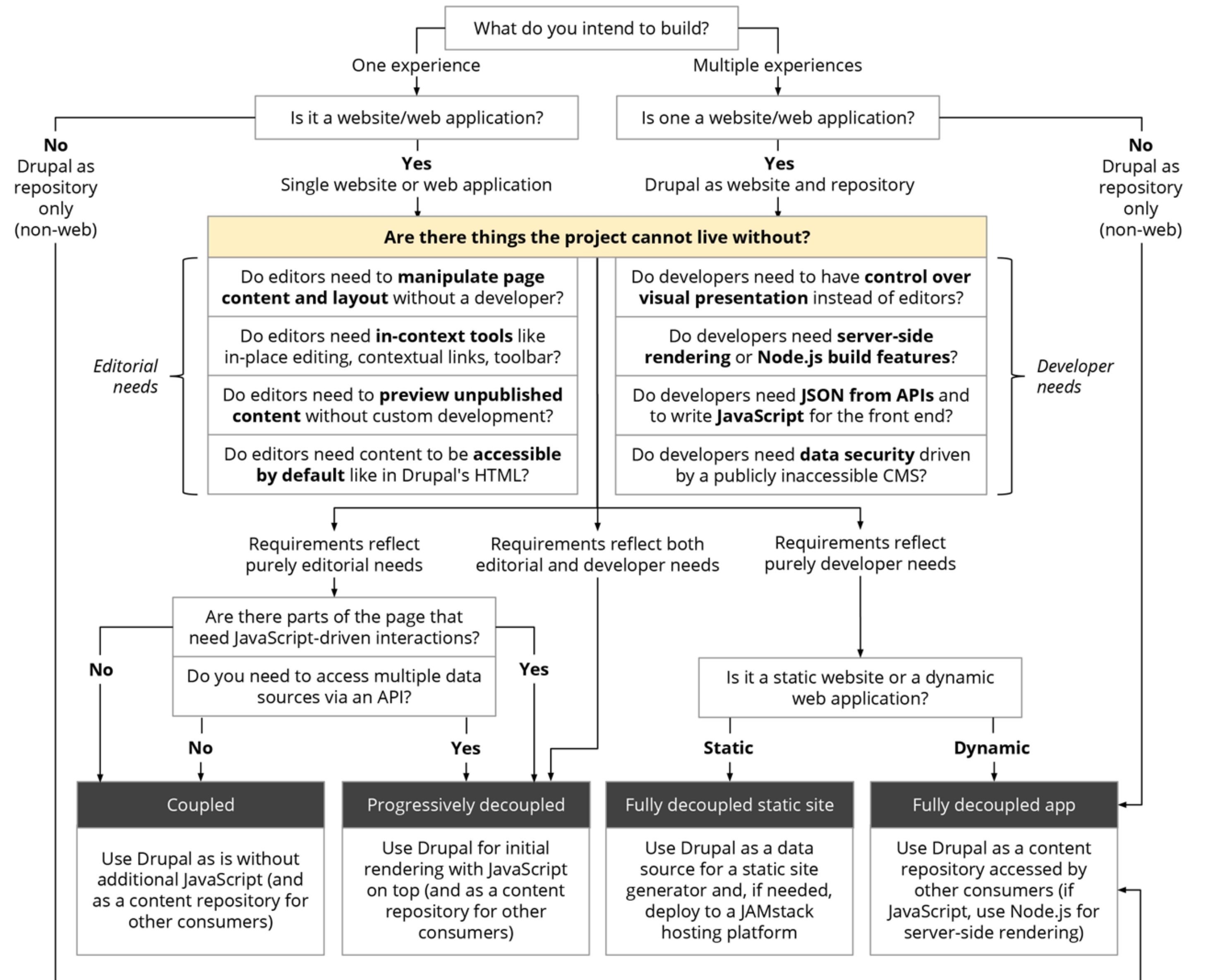
Be the best decoupled CMS

Avoid having to trade-off one persona's experience for another persona's

	Non-developer experience	Developer experience
Traditional		✗ Majority of front end developers outside of Drupal want to use JavaScript
Fully decoupled / headless	✗ No menu management, no layout building, no previews, etc.	
Progressive		✗ Need to learn both Twig and JavaScript
Drupal 10?		

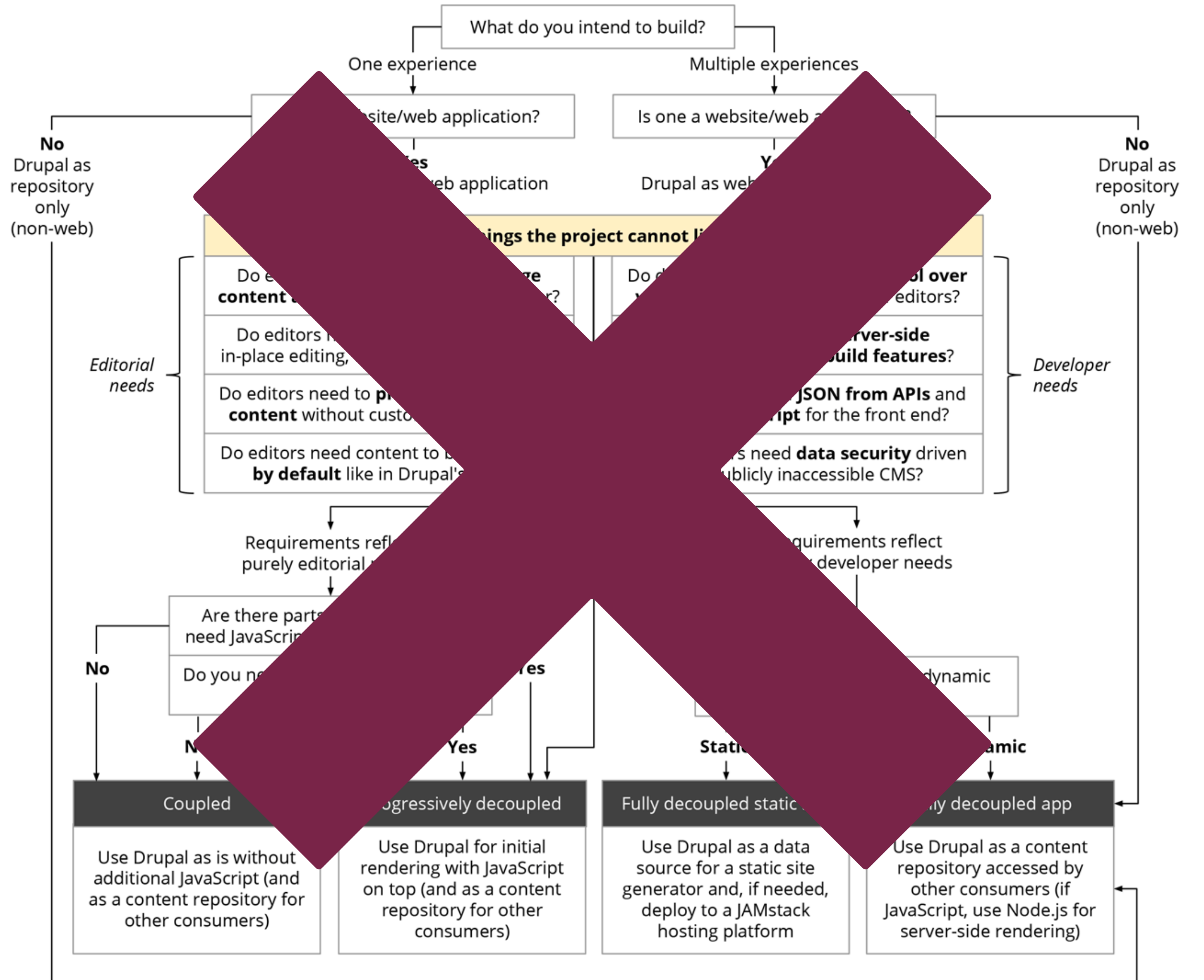
How to decouple Drupal?

<https://dri.es/how-to-decouple-drupal-in-2019>



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Official JS menu
components are
one giant leap
for Drupal-kind



Things we
must do to
attract new
users and
stay relevant

JavaScript

Web services

Things
existing
users are
asking us
to do

API documentation

Hooks to events

More modules in core

Modernize JavaScript

Component-based theme

Easier page building

Things we
already
started

Things
that are
mandatory

Drupal 10 Initiatives

Modern admin UI

Initiative 5 ?

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness

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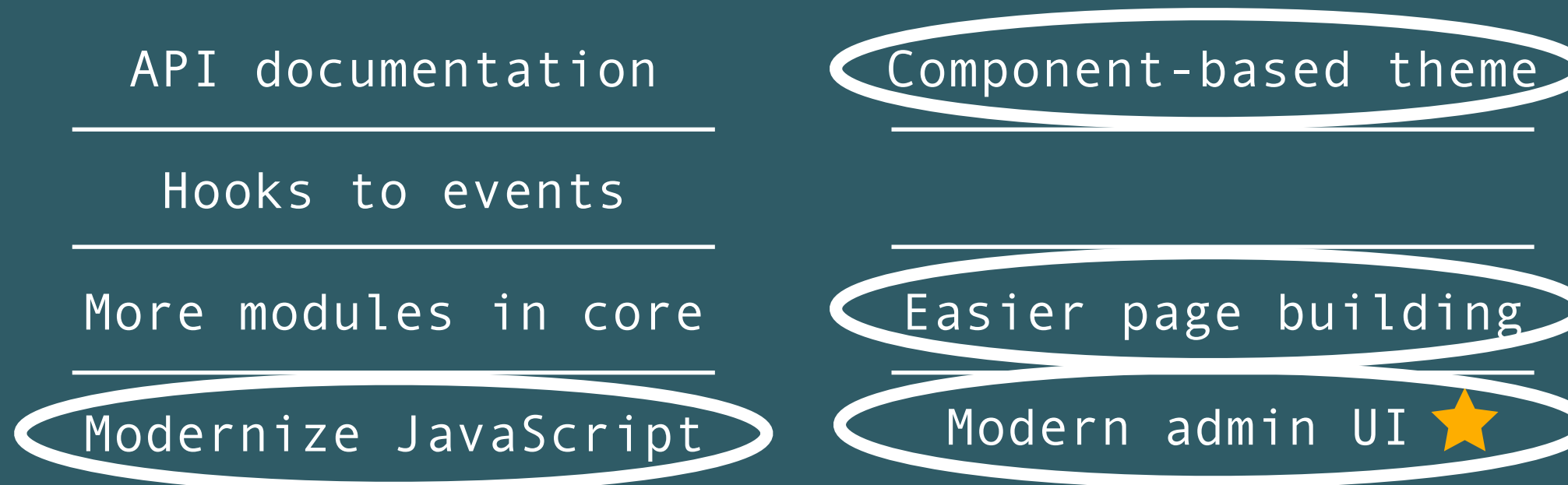
Easy out-of-the-box

Drupal 10 readiness

Things we
must do to
attract new
users and
stay relevant



Things
existing
users are
asking us
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Things we
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Things
that are
mandatory

Drupal 10 Initiatives

Allows some progress
on other important
initiatives

JS menu component

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness

Proposed Drupal 10 Initiatives

JS menu component

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness

Proposed Drupal 10 Initiatives

Are these initiatives well-balanced?

JS menu component

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness

- ✓ Reduce both technical debt and innovate
- ✓ Consider different stakeholders / persona
- ✓ Balance short-term and long-term goals
- ✓ Clear reason for organizations and individuals to adopt Drupal

16 months?

This seems achievable! :)



Details

Initiative Leads

Main Sponsor

JS menu component	TBD	TBD	TBD
Automated updates	drupal.org/about/strategic-initiatives/automatic-updates	TBD	TBD
New front end theme	drupal.org/about/strategic-initiatives/olivero	mherchel, proeung, jwitkowski79, jponch, katannshaw, mtift	Lullabot
Easy out-of-the-box	TBD	TBD	TBD
Drupal 10 readiness	TBD	Gábor Hojtsy, xjm, catch	Acquia, Third & Grove, and others

Interested? Stop by at the DrupalCon Contribution Tables <https://contrib2020.getopensocial.net/>



If you are excited about this, please get involved!

Relevant sessions @ DrupalCon

Drupal Initiatives Plenary & BoF

Wednesday, July 15 | 13:15-14:00 UTC

Drupal Core markup in continuous upgrade path

Wednesday, July 15 | 16:15-17:00 UTC

Drupal.org panel

Wednesday, July 15 | 17:15-18:00 UTC

Automatic Updates

Thursday, July 16 | 00:15-01:00 UTC

Olivero Theme

Thursday, July 16 | 13:15-14:00 UTC

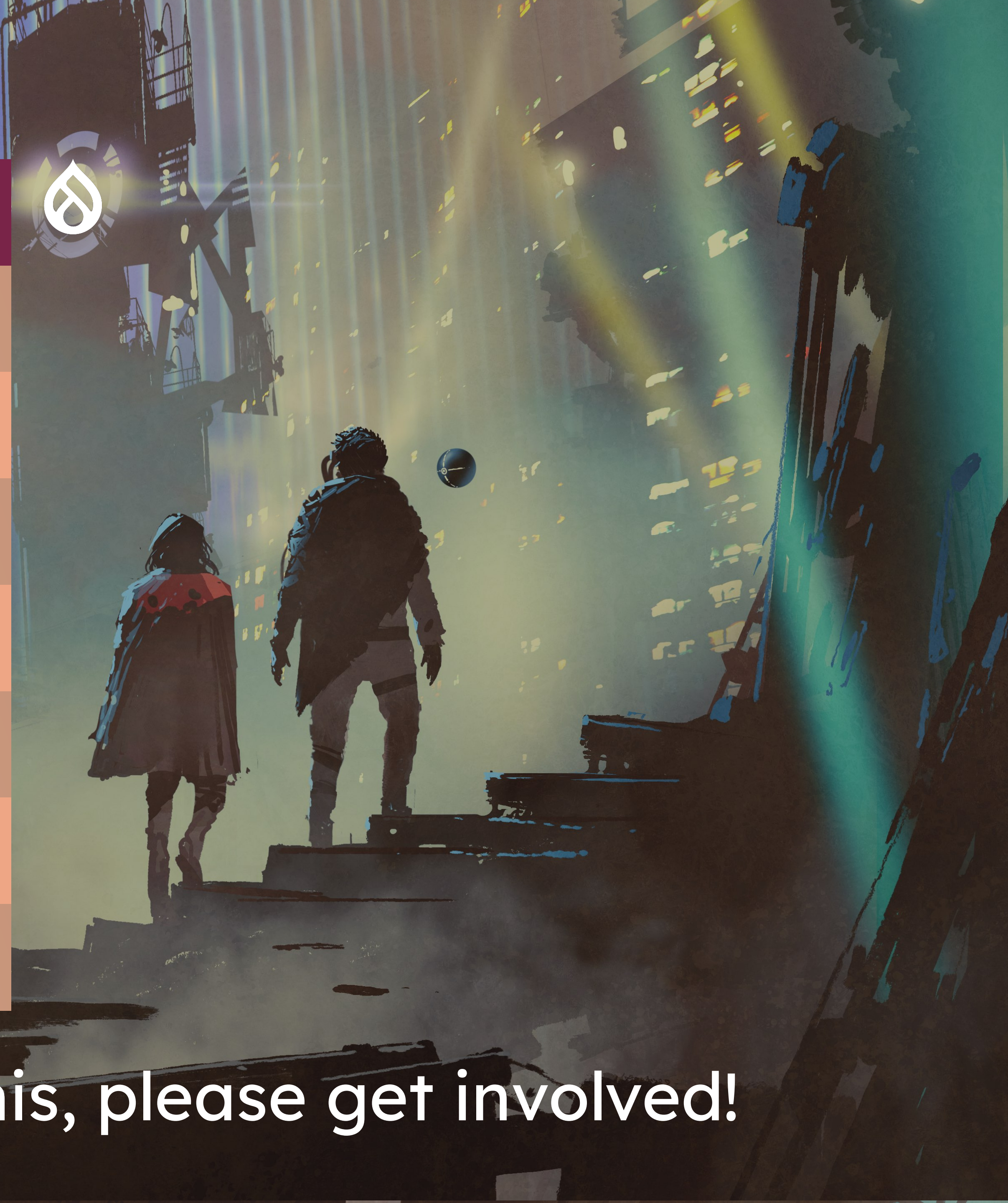
Let's Make Drupal Core Less Complicated

Thursday, July 16 | 21:15-22:00 UTC

Drupal 9: New Initiatives for Drupal

Wednesday, July 15 | 19:15-20:00 UTC

If you are excited about this, please get involved!



FOR IMMEDIATE RELEASE



June 2022

Drupal 10 extends Drupal's **strength in headless or decoupled applications**.

For developers, Drupal 10 **simplifies the development of JavaScript applications**. Drupal allows developers to use their **framework of choice** but ships with out-of-the-box support for React and Vue.

For marketers, Drupal 10 allows the **building omni-channel digital experiences without giving up on the ease of use** that marketers and content creators expect. This makes Drupal the **best decoupled CMS for less technical users**.

Drupal 10 also ships with **automated updates**. This makes it **drastically easier to maintain** Drupal sites and apply security updates. It also advances Drupal's **support for composable architectures**.

Like Drupal 9, Drupal 10 continued its focus on **improving the beginner experience** with a **new look and feel** and an **improved out-of-the-box experience**.

Drupal 10 press release

Now let's go make a positive impact on the world!





Thank you

Q&A Session - Wednesday, July 15 | 16:15-17:00 UTC

Slides to be posted at <http://dri.es>