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 <u>http://dri.es</u>



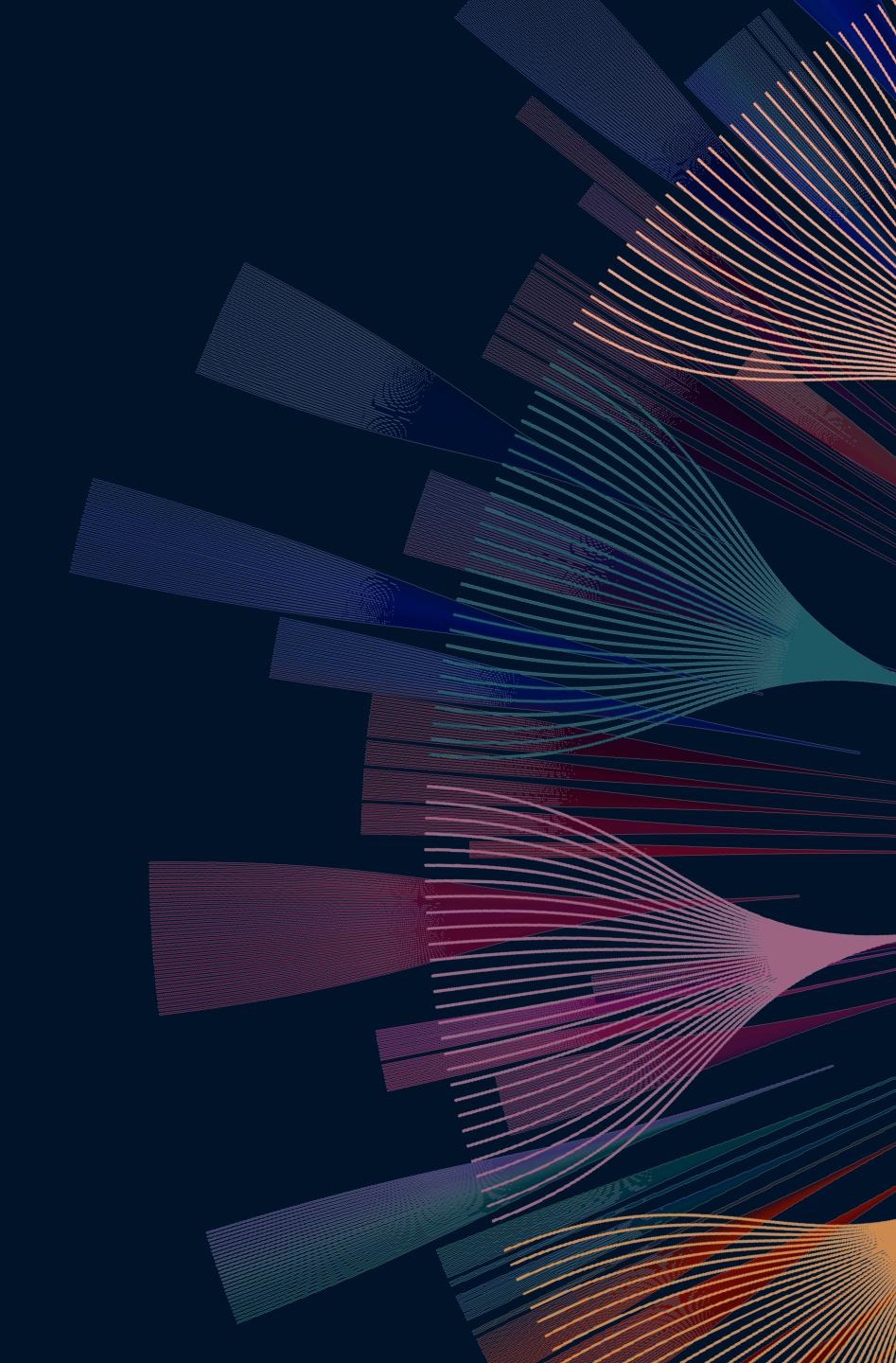
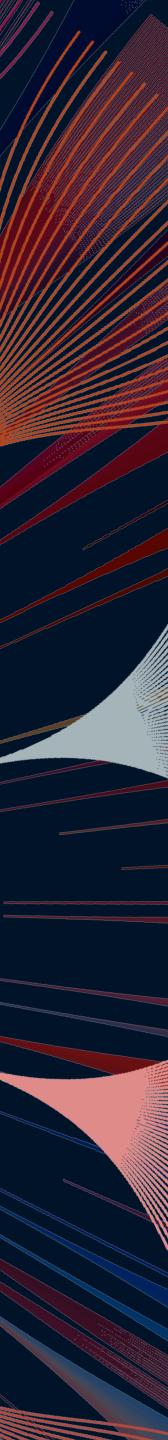


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Release of Drupal 9

What will Drupal 10 look like?



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**

Supporting

Build for more end users

Improve collaboration

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

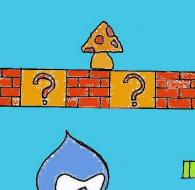


We released Drupal 9!



We did it!

1 - 1







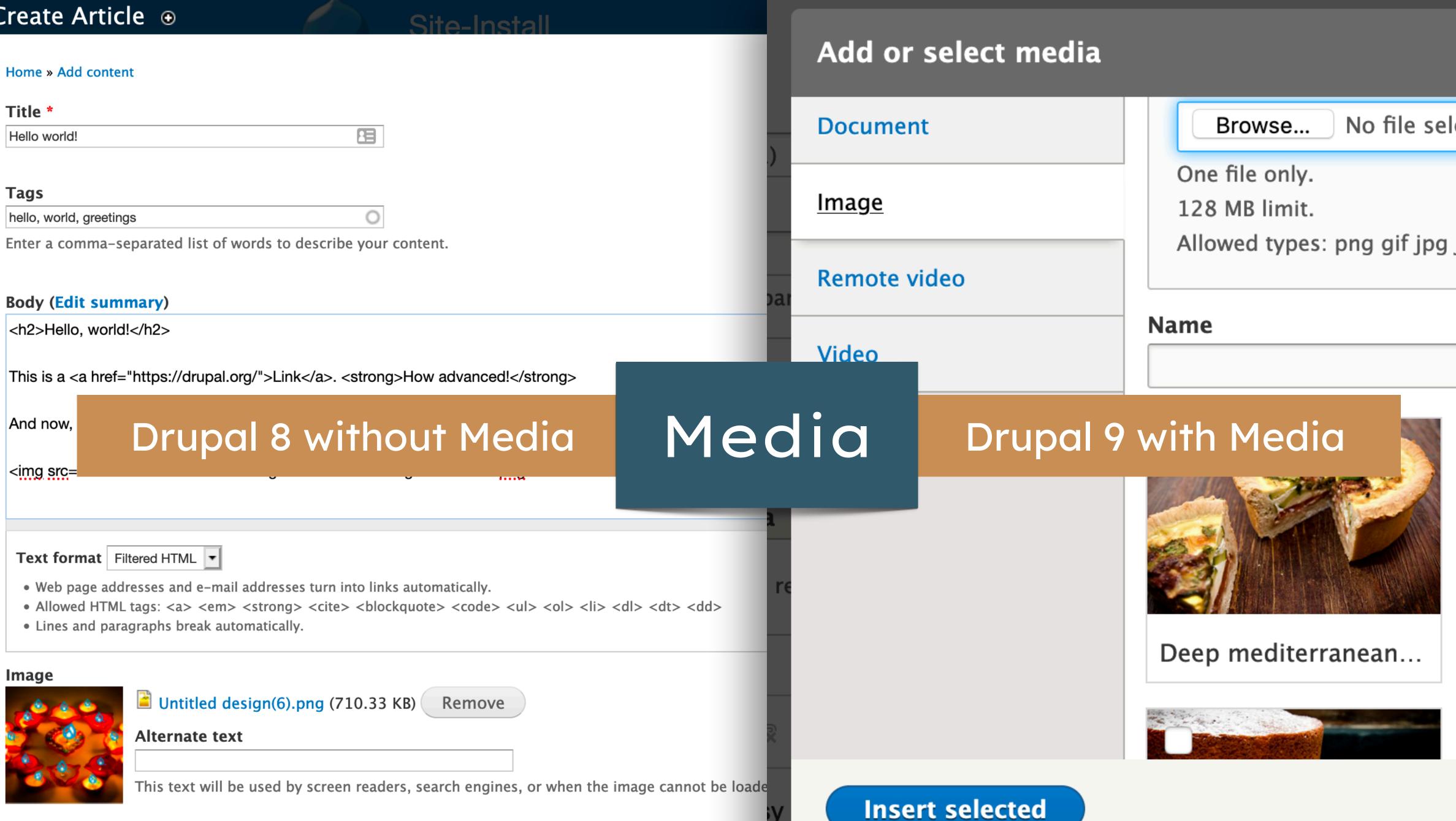
We've come a really long way in the last 4.5 years



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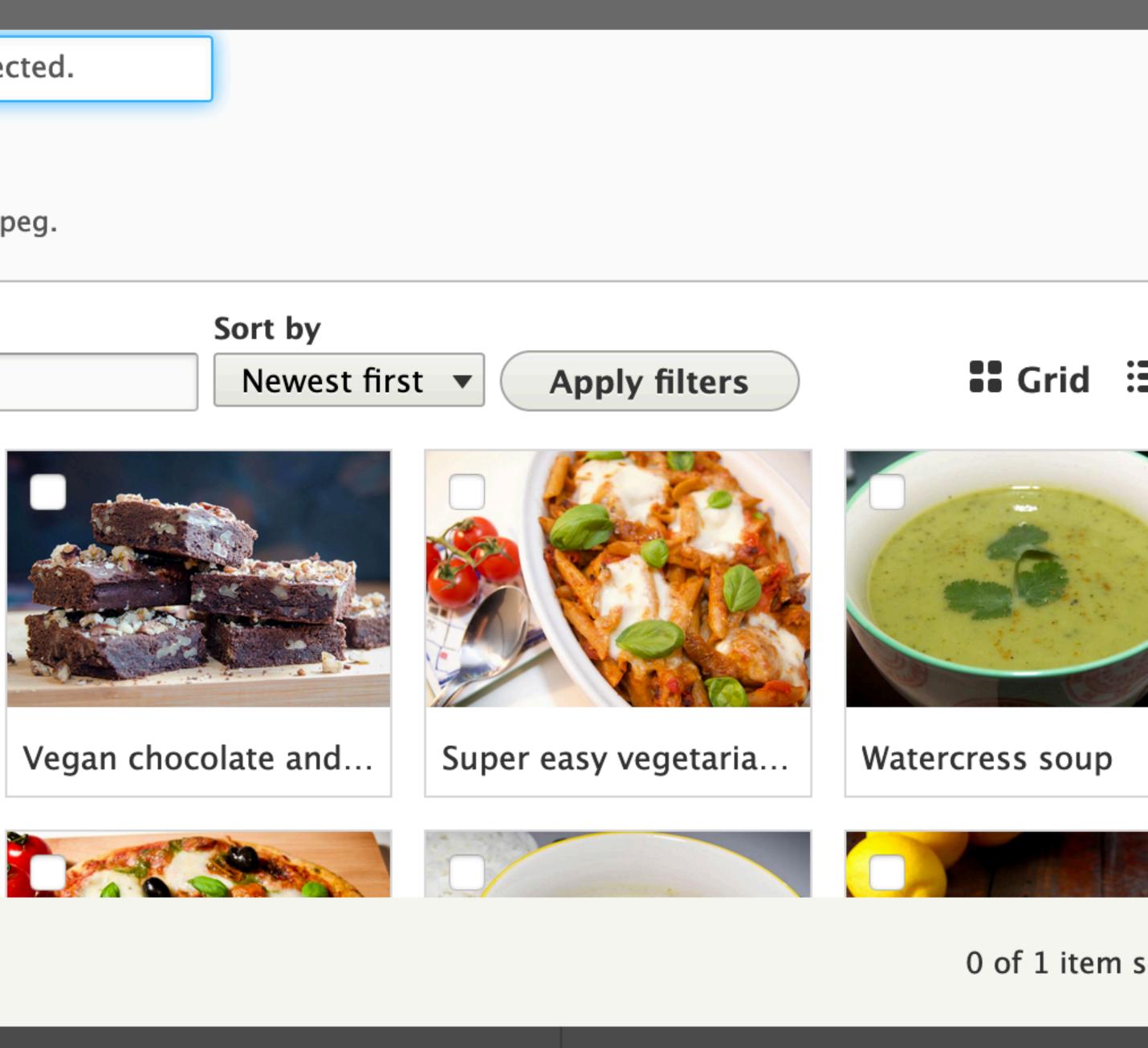
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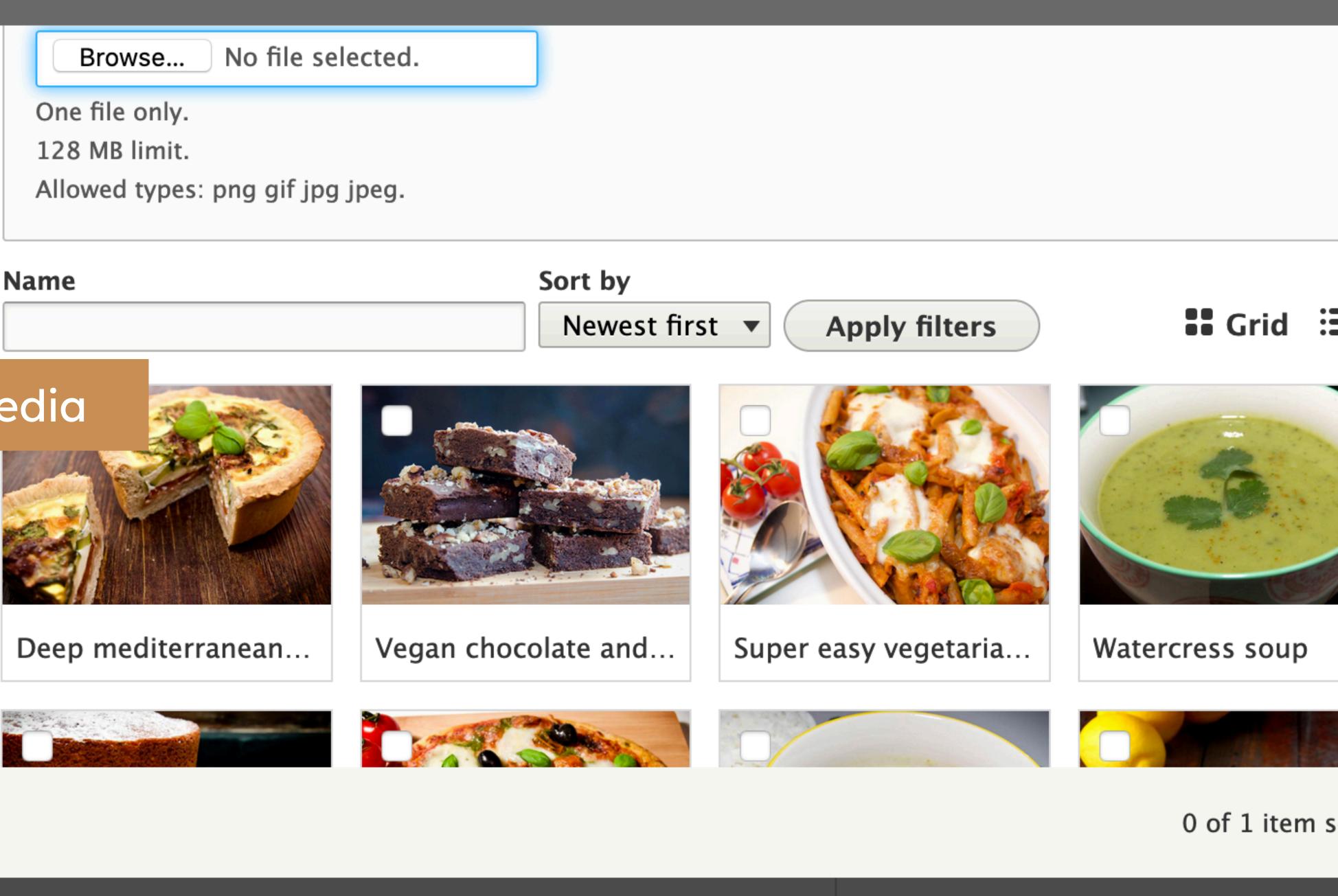
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Drupal 9 with Media







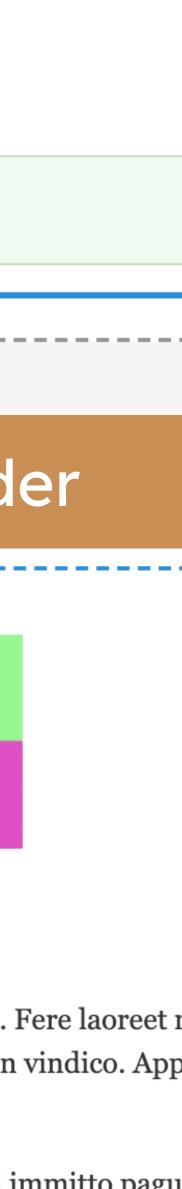


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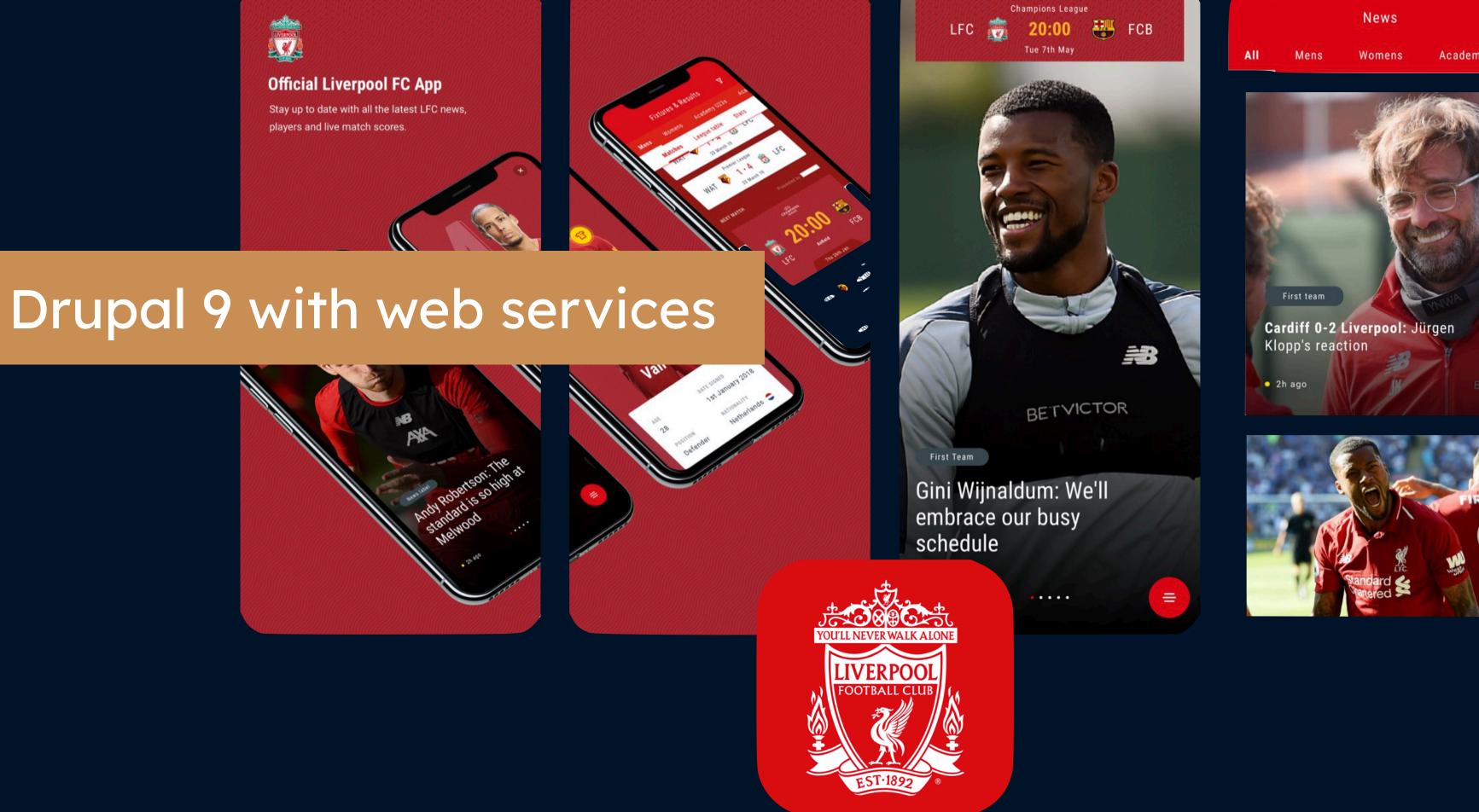


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API-first



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Easiest Drupal upgrade path in last 15 years

with the best upgrade tooling yet!



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



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!



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



Frédéric G. MARAND

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



"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."



heddn 🐐 2:24 PM

S github.com

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 compatibile NOW. This site is all but READY ALREADY for D9. And this was with no special work to prep the site for D9.

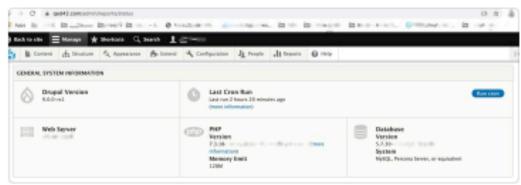
Gábor Hojtsy @gaborhojtsy

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!!

ged42-Drupal9.jpg -



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....



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





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

Administration UI

Media

Make Drupal easy for content creators and site builders

Layout

Workflow

Make Drupal easy to evaluate and adopt

Out of the box

Migrate

Keep Drupal relevant and impactful

API-first / Decoupled / Headless

Six-month feature releases

Configuration management

Easy upgrade to Drupal 9

Extended security support

Automatic updates

Composer

Reduce total cost of ownership for developers and site owners



In the last 4.5 years...

55

bug-fix

releases

9 minor releases 35 alphas, betas, and release candidates

24 security releases

4,532 individual contributors

768 organization contributors

13 major features went from experimental to stable



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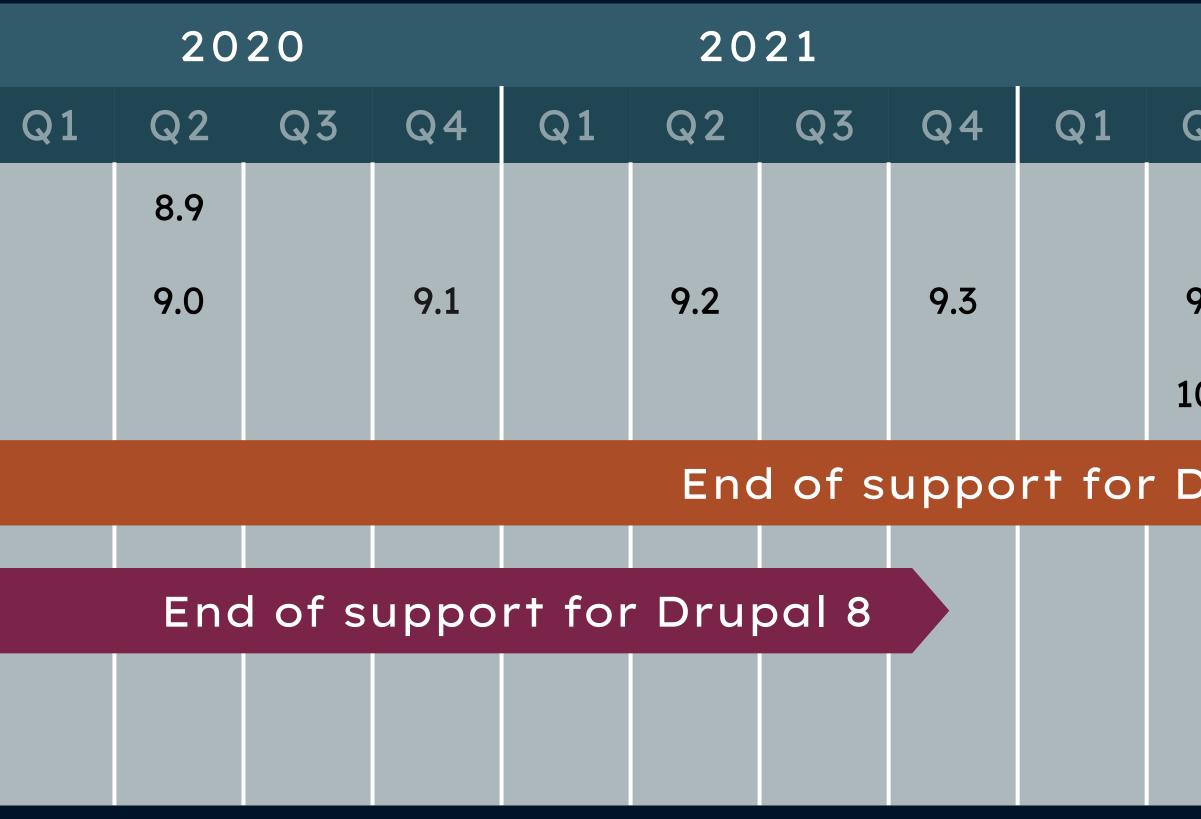
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scottriak

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768 organizational contributors to Drupal 8 → Drupal 9



A few reminders

Drupal 7 support ends November 2022 New Drupal 8 support ends November 2021

20	22	2023					2024		
Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
9.4									
10.0		10.1		10.2		10.3			
Dru	pal 7		Co	mme	rcial	exter	nded	supp	ort



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

Shorter development time frame

What we already know about Drupal 10



Goals for today

Define 5 initiatives for Drupal 10

Initiative 5?

Initiative 4?

Initiative 3?

Initiative 2?

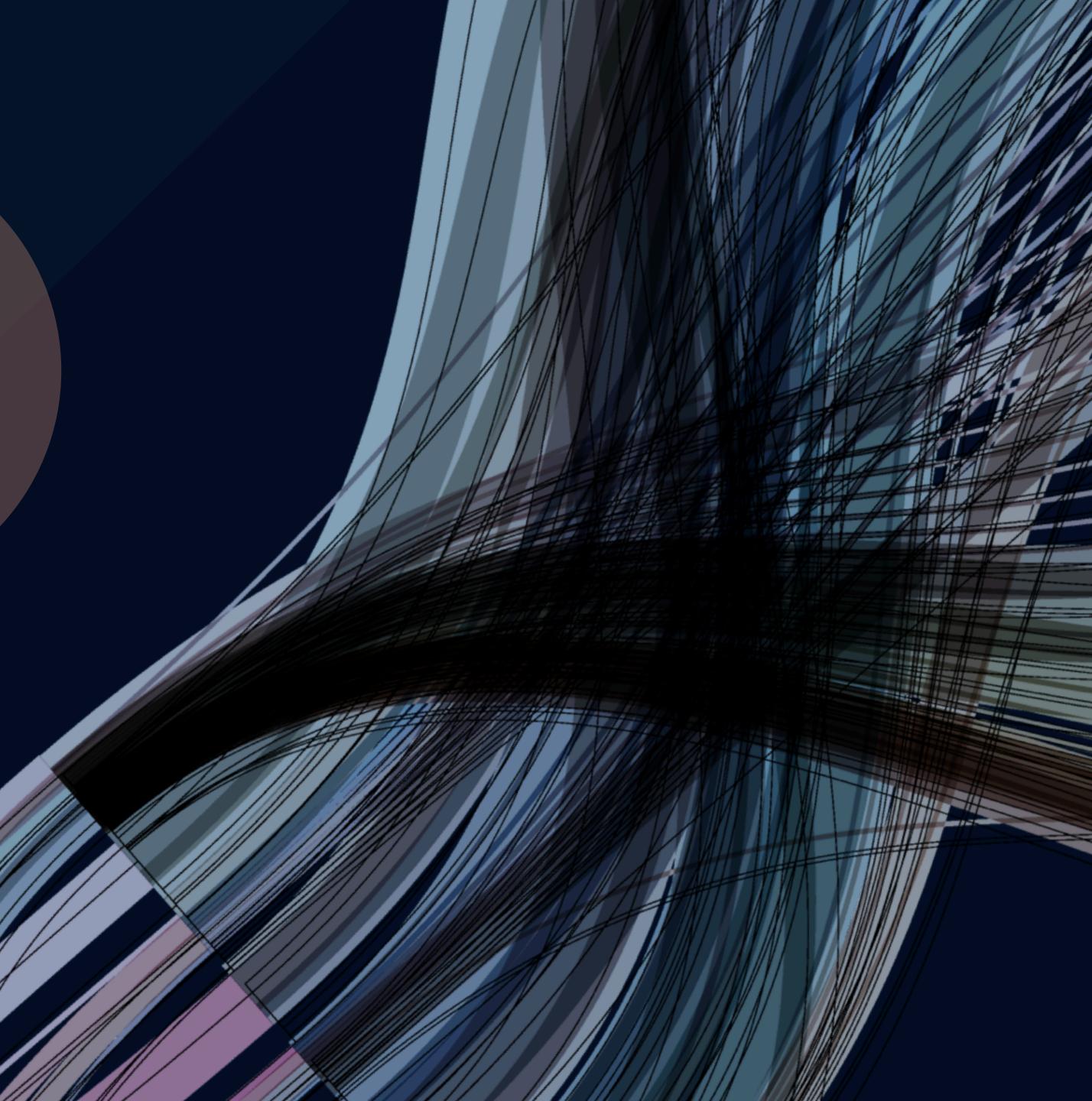
Initiative 1?

Goals for today

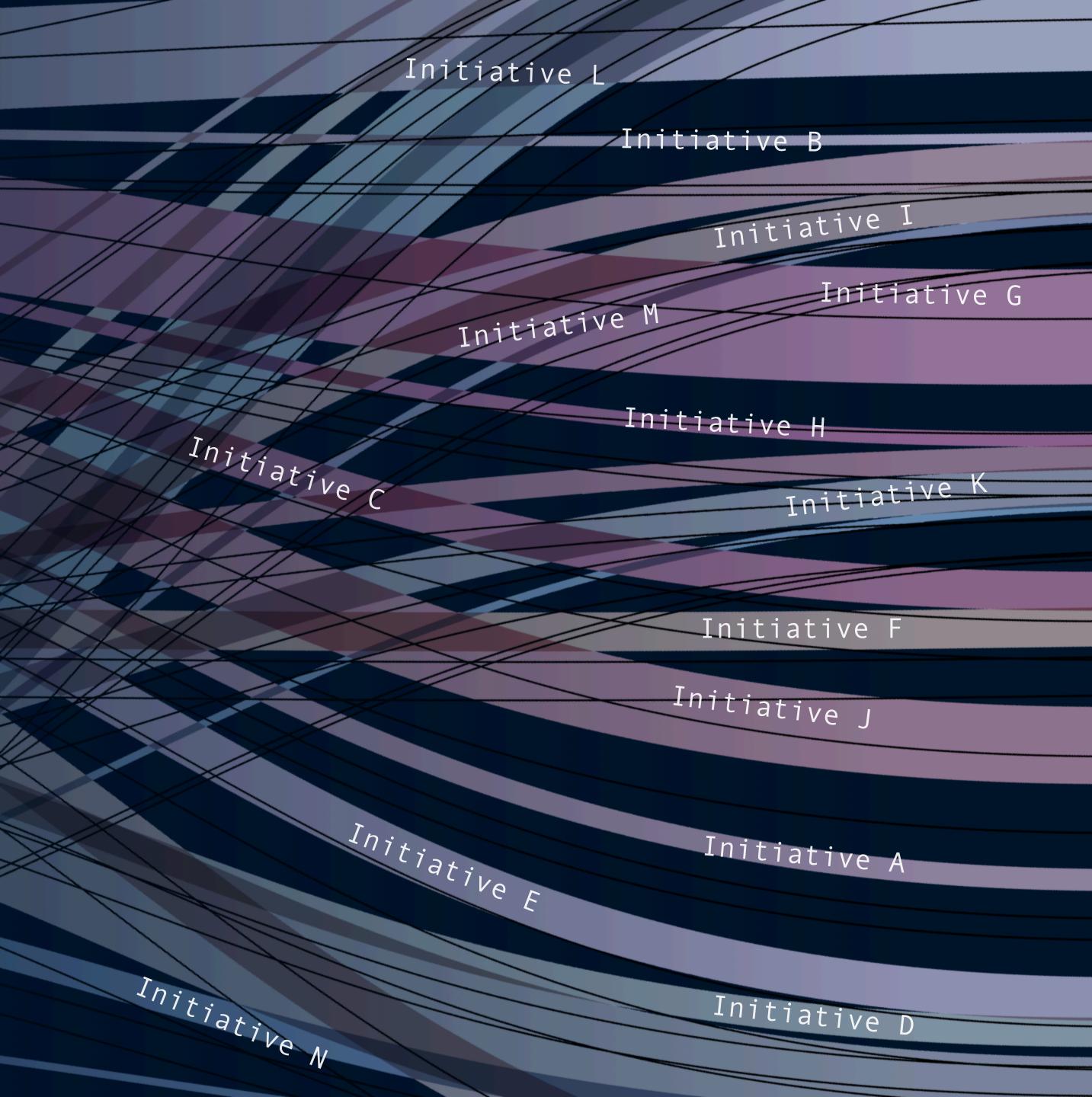
Define 5 initiatives for Drupal 10

Make sure these initiatives are well-balanced

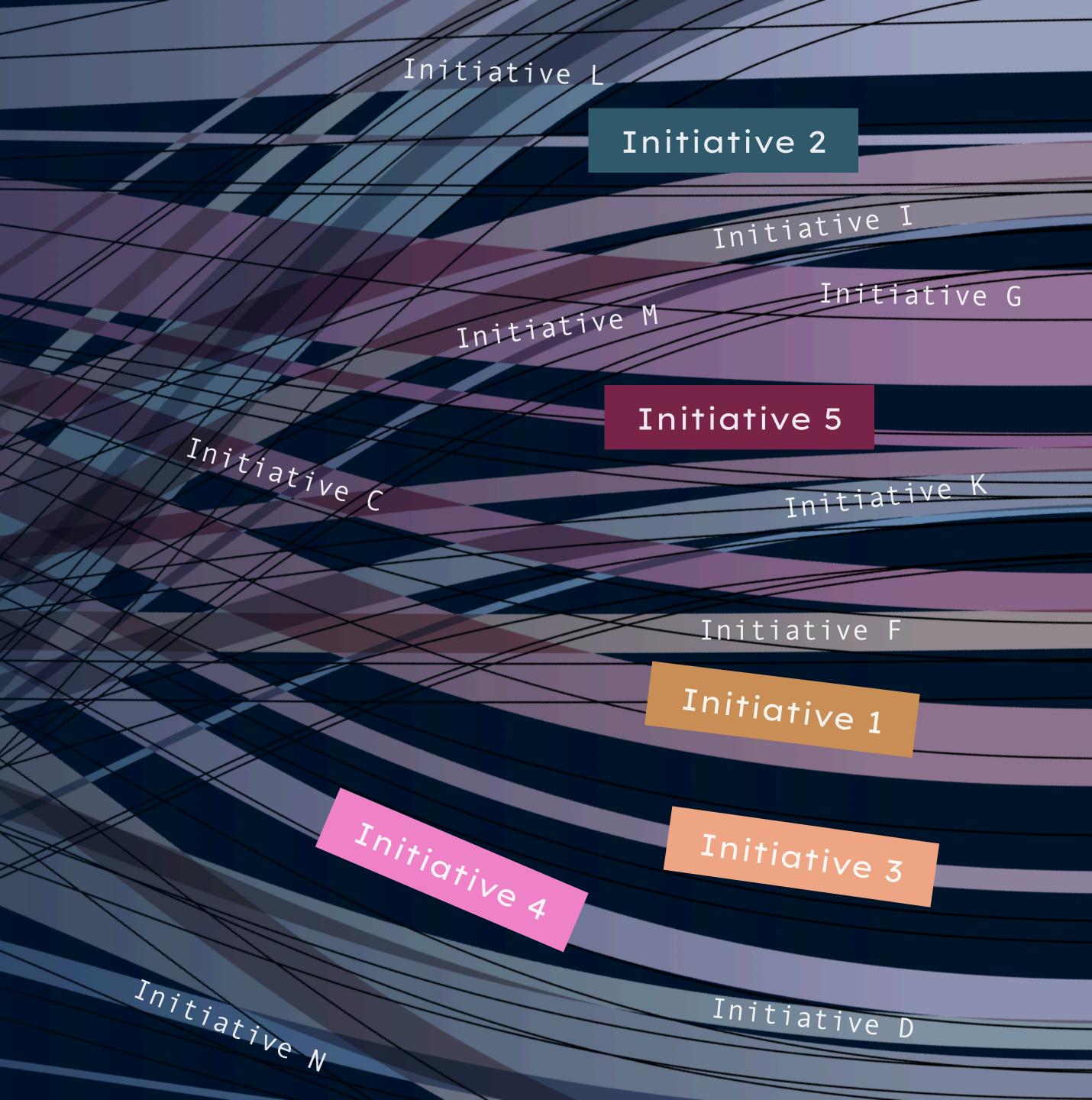
- Reduce both technical debt and innovate
- Consider different stakeholders / personas
- ✓ Balance short-term and long-term goals
- Clear reason for organizations and individuals to adopt Drupal

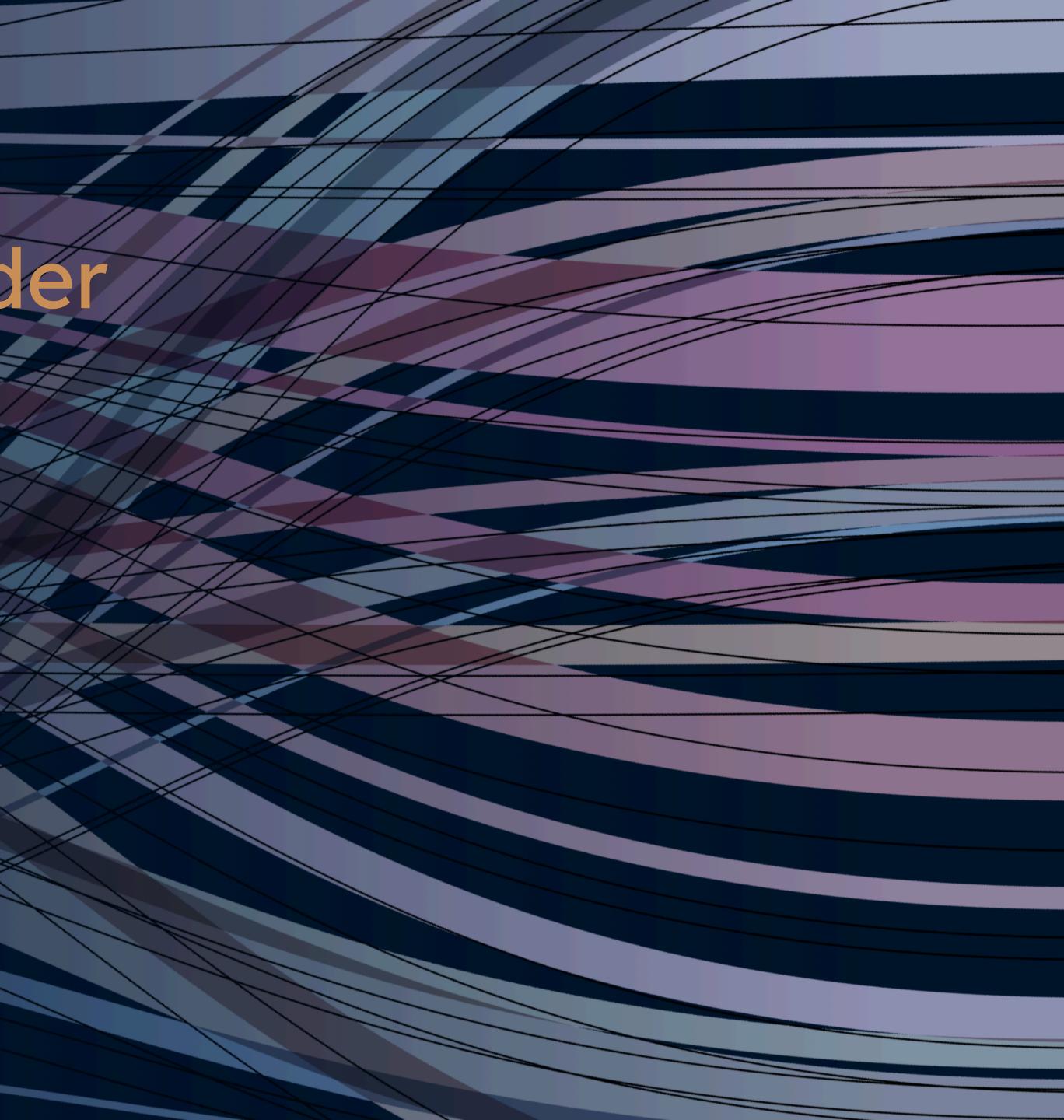


Step 1 Make a list of important initiatives to consider

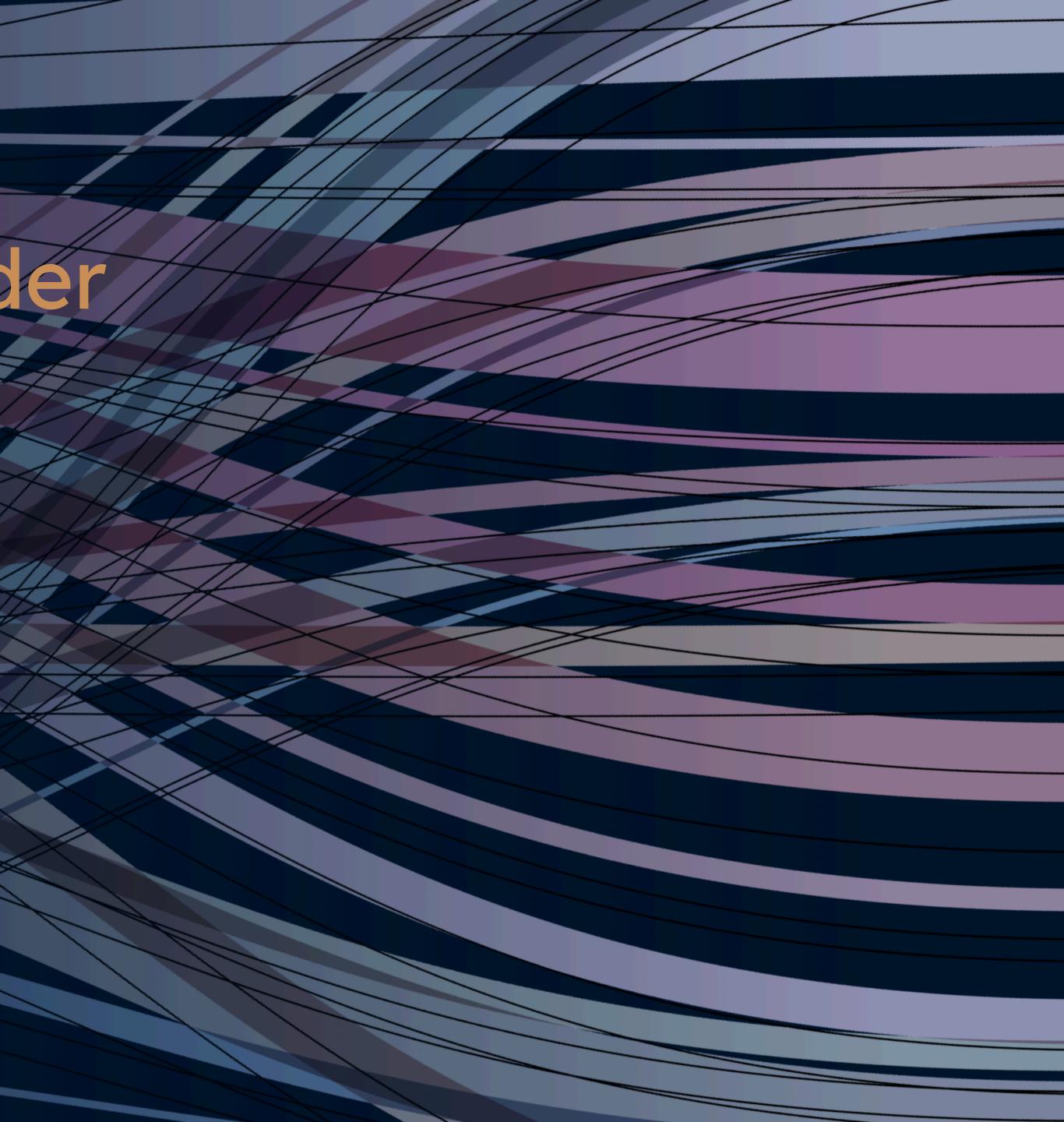


Step 2 Select five initiatives for Drupal 10

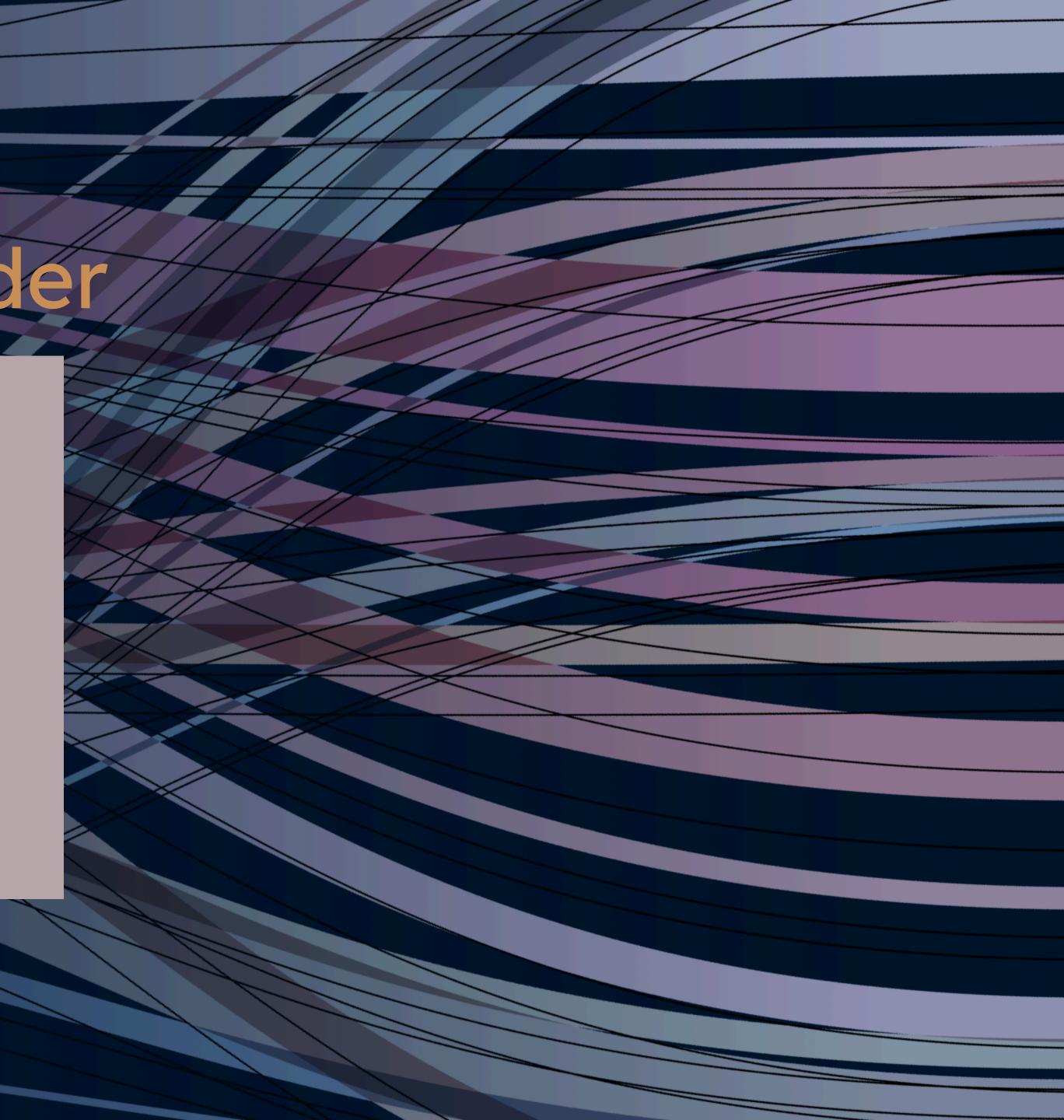




Things that are mandatory

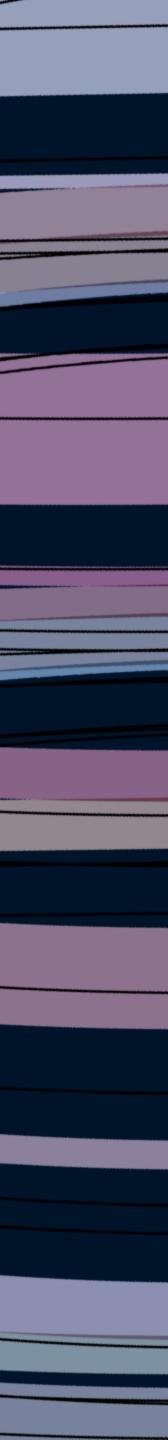


Things that are mandatory Things we already started



Things that are mandatory

Things we already started Things existing users are asking us to do

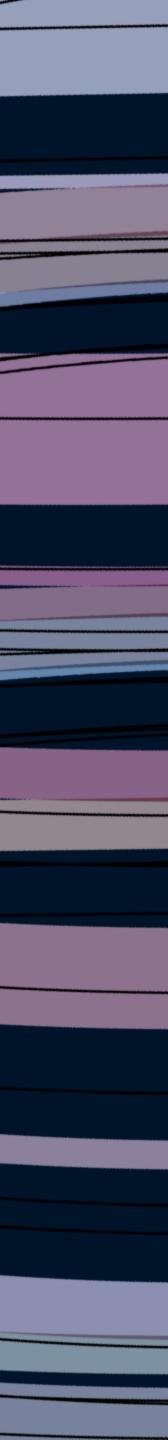


Things that are mandatory Things we already started

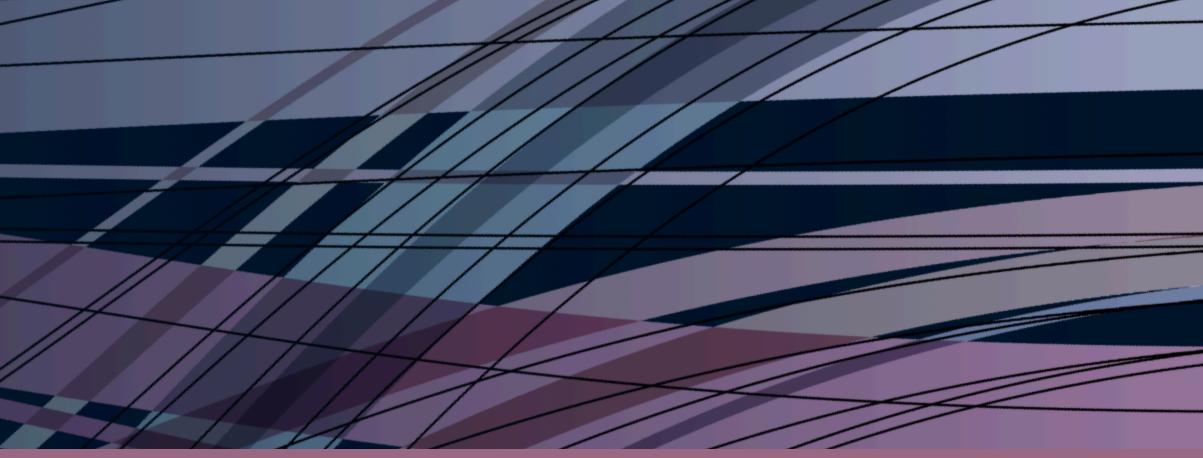


Things existing users are asking us to do

Things we must do to attract new users and stay relevant



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

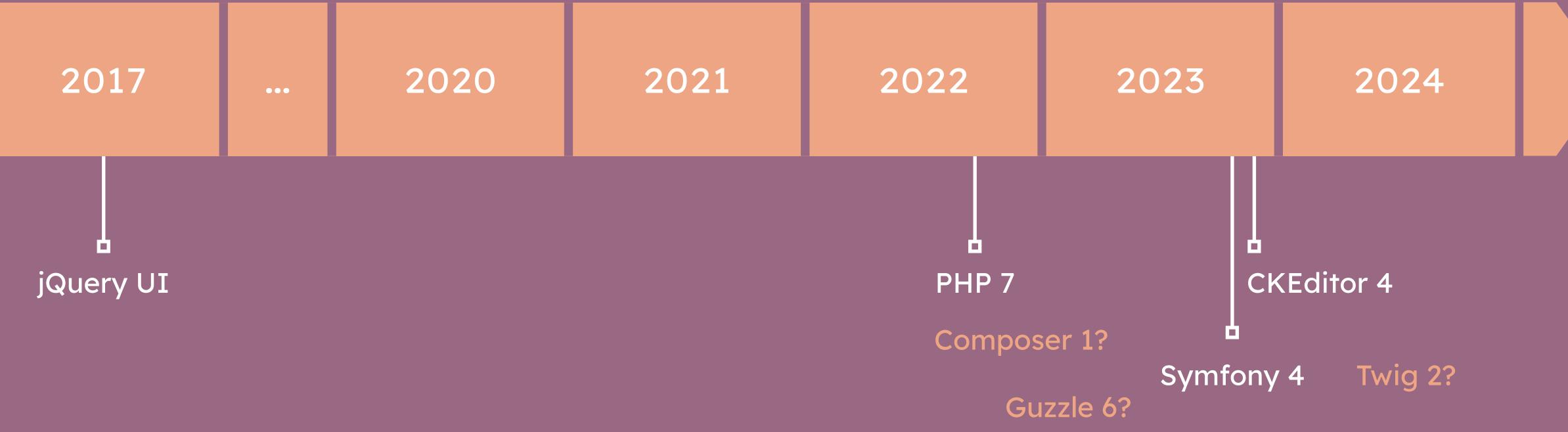






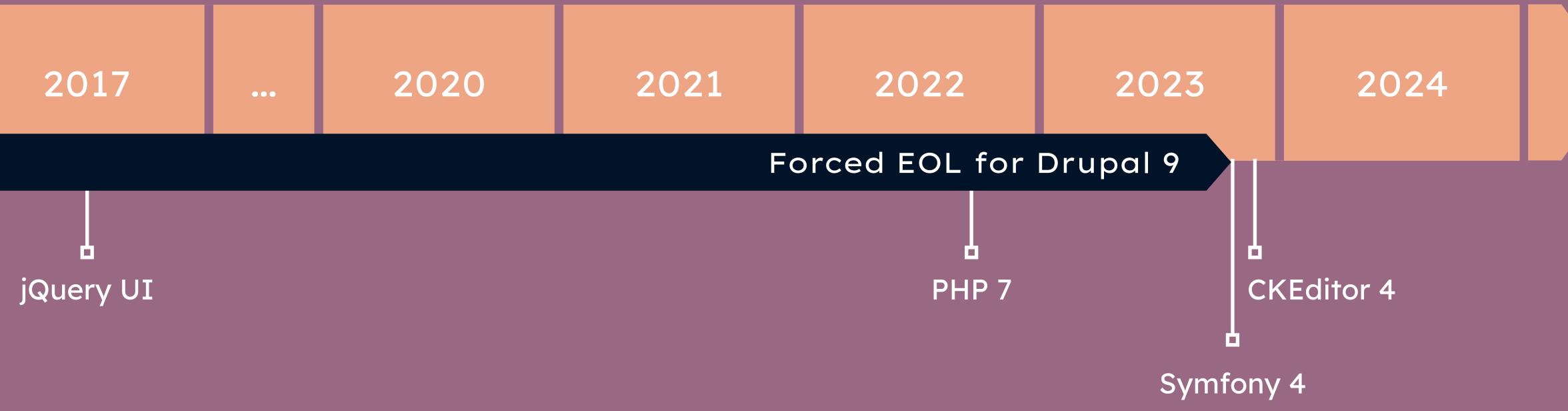


Drupal depends on third-party components that will go end-of-life





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

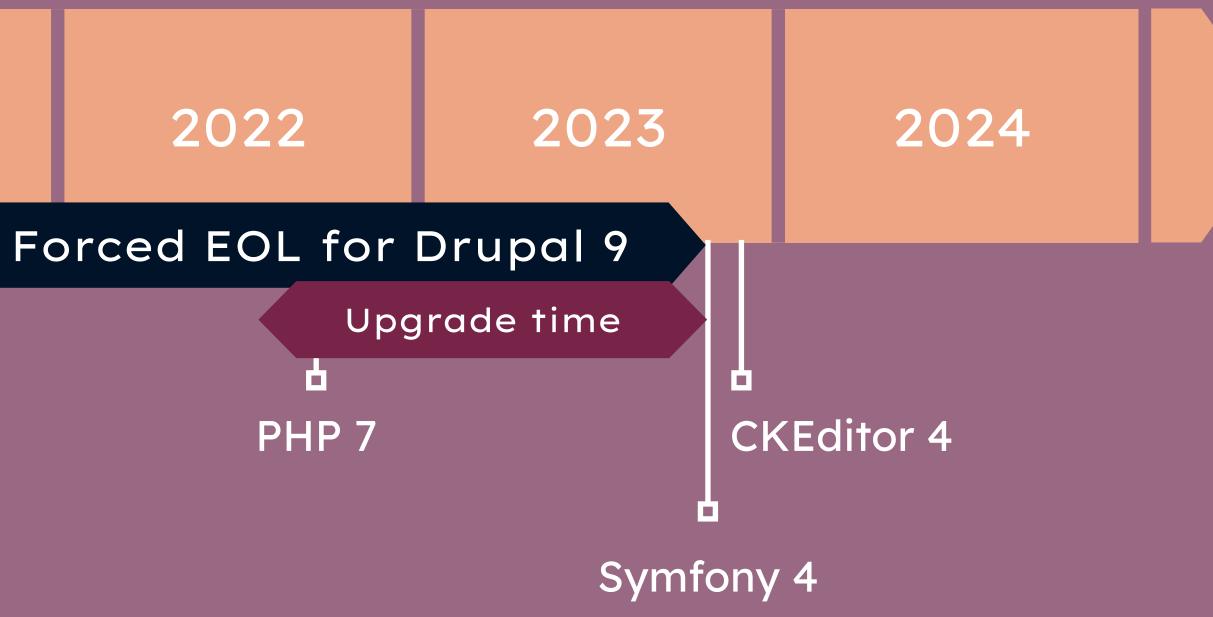




We need to allow plenty of time to upgrade

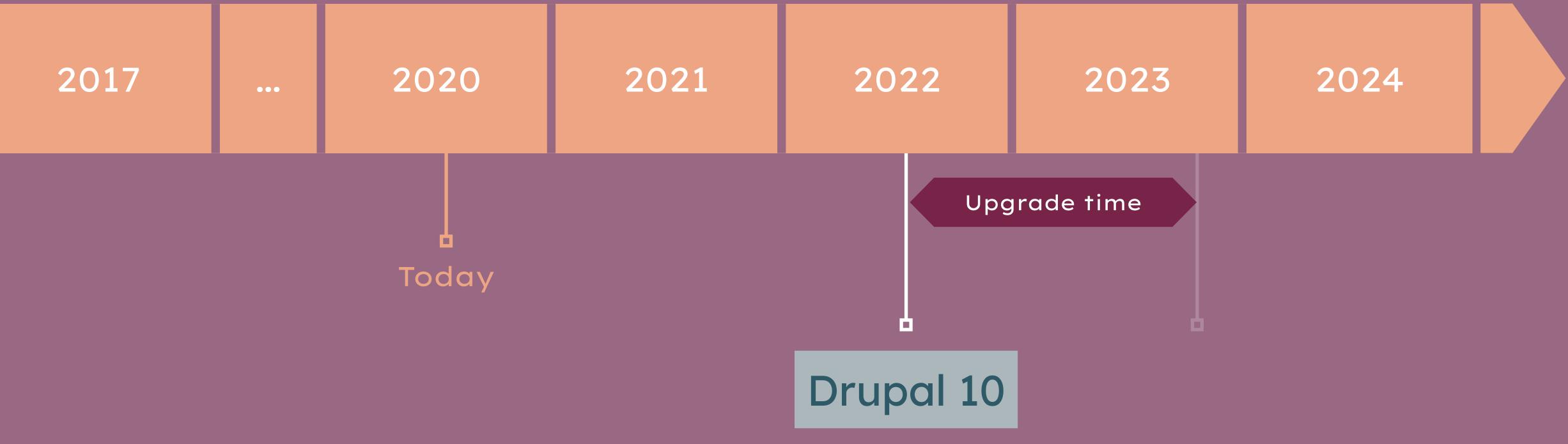
2017	•••	2020	2021

لا jQuery UI



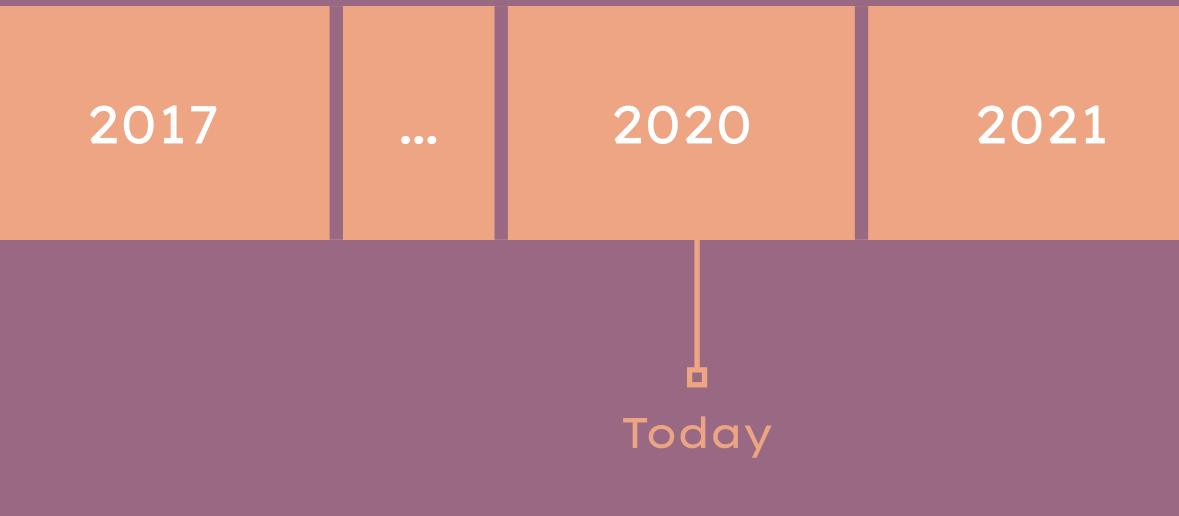


Drupal 10 targeted to be released around June 2022



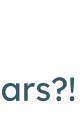


This will be a much shorter release cycle than Drupal 9



What? I have to upgrade again in 2 years?!

2022 2023 Drupal 10







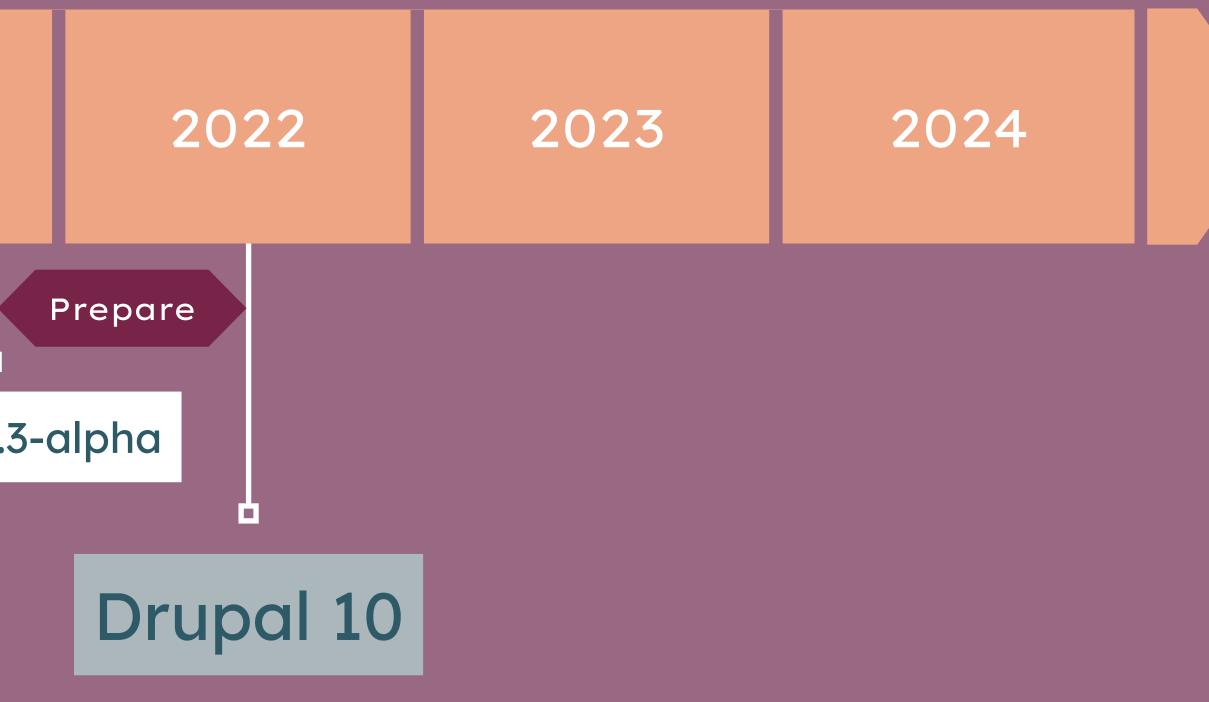
Drupal upgrades are easier than ever before!

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



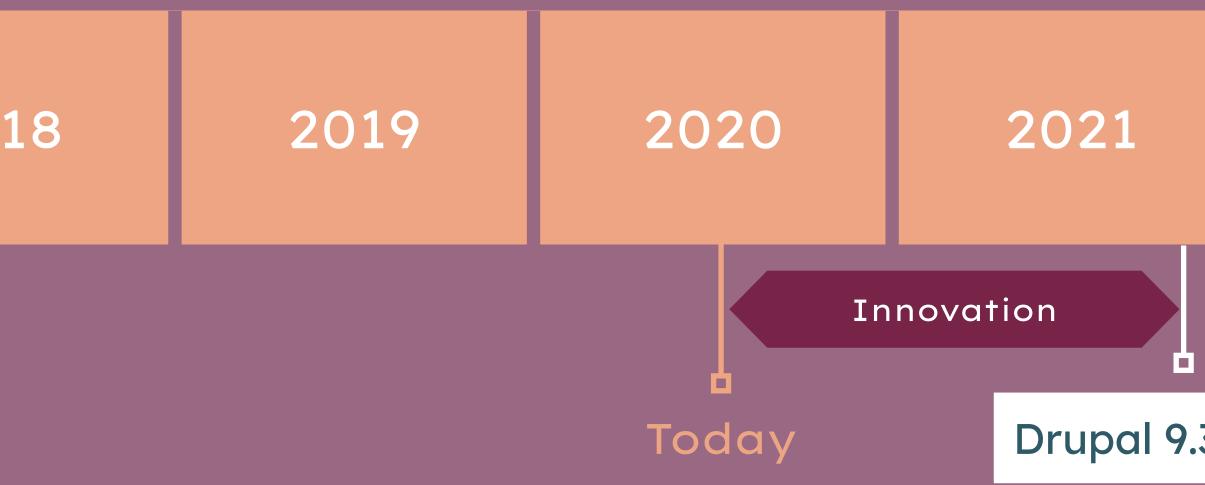
Introducing new features + replacements before Drupal 10? 9.3-alpha is the last chance

18	2019	2020	2021
		Today	Drupal 9.3





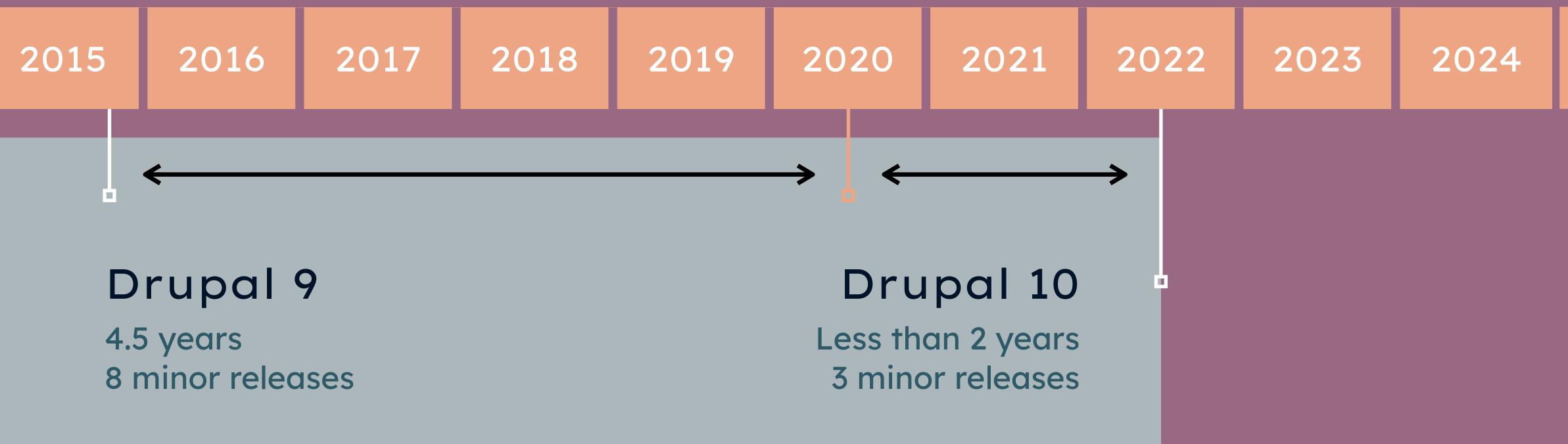
We only have 16 months to innovate on Drupal 10



		2022	2023	2024	
.3-c	alpha				
	Dru	upal 10			



This will be a much shorter release cycle than Drupal 9







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

18	2019	2020	2021
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Drupal 10 Readiness initiative

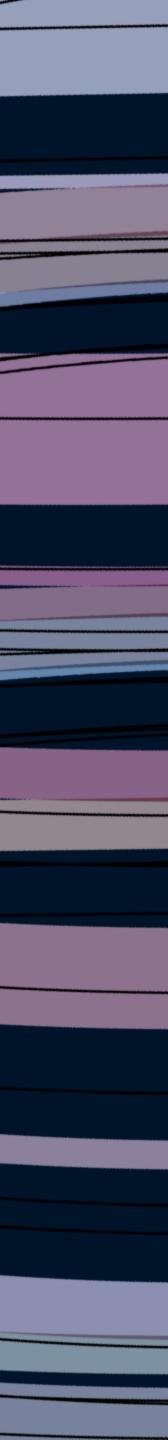
From Drupal 9	To Drupal 10	Effort	Advantages
jQuery 3	jQuery 4 (or reduced jQuery)	Extra large	More modern JS
CKEditor 4	CKEditor 5 or ?	Extra Large	Improved authoring
jQuery UI	Use-case specific solutions	Large	More modern JS
PHPUnit 8	PHPUnit 10 or 11	Large	Ongoing support
Sumafany A	Symfony 6	Large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



Things that are mandatory

Drupal 10 readiness



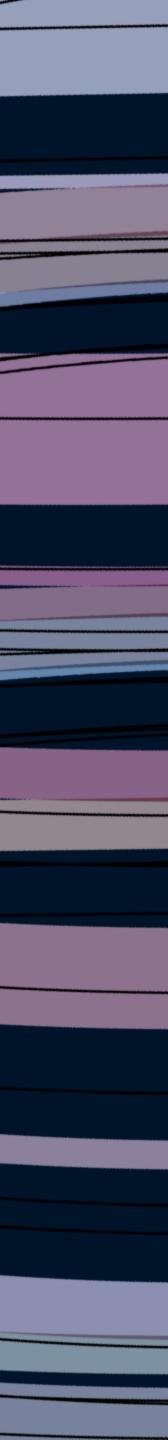


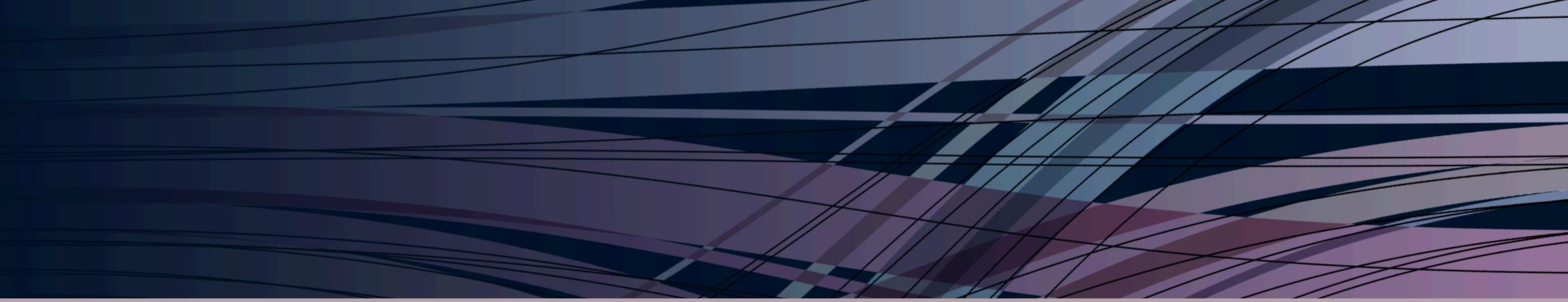
Things that are mandatory

Things we already started

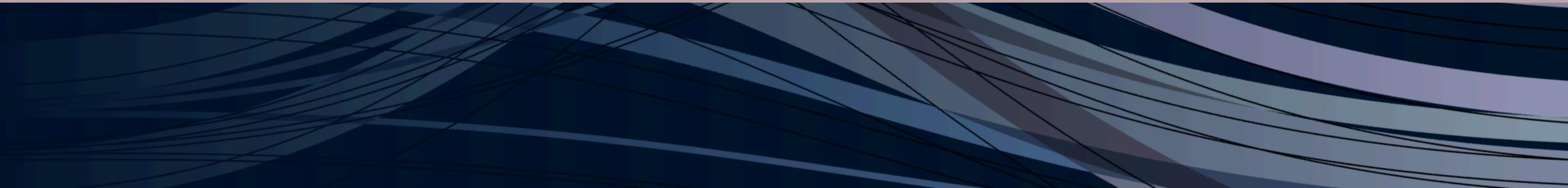
Drupal 10 readiness







Drupal already has some amazing initiatives in the works

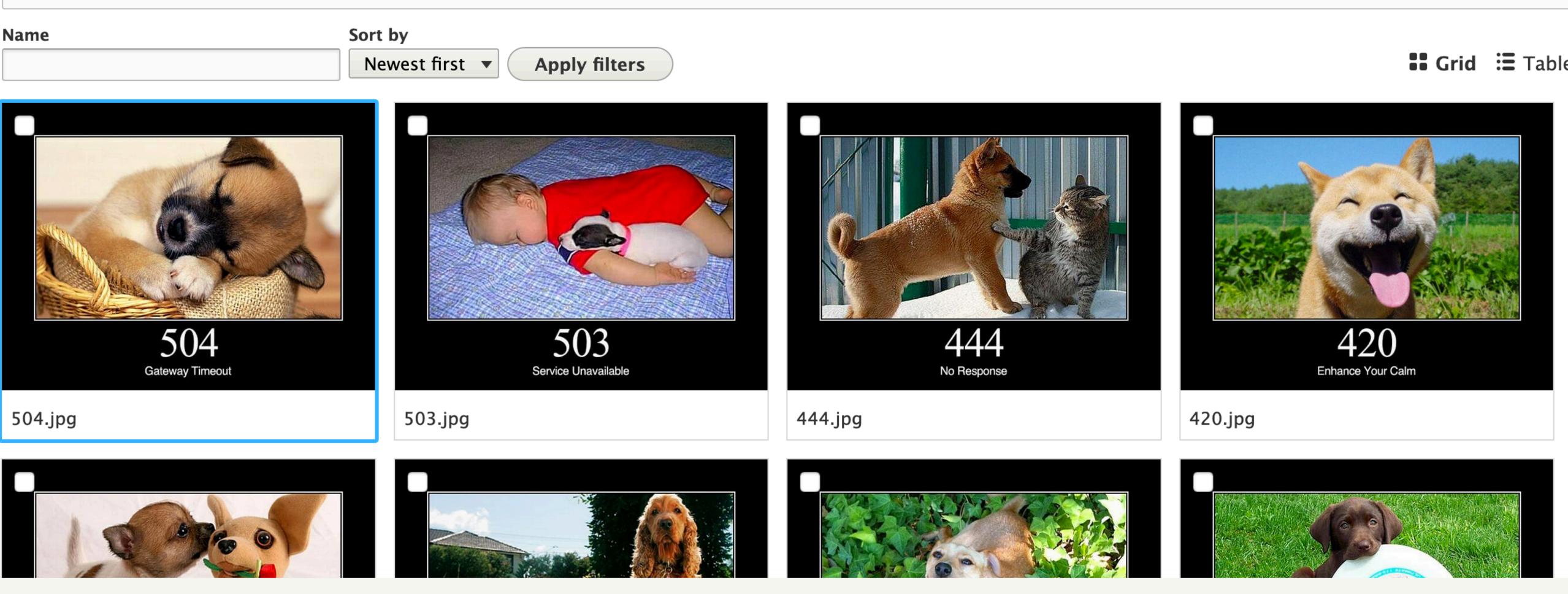




Add or select media

Add file

No file selected. Browse...



Insert selected

0 of 1 item selected



Add or select media

Media

Add file

Browse... No file selected.

All the second

STATUS

Stable: √ Enabled by default: No

TO DO

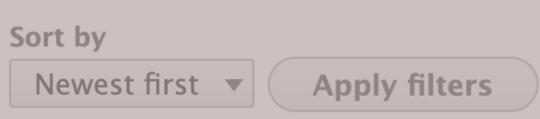
- Add missing upgrade path
- Content moderation integration
- CKEditor integration (99% done)
- UX and accessibility improvements

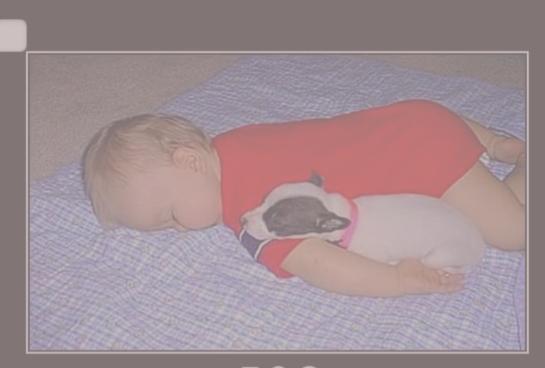






Insert selected





503 Service Unavailable

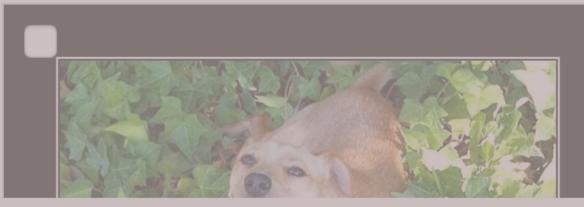
503.jpg





444.jpg







Ξ Manage ★ Shortcuts	👤 admin 🗳	Content Layo	ut Save Layout	Cancel La	iyout	
La Content	🔦 Appearance	Extend	🔧 Configuration	🧕 People	Reports	🕜 Help
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Home » Test Sections 4						
Search	Q	Ed	it layout fo	or <i>Test S</i>	Sections	4
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				Add Bloo	ck	
		Sear	rch form	2		

💉 Edit

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							Content	
							Html Text Embed block	
							Node Embed	
							core	
							Page title	
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							Tabs	
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						·-·	Search form	
						-n	User login	
			Add Block	Add I	Block		Help	
				•			Help	
		1	Add Section				Lists (Views)	
							Recent comments	
							Recent content	
l Bloc	k			Add Block			Who's online	
			Who's online				Menus	
			There are currently 1 use	rs online.			Administration	
			admin				Footer	
							Main navigation	
			Add Section				Tools	
							User account menu	

Shortcuts

Placeholder Blocks

Layout Builder

≡	Manage	★ Shortcuts	👤 admin 🗎	Content Layou	ut Sav
Ŀ	Content	Structure	Appearance	Extend	🔧 Conf
		D8 Lay	outs		
	Home				
	110,110				
	Home »	Test Sections 4			

STATUS

Stable: √ Enabled by default: No

TO DO

- Remove old block placement UI

- UX and accessibility improvements

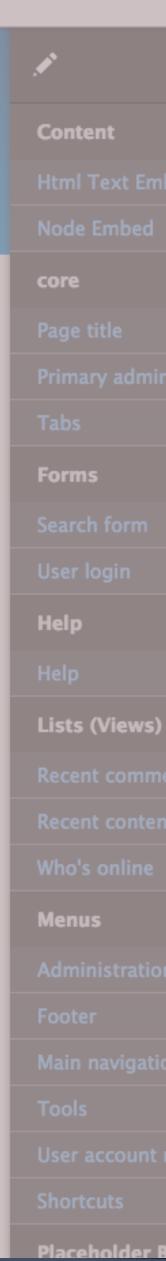
ve Layout	Cancel La	yout		
figuration	L People	Reports	🕜 Help	
				My account Log out

Edit layout for *Test Sections 4*

Search form

r - - - - - - -

	Add Section		
Add Block	Add Block	Add Block	
	Add Section		
Add Block	Who's onlin There are current admin		
	Add Section		



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ic page	John	Published	10/19/2018 - 1	19:23	Edit 🗸	

New admin theme Claro

Manage * Shortcuts
 Content Structure Appearance Extension
 Content S
 Content Files
 + Add content

STATUS

Beta: √ Stable: No Enabled by default: No

TO DO

- Media integration
- Toolbar support
- Modules administration pages

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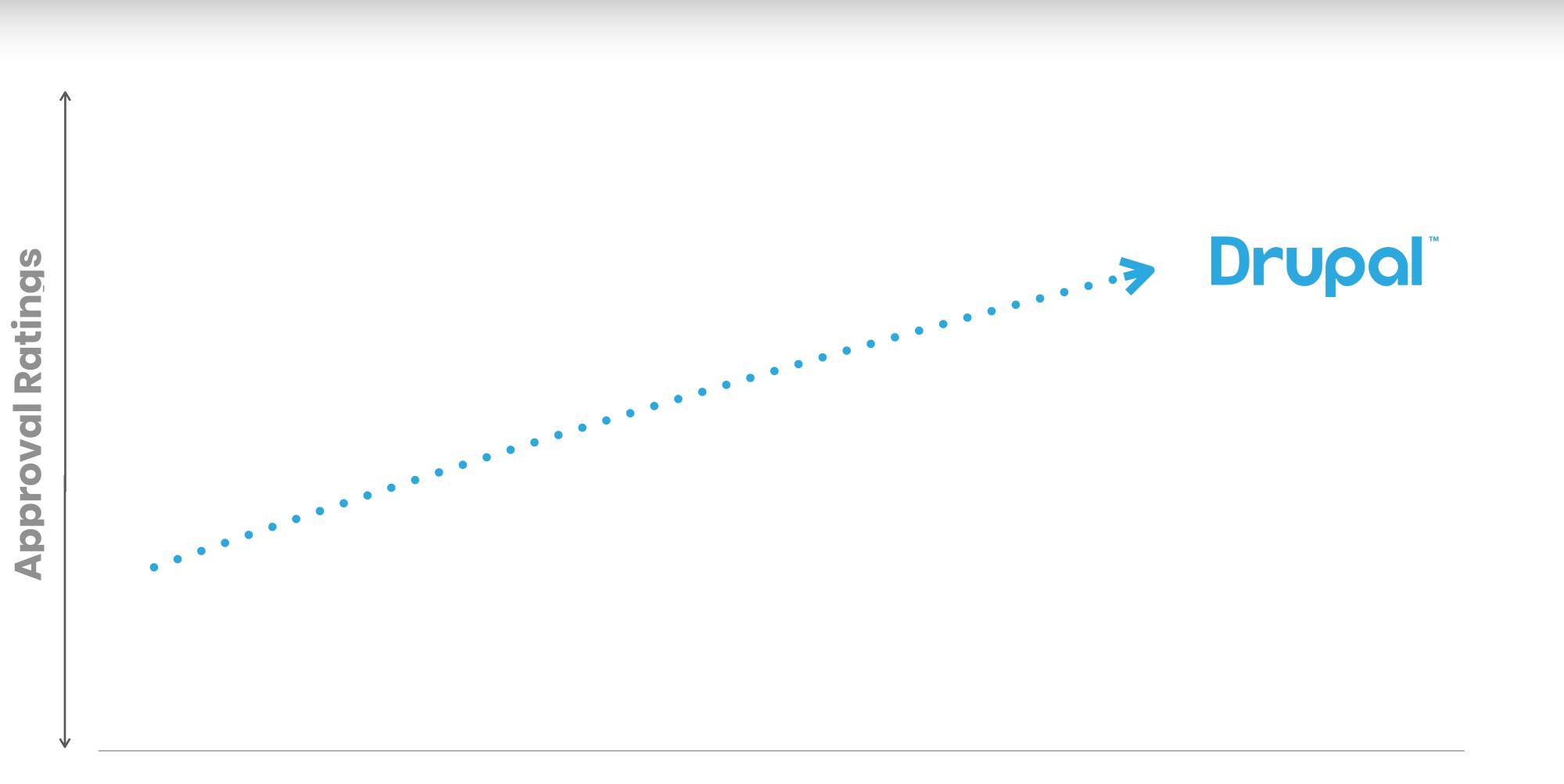
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ontent type – Any –	Published sta		Language – Any –	∽ Filter	
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	Event landing page	admin	Published	11/02/2018 - 14:42	Edit 🗸
arturient	Article	<u>Marthae</u>	Published	10/19/2018 - 19:23	Edit 🗸
mod	Article	<u>Sam</u>	Published	10/19/2018 - 19:23	Edit 🗸
	Basic page	<u>John</u>	Published	10/19/2018 - 19:23	Edit 🗸





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

FLASHBACK TO DRUPALCON AMSTERDAM 2019



Beginner

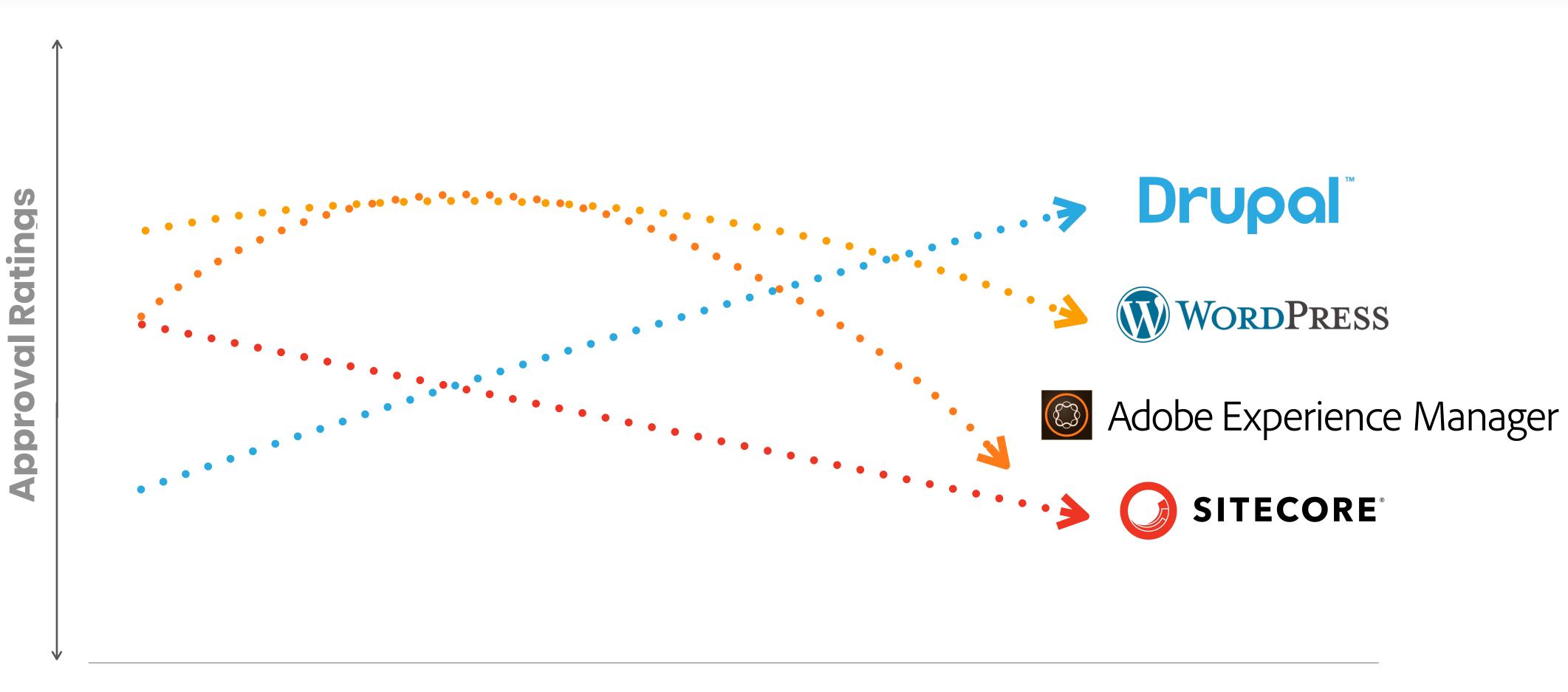
Intermediate user

Drupal vs. other CMSs over time

Expert user

FLASHBACK TO DRUPALCON AMSTERDAM 2019

Drupal vs. other CMSs over time



Beginner

Intermediate user

Expert user

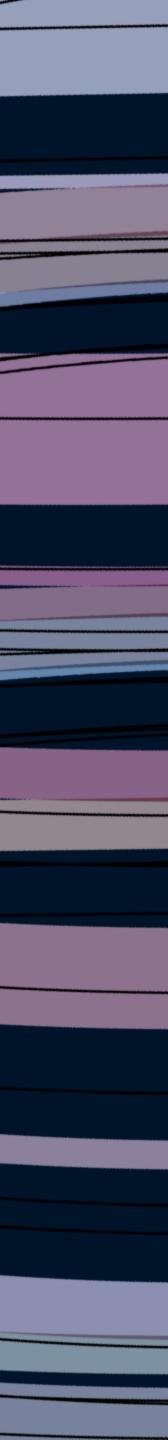
Things that are mandatory

Things we already started

Drupal 10 readiness

Easy out-of-the-box







New front-end theme Olivero

STATUS In core: No

TO DO

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

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DRUPAL

by Dries Buytaert, 14 January 2020





Drupal 9: The Most Beautiful CMS Ever!

Things that are mandatory

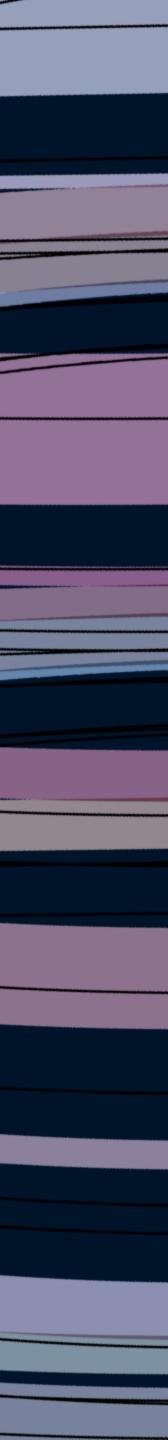
Things we already started

Drupal 10 readiness

New front end theme

Easy out-of-the-box





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

لر

Automated updates

made important progress





European Commission



Automated updates Problem broken down into 4 parts

Step 1: Prepare for upgrade \rightarrow Integrity checks -

Step 2: Download updates \rightarrow Composer 2

Step 3: Verify updates \rightarrow Package signing

Step 4: Switch to new updates \rightarrow Custom bootloader





Automated updates

Site owners will sleep soundly when Security updates can be automated

Things that are mandatory

Things we already started

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness





Things we already started

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

Automated updates

New front end theme

Easy out-of-the-box







Bug smash initiative

New help topics

Workspaces

Configuration management 2.0



Things that are mandatory

Things we already started

Automated updates

New front end theme

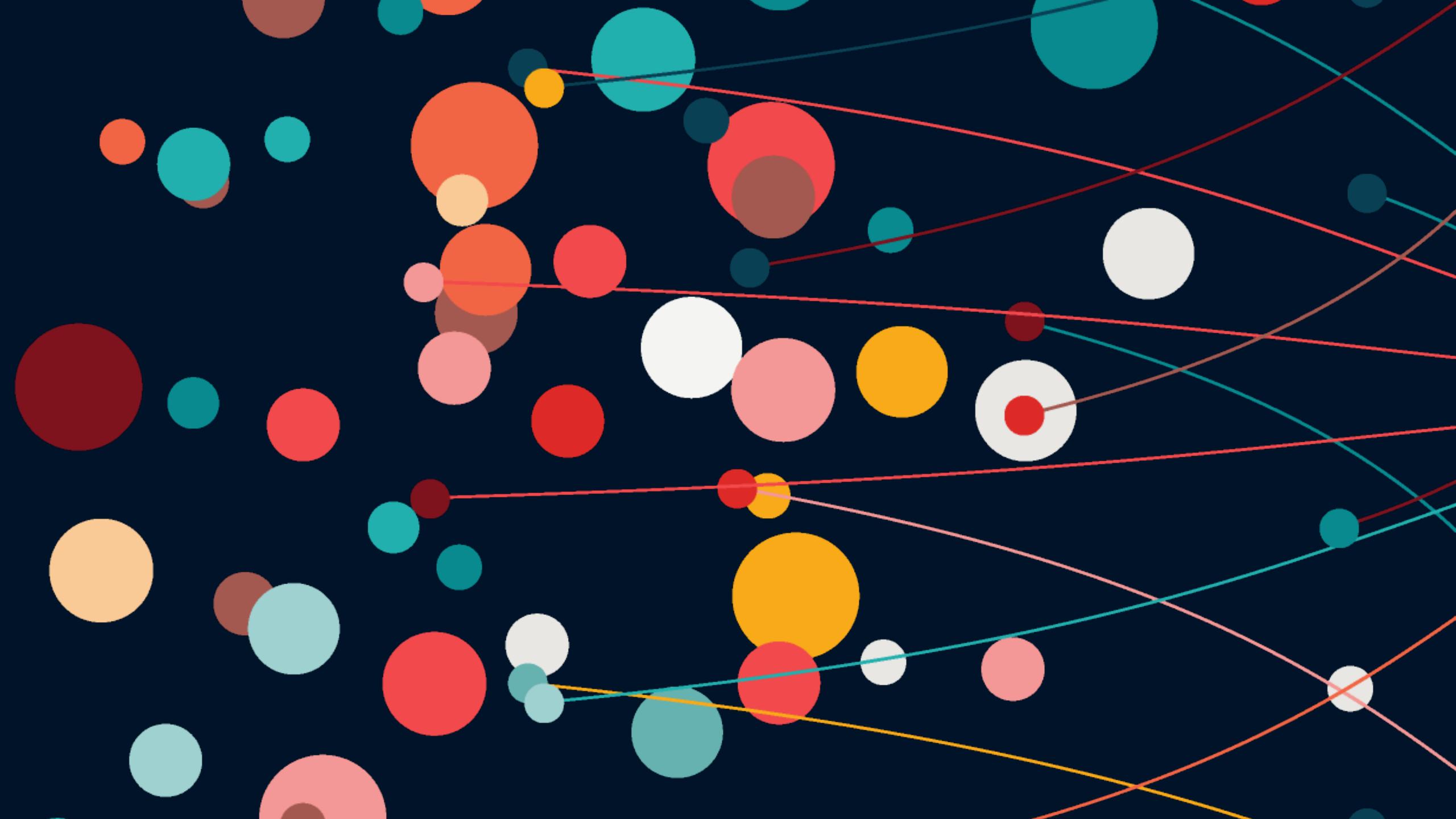
Easy out-of-the-box

Drupal 10 readiness



Things existing users are asking us to do

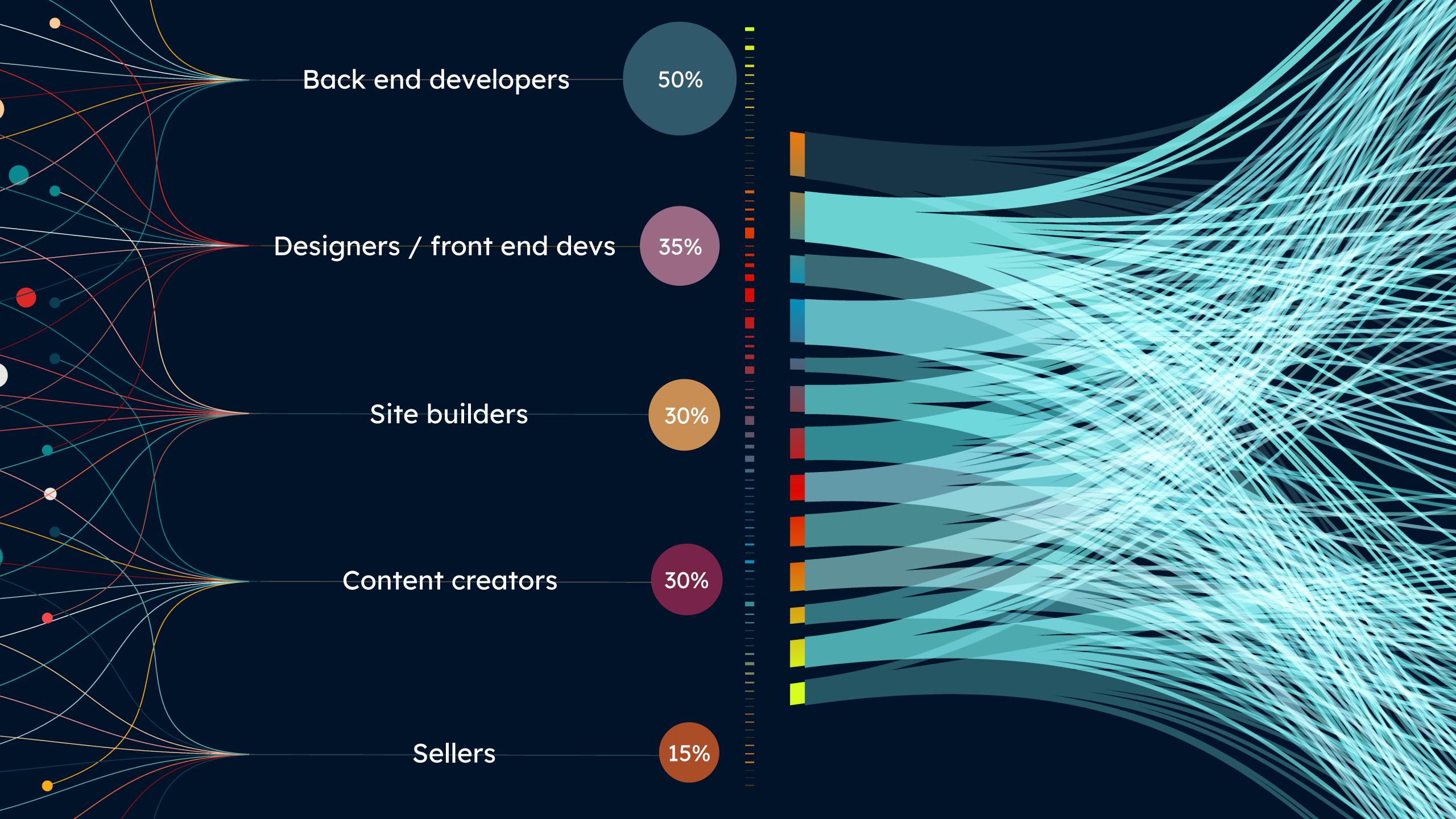




2,222 people took the survey

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

Guess what? We did a survey!



Top 2 items for

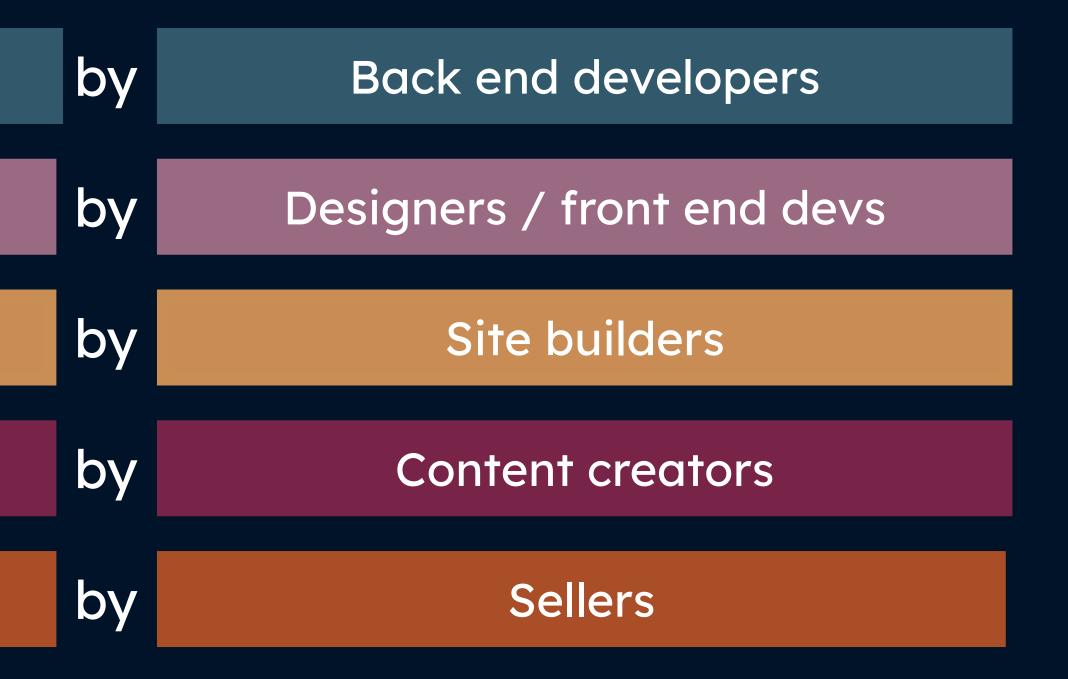
Back end developers

Designers / front end devs

Site builders

Content creators

Sellers



with Drupal 8 experience

Top 2 items for

Back end developers

Designers / front end devs

Site builders

Content creators

Sellers

Number of answers / data points



with Drupal 8 experience



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

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

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

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

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

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



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

A LOT



Back end developers

Designers / Front end devs

1. Improved Drupal 1. JavaScript brought up API documentation to modern standards 2. Replace Drupal's hook 2. A component-based theme system with events system (e.g., reusable interactive theme elements 3. Improved developer like responsive tables) experience with more 3. SDKs for common JavaScript consistent APIs frameworks (e.g., React SDK, 4. Improve, rework, and Vue.js SDK) modernize older APIs Better debugging tools and components (e.g., 4. Symfony, Translation, for Twig/CSS Form, Render, Batch) 5. Improve and rework rendering 5. A Drush-like CLI and theming APIs in core 6. Admin interface provided 6. Unified entity by a JavaScript framework access API 7. A refreshed default 7. Improved Composer front-end theme support 8. Progressive Web (e.g. replace info.yml App support files, distribution packaging) Support for Open Web (e.g., microformats, decentralized 8. Easy local social networks) development solution 10. In-browser 9. Remove extraneous theming/design tools product features from core. in favor of contrib (e.g., Forum) 10. Better automated testing tools 11. Improved support for install profiles/ distributions 12. Even better web services support

Site builders		Content creators		
· · · · ·	<pre>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</pre>	 1. 2. 3. 4. 5. 6. 7. 8. 	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 (e.g., inherent staging and approval workflow support) Improved contextual help and overall "how-to" guidance	
2.	Preconfigured content types/fields for common scenarios			

1. A better looking administration experience that demos well

Sellers

- 2. "Battle cards" to explain why Drupal is better than its competitors
- 3. Out-of-the-box integrations to demo how Drupal integrates with marketing solutions
- 4. A predictable Drupal roadmap
- 5. Readily available marketing materials (e.g., premade material to address Drupal's security track record)
- 6. Certification of companies based on contribution credits
- 7. Easy ability to sponsor contributors or initiatives that I care about
- 8. Premade material to help address concerns about GPL/open source

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

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Sellers	Better looking admin theme		
	Out-of-the-box integrations		

Beg

ginners vs. Experts TOP SURVEY REQUESTS		2 stars = 50% of respondents answered 'Drop everything		
Back end	Improved API documentation	you are doing and do this!"		
developers	Replace Drupal's hook system with event	S		
Designers / Front end devs	Modernize JavaScript			
	A component-based theme system			
Contont orontoro	Modern administration UI			
Content creators	Easier to use page building tools			
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Back end developers	Improved API documentation		
	Replace Drupal's hook system with events		
Designers /	Modernize JavaScript		
Front end devs	A component-based theme system		
			3% of respondents
Contont croators	Modern administration UI		d 'Drop everything doing and do this!'
Content creators	Easier to use page building tools		
Sellers	Better looking admin theme		
	Out-of-the-box integrations		



	TOP SURVEY REQUESTS	BEGINNERS	EXPERTS
Back end developers	Improved API documentation		
	Replace Drupal's hook system with events		
Designers / Front end devs	Modernize JavaScript	Shows consensus (or lack thereof)	
	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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Content creators	Modern administration UI		\bigstar
	Easier to use page building tools		\bigstar
Sellers	Better looking admin theme	\bigstar	
	Out-of-the-box integrations		\bigstar

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		$\mathbf{\mathbf{x}}$
	More modules in core		
	FIDE MOULES IN COLE		
Contont orogtore	Modern administration UI		
Content creators			
Content creators Sellers	Modern administration UI		

Mod

dern admi	nistration UI is #2 TOP SURVEY REQUESTS	BEGINNERS	EXPERTS
Back end	Improved API documentation		
developers Designers /	Replace Drupal's hook system with events		
	Modernize JavaScript		
Front end devs	A component-based theme system		
Site builders	More modules in core		
	Modern administration UI		
Content creators	Easier to use page building tools		
	Better looking admin theme		
Sellers	Out-of-the-box integrations		

Initiatives to consider

Things that are mandatory Things we already started

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness



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 🔶



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Modernize JavaScript

Component-based theme

Automated updates 🔶 🔶

Easier page building

Modern admin UI 🔶

Things we must do to attract new users and stay relevant



Initiatives to consider

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Things existing users are asking us to do

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Component-based theme

Automated updates 🔶 🔶

Easier page building

Modern admin UI 🔶

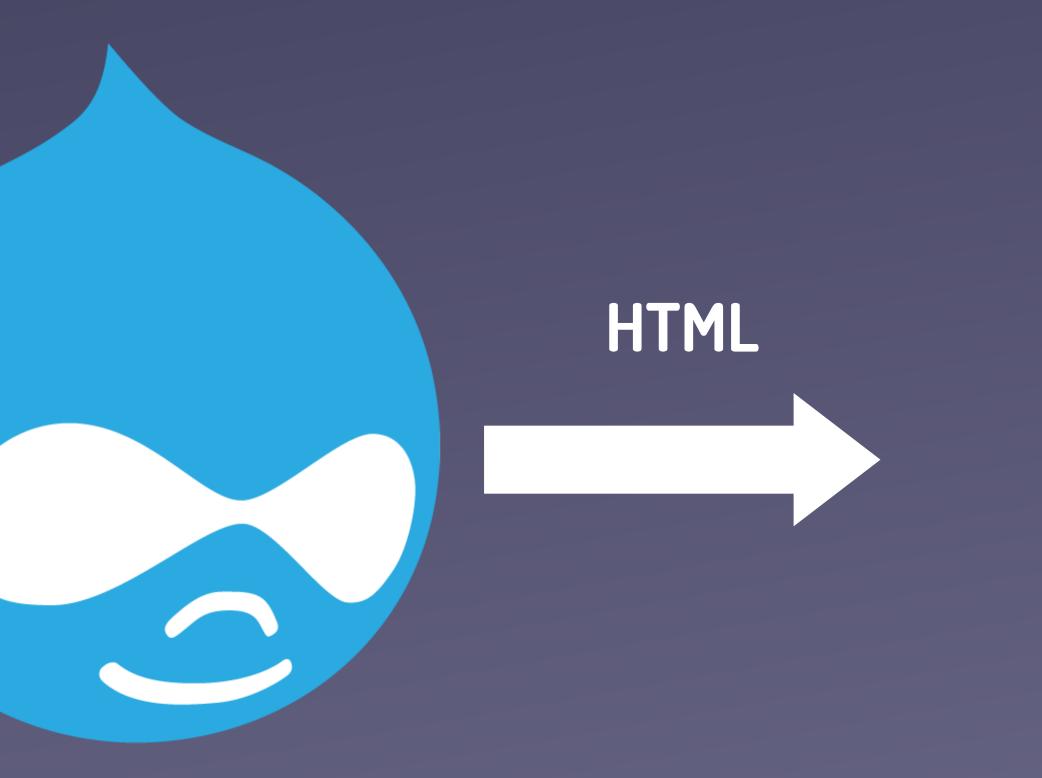
Things we must do to attract new users and stay relevant



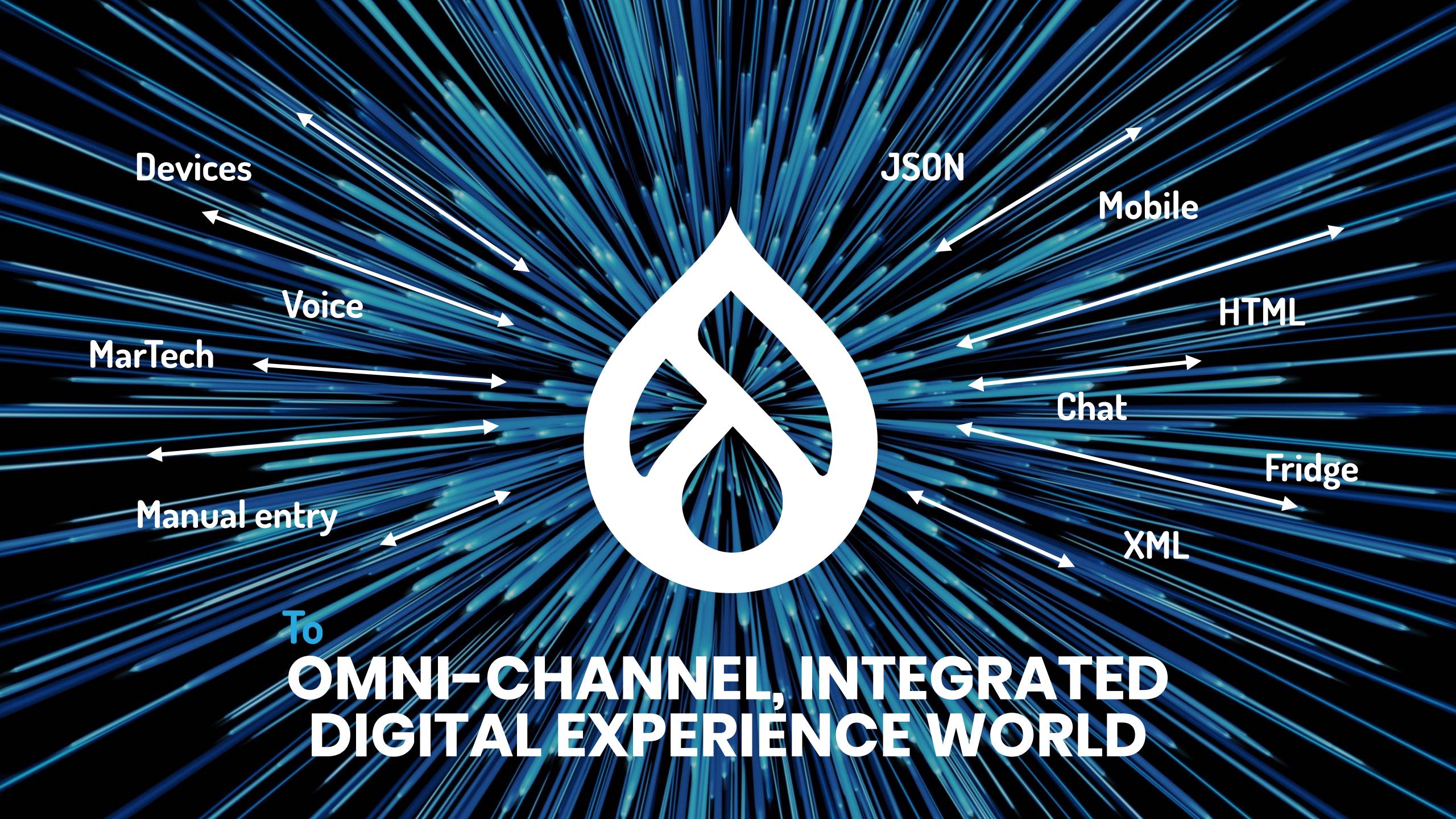
FLASHBACK TO DRUPALCON AMSTERDAM 2019

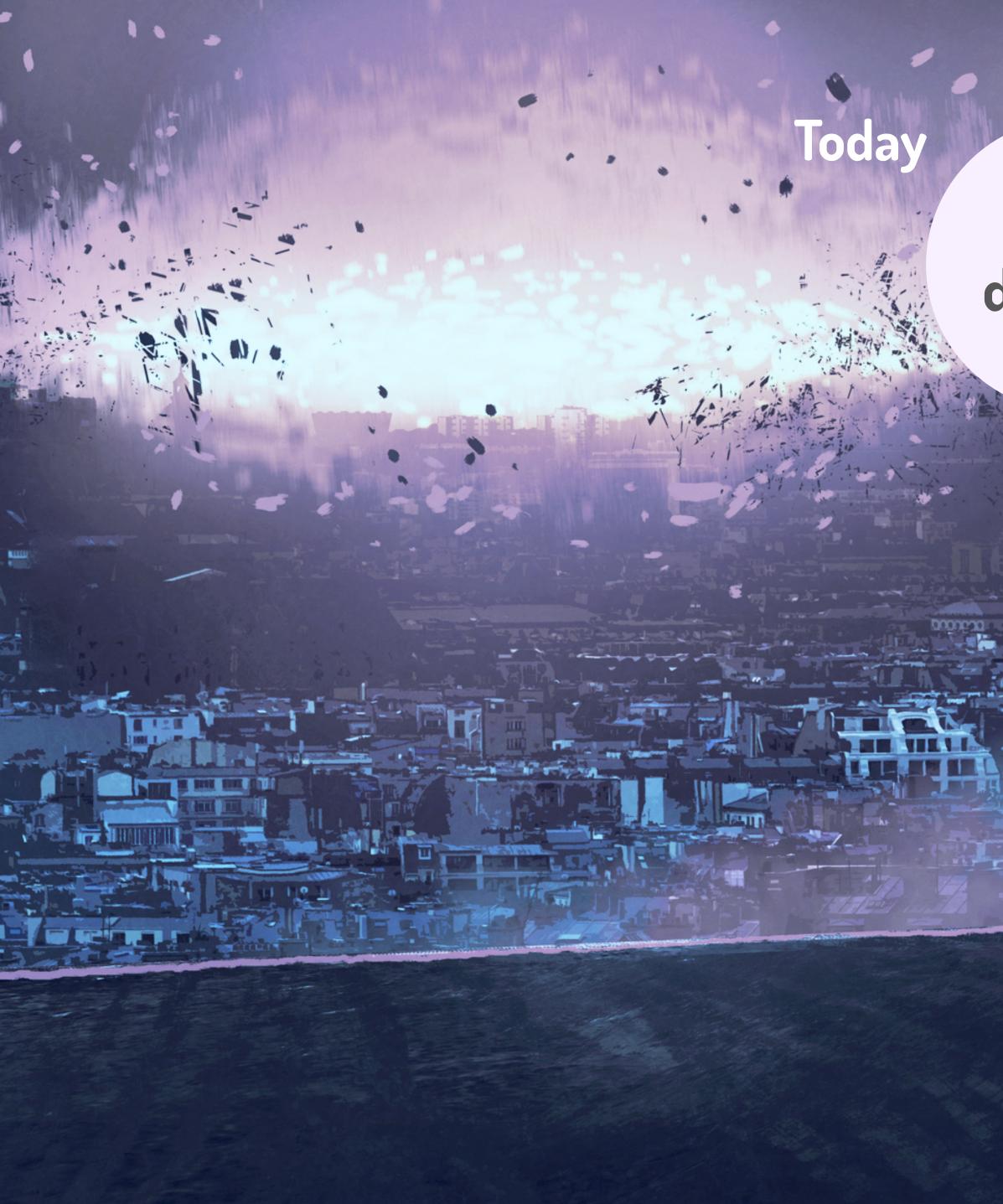
Manual entry

From



A BROWSER-ONLY WORLD



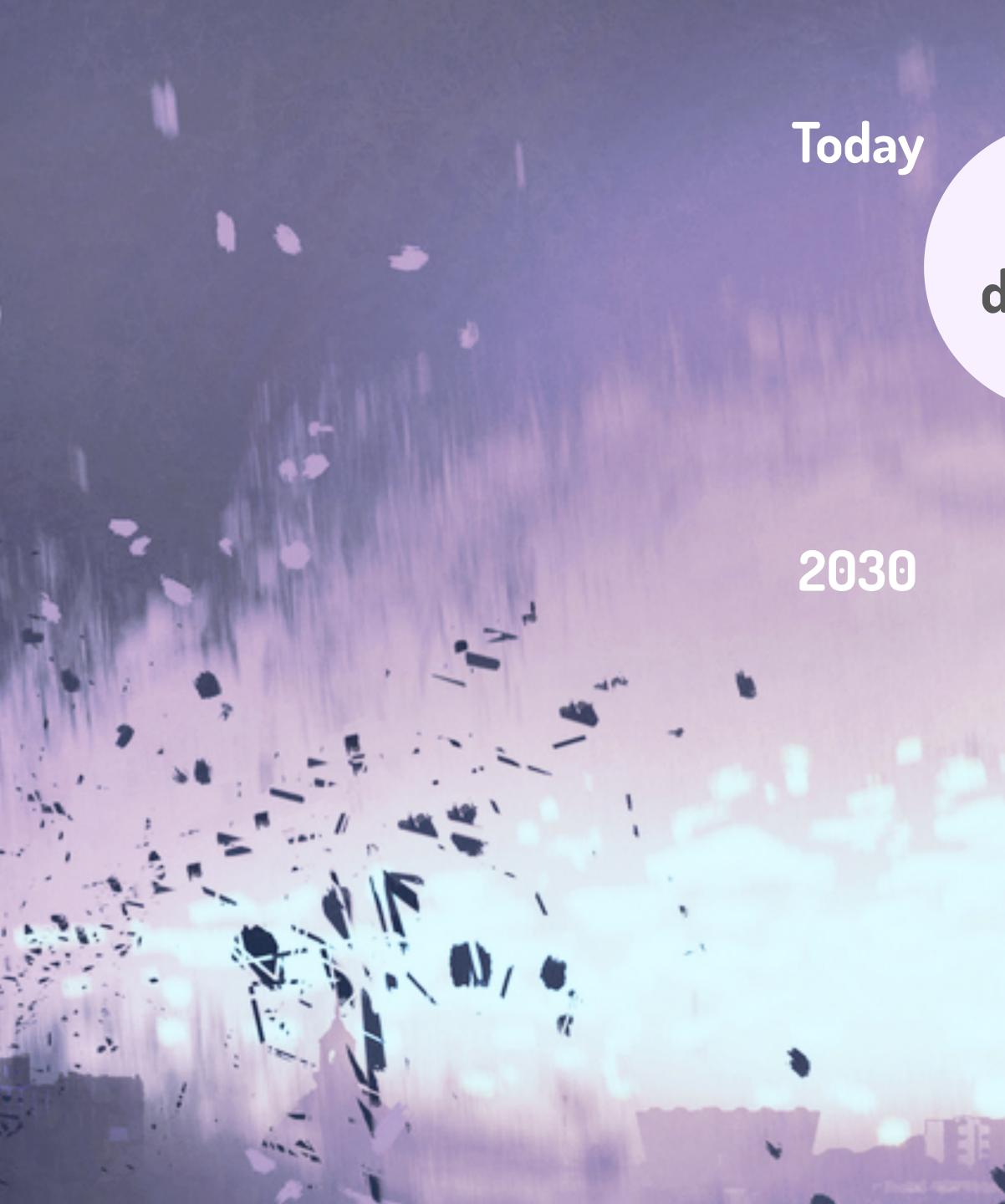


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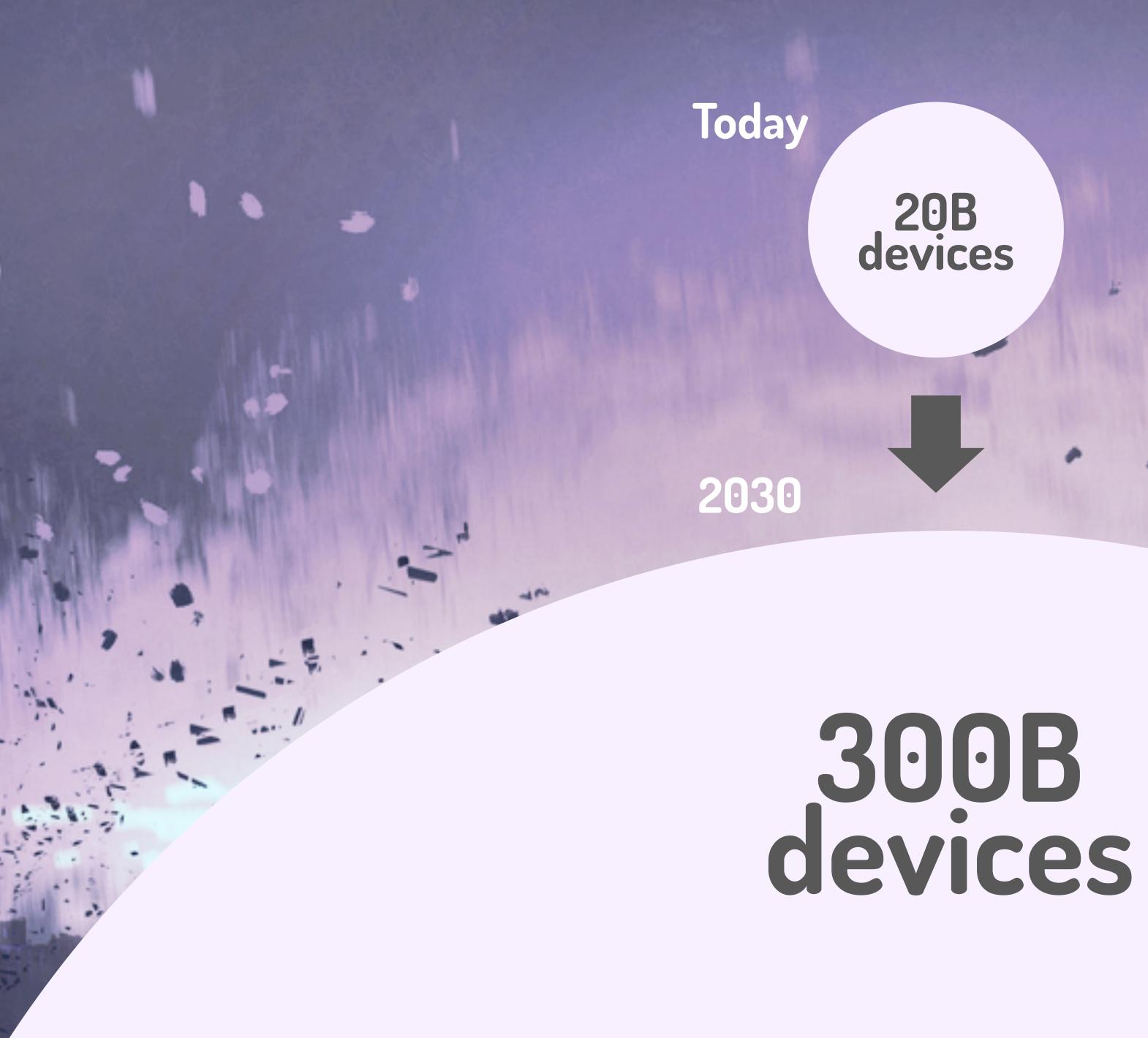
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To be the CMS of the future, Drupal needs to evolve

froma

Content repository

Integration framework

Structured data engine

Content repository

to a



But there is another important trend...



Front end developers don't like PHP



134

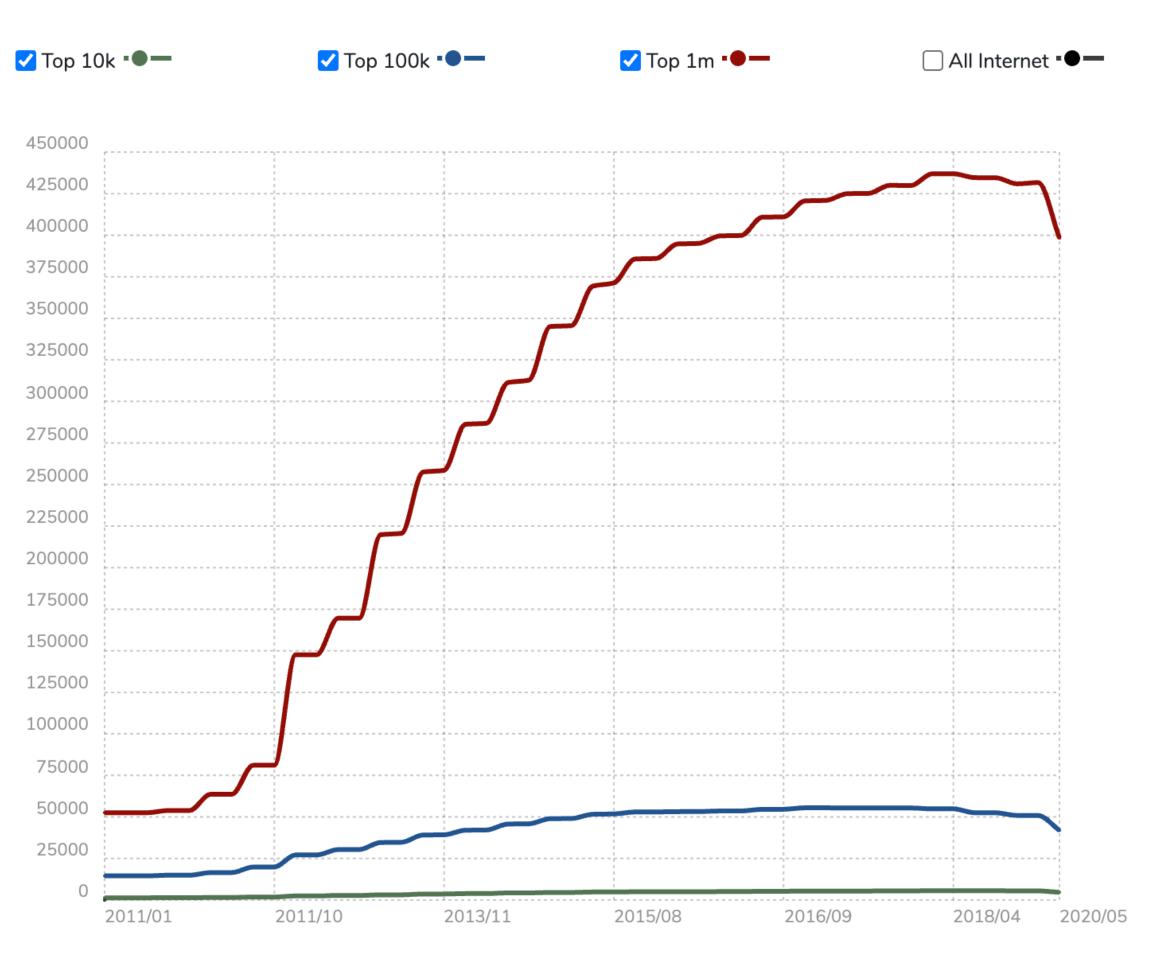
PHP is now faster + better than ever before



But to be fair, the numbers are declining

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

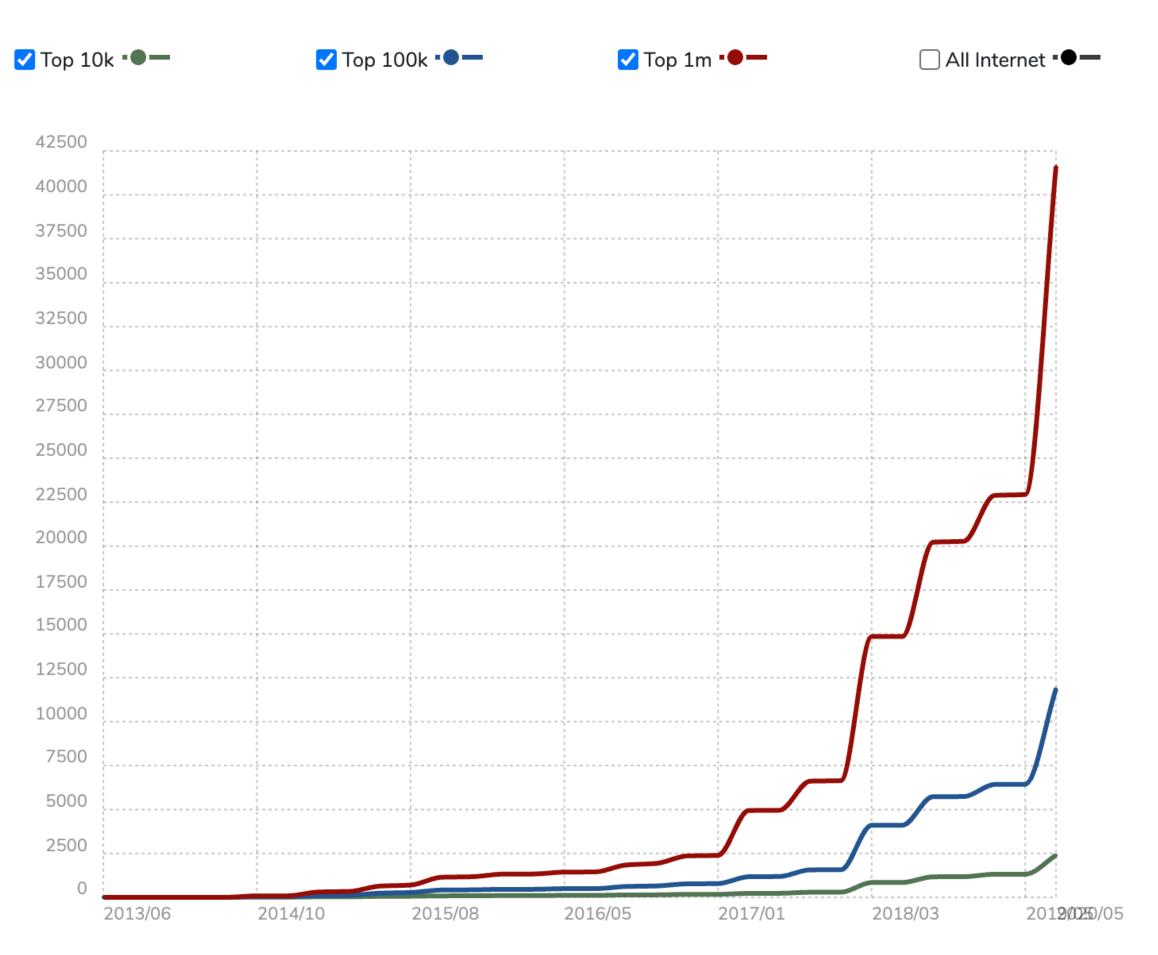
PHP Usage Statistics

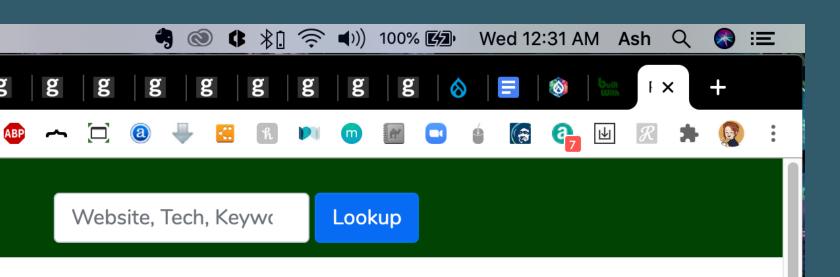


...and JavaScript is growing fast

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

React Usage Statistics





Download Lead List

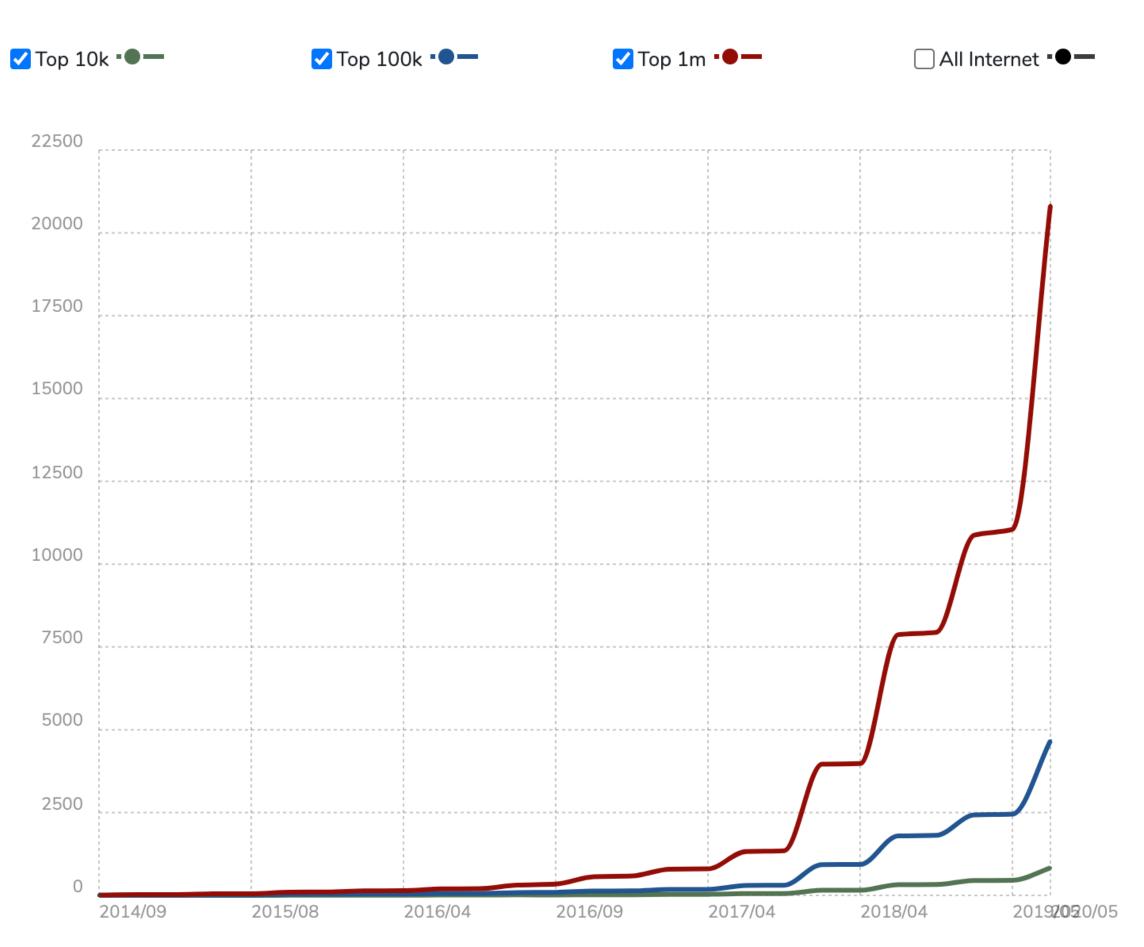
et a list of 2,157,638 websites using React which cludes location information, hosting data, contact etails, 1,066,768 currently live websites and an diditional 2,956,500 domains that redirect to sites in is list. 1,090,870 sites that used this technology reviously and 652,132 websites in the United States urrently using React.

ite Totals

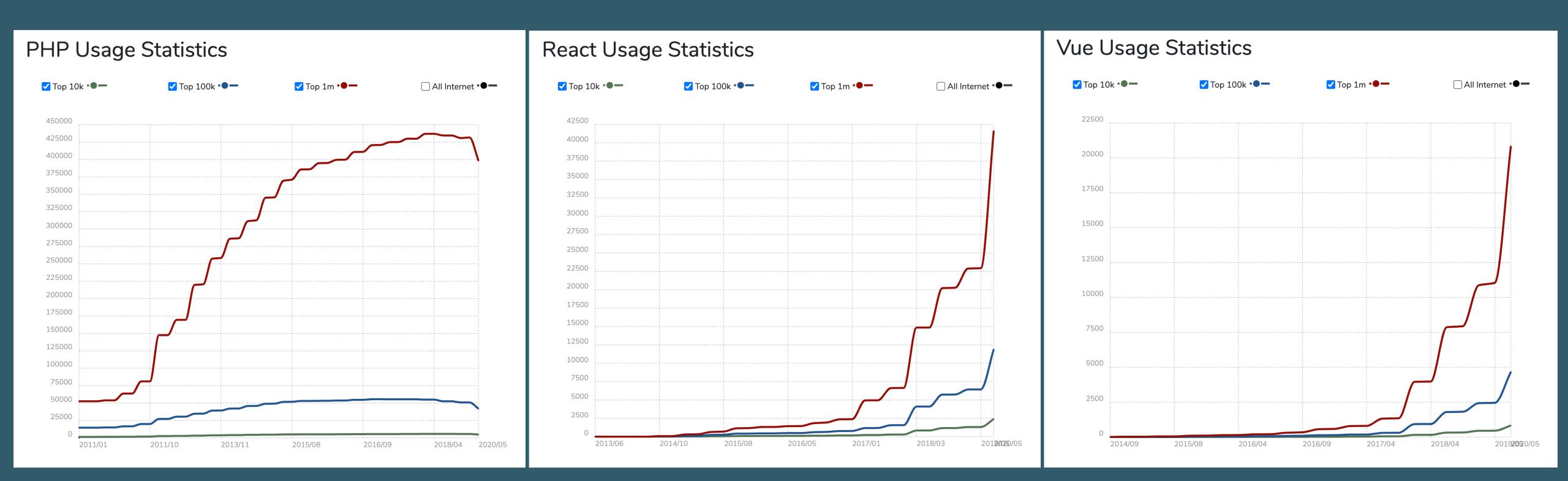
otal Live	1,066,768
956,500 additional webs	site redirects [?] .
USA Live Sites	652,132
ve and Historical	2,157,638
p 1m	6.81% 68,088
op 100k	16.5% 16,505
op 10k	30.95% 3,095
United States	652,132
Russia	35,763
United Kingdom	33,659
Germany	32,639
Ukraine	30,052
Australia	22,740

ript fast

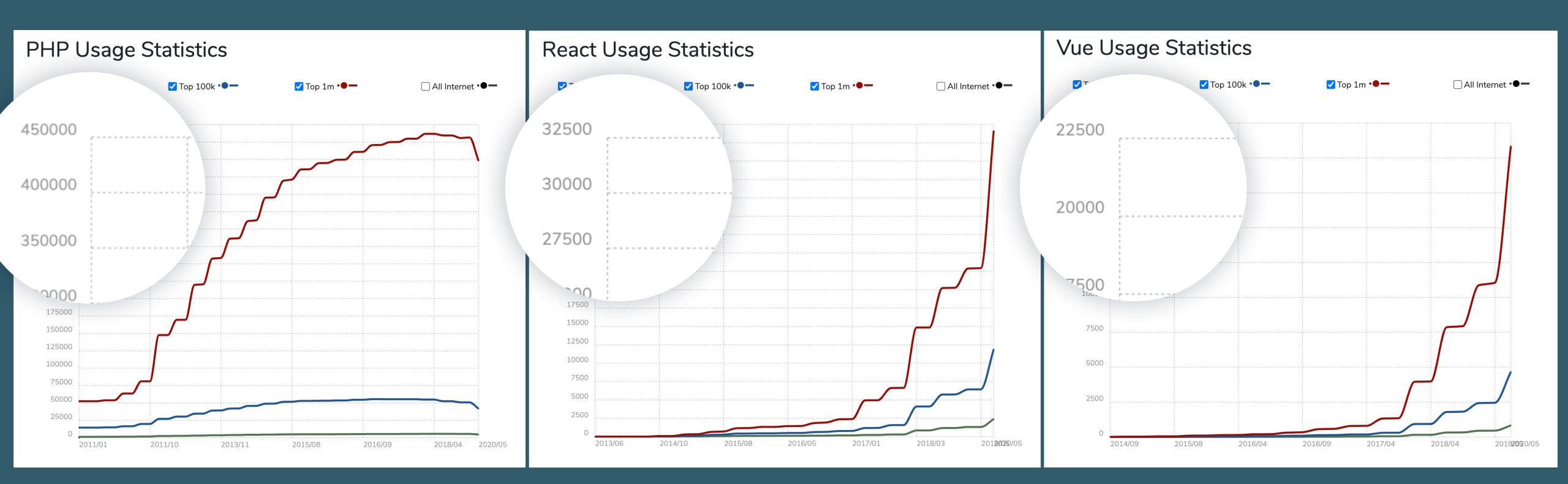
Vue Usage Statistics



Usage of PHP vs React vs Vue



Usage of PHP vs React vs Vue



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

from a

Content repository



Integration framework

Structured data engine

Content repository



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

from a

Content repository



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 Things we already started

Automated updates

New front end theme

Easy out-of-the-box

Drupal 10 readiness



Things existing users are asking us to do

API documentation

Hooks to events

More modules in core

Modernize JavaScript

Component-based theme

Automated updates \bigstar

Easier page building

Modern admin UI 🔶

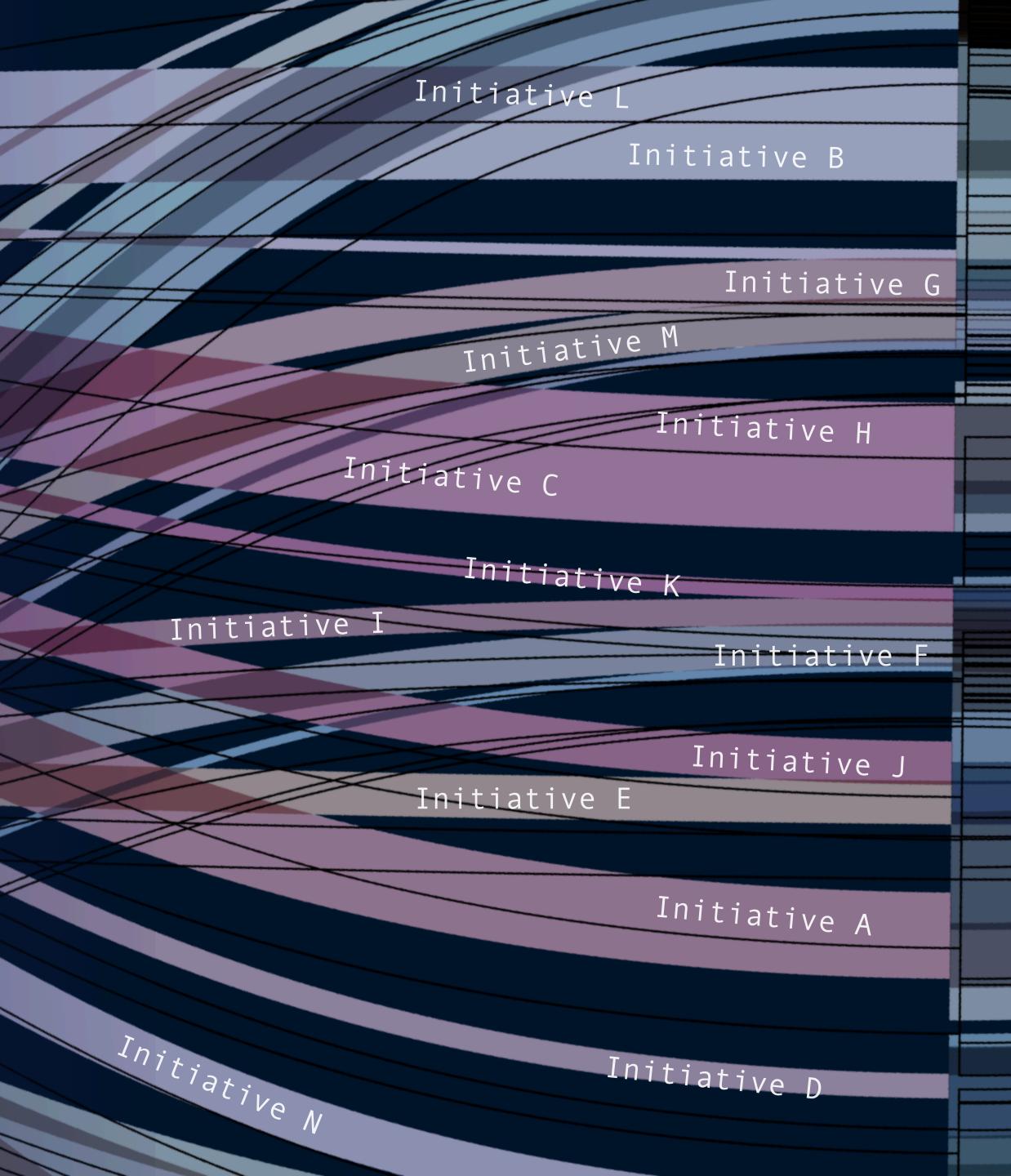
Things we must do to attract new users and stay relevant

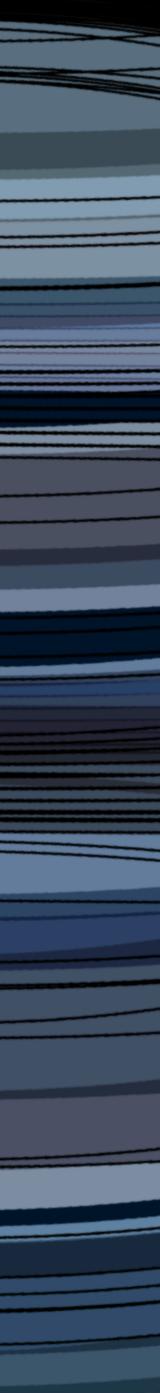
JavaScript

Web services



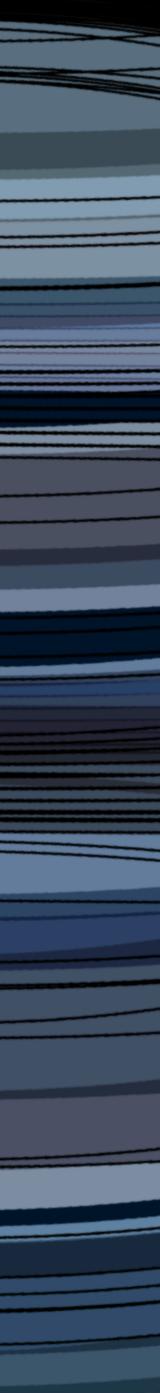
Step 2 Select five initiatives for Drupal 10





Step 2 Select five initiatives for Drupal 10





Initiatives to consider

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Things we must do to attract new users and stay relevant

JavaScript

Web services



JavaScript

Web services

Things existing	API documentation	Compo
	Hooks to events	Automa
users are asking us	More modules in core	Easie
to do	Modernize JavaScript	Mod

Things we already started Automated updates New front end theme Easy out-of-the-box

Things that are mandatory

Drupal 10 readiness

Drupal 10 Initiatives



Initiative 5 ?
Initiative 4 ?
Initiative 3 ?
Initiative 2 ?
Initiative 1 ?

JavaScript

Web services

Things
existing
users are
asking us
to do

API documentation	Compo
Hooks to events	Autom
More modules in core	Easi
Modernize JavaScript	Мос

Things we already started

Automated updates

Things that are mandatory

Drupal 10 Initiatives



Initiative 5 ?

Initiative 4 ?

New front end theme

Easy out-of-the-box

Drupal 10 readiness



JavaScript

Web services

Things existing	API documentation	Compo
	Hooks to events	
users are asking us	More modules in core	Easie
to do	Modernize JavaScript	Mod

Things we already started

Things that are mandatory





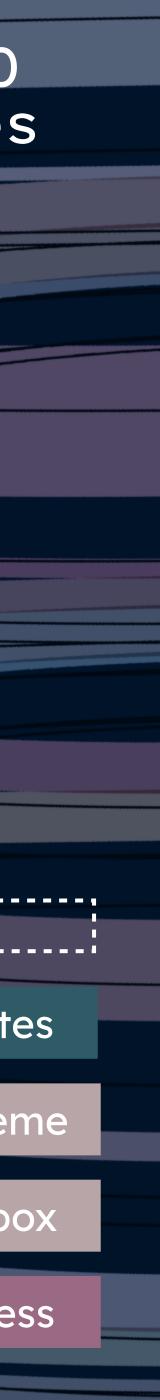
Initiative 5 ?

Automated updates

New front end theme

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)



JavaScript

Web services

Things existing	API documentation	Compo
	Hooks to events	
users are asking us	More modules in core	Easie
to do	Modernize JavaScript	Mod

Things we already started

Things that are mandatory





Initiative 5 ?

Automated updates

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JavaScript

Web services

Things
existing
users are
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to do

Но	oks	to	e	ven	ts	
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API documentation

Modernize JavaScript

Things we already started

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Drupal 10 Initiative

Modern admin L

Initiative 5 ?

Automated updat

New front end the

Easy out-of-the-b

Drupal 10 readine

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

Helped us identify hard problems

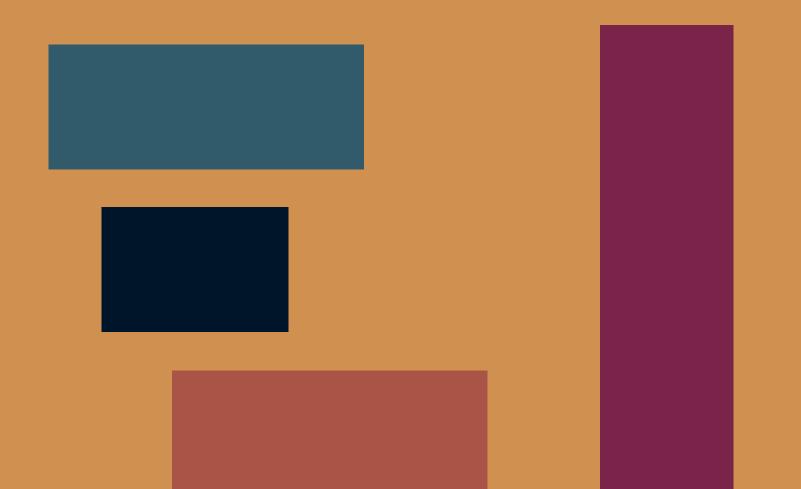
Prototypes

Set

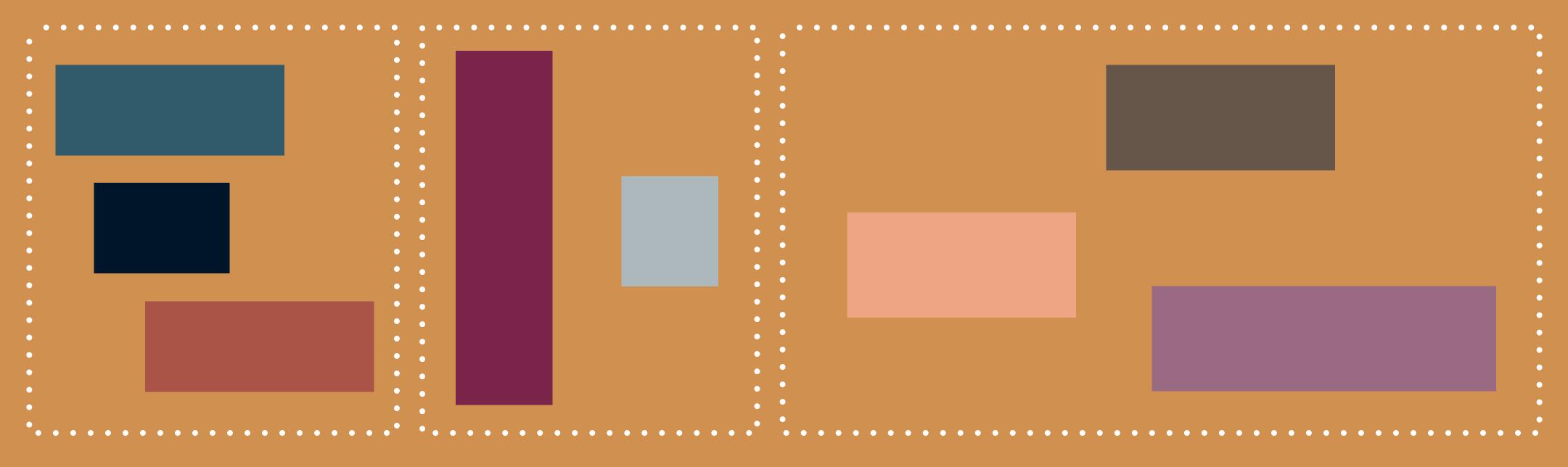
various solutions in motion

Scope was too large

There are so many pieces to modernizing the administration UI



There are so many pieces to modernizing the administration UI



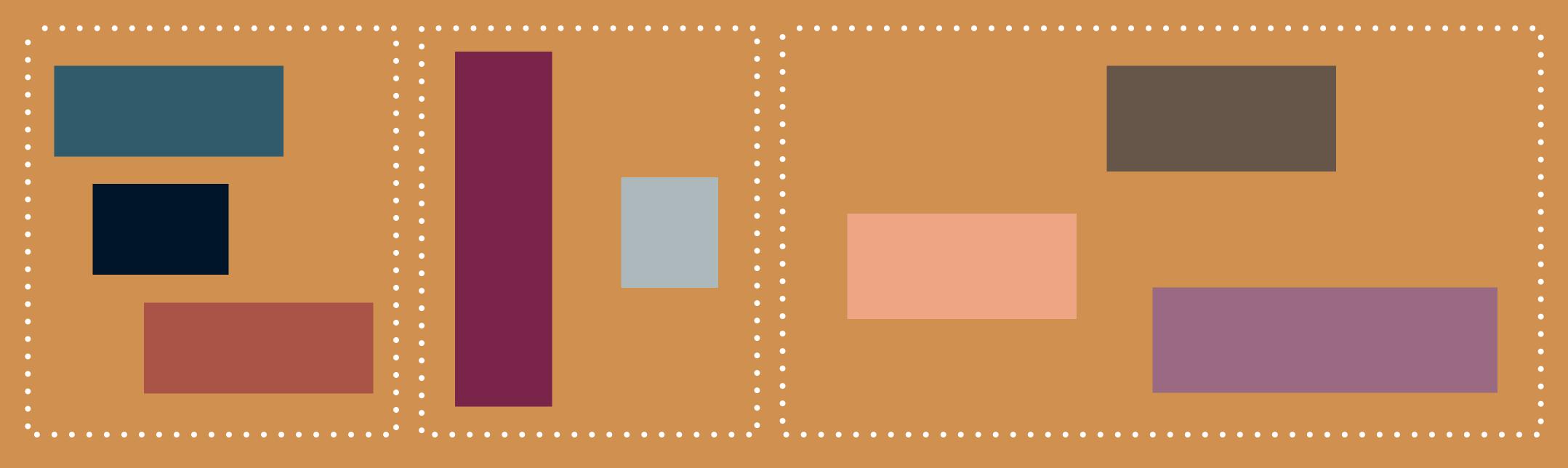
Architectural changes

Add web service APIs

Redesign admin 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



Architectural changes

Add web service APIs

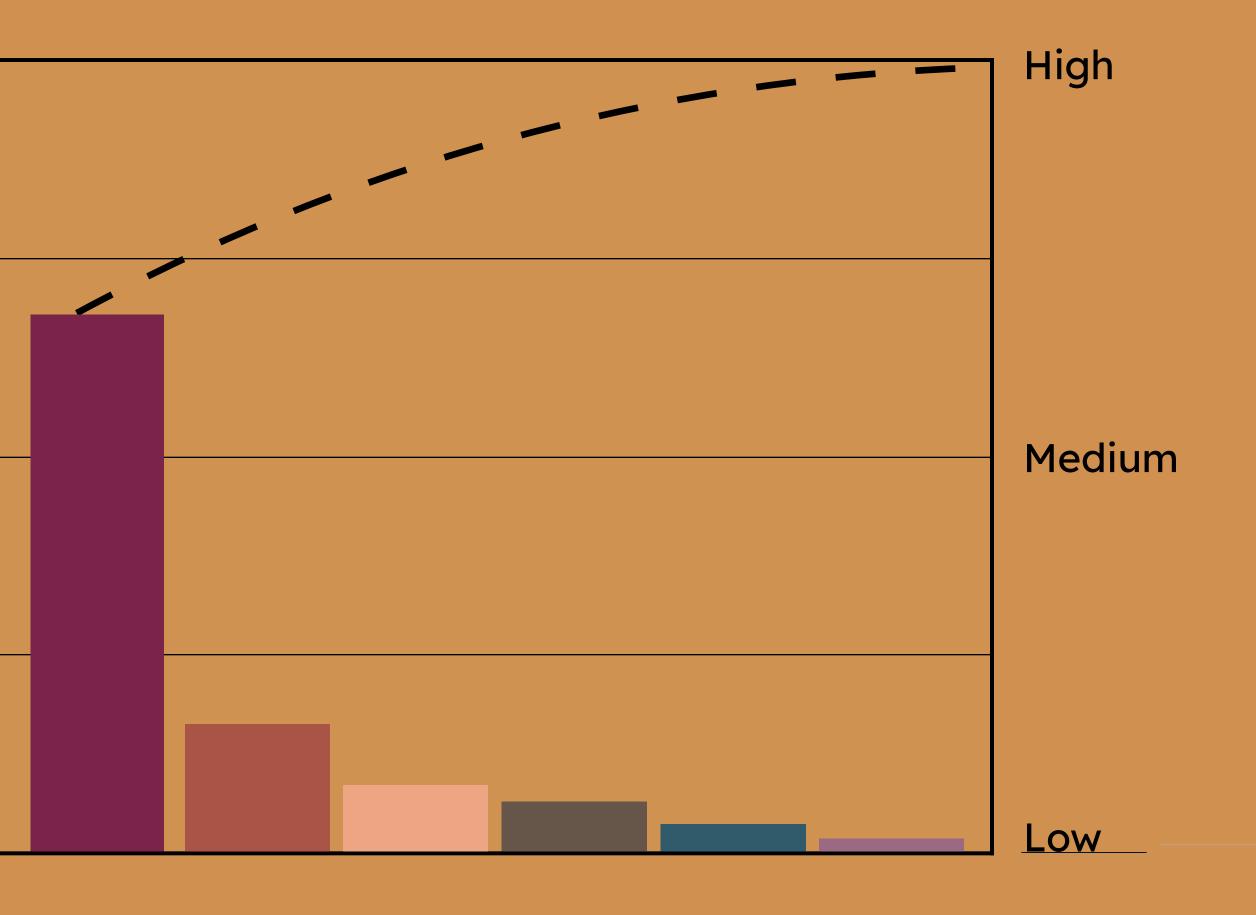
Redesign admin UI

Follow the Pareto principle: Solve the next most impactful problem

75
75
25

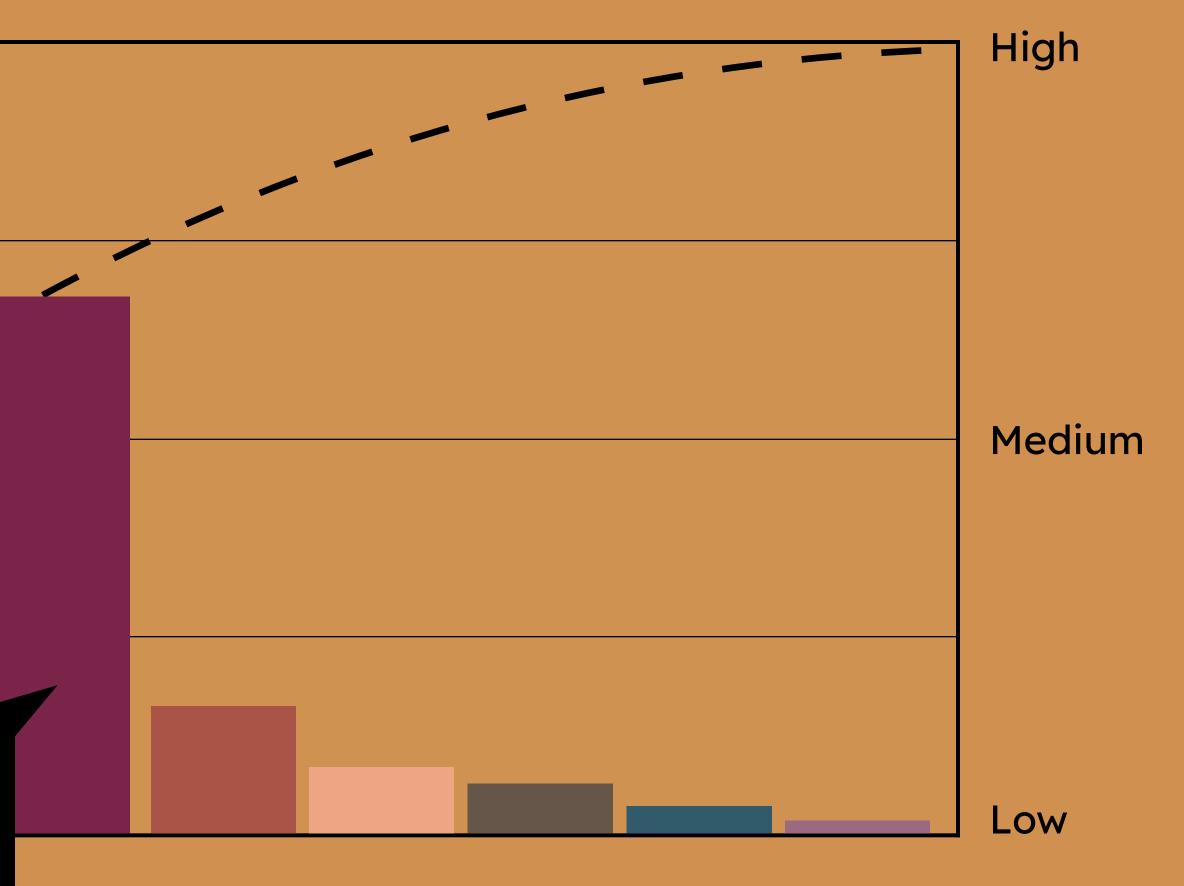
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100



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	TOO	
	75	
Follow		
the Pareto	riority 20	
principle:		
Solve the next most impactful problem	25	
inpuchui problem	23	

Getting content in and out (JSON:API module)

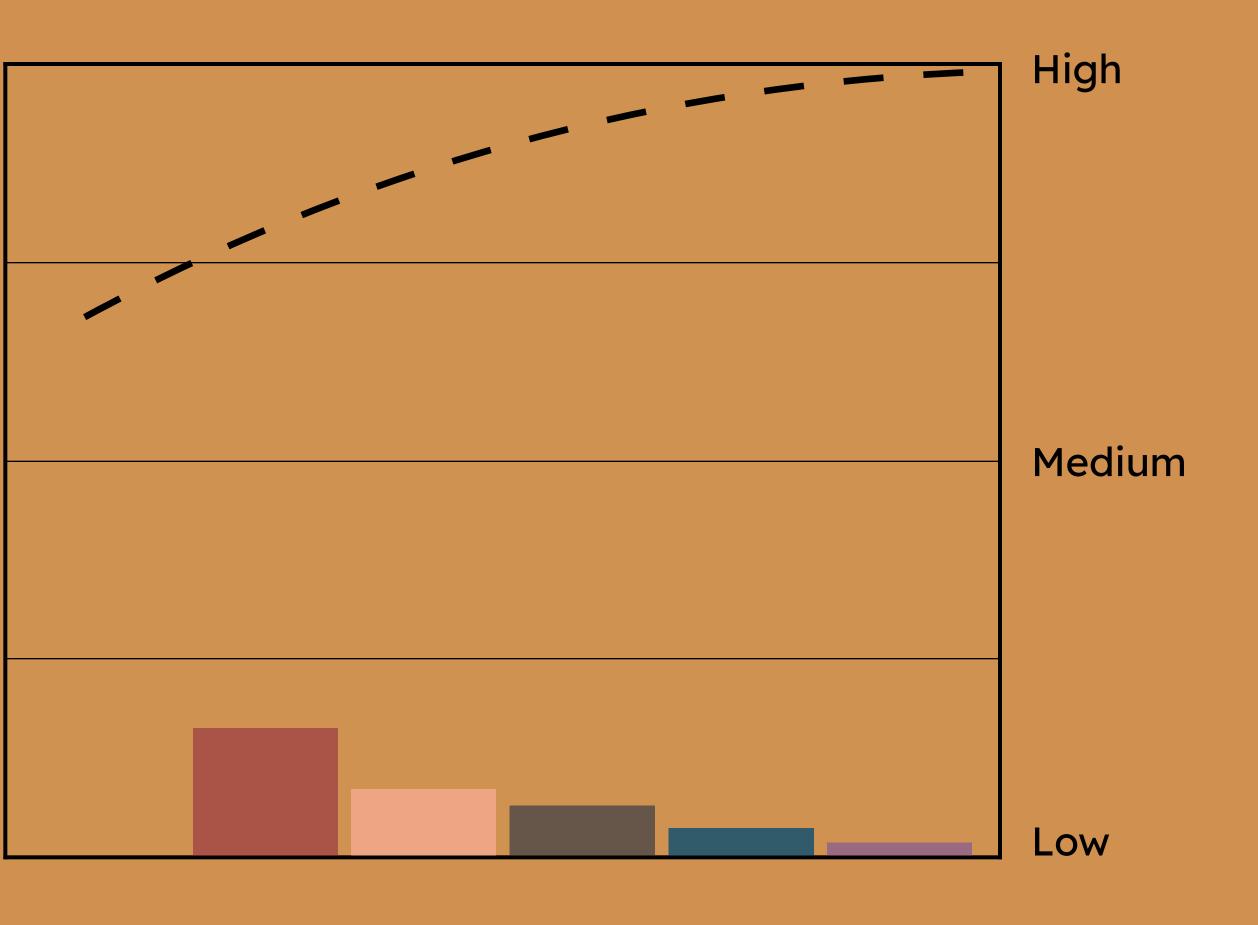


75 Follow Priority the Pareto principle: Solve the next most impactful problem

50 25

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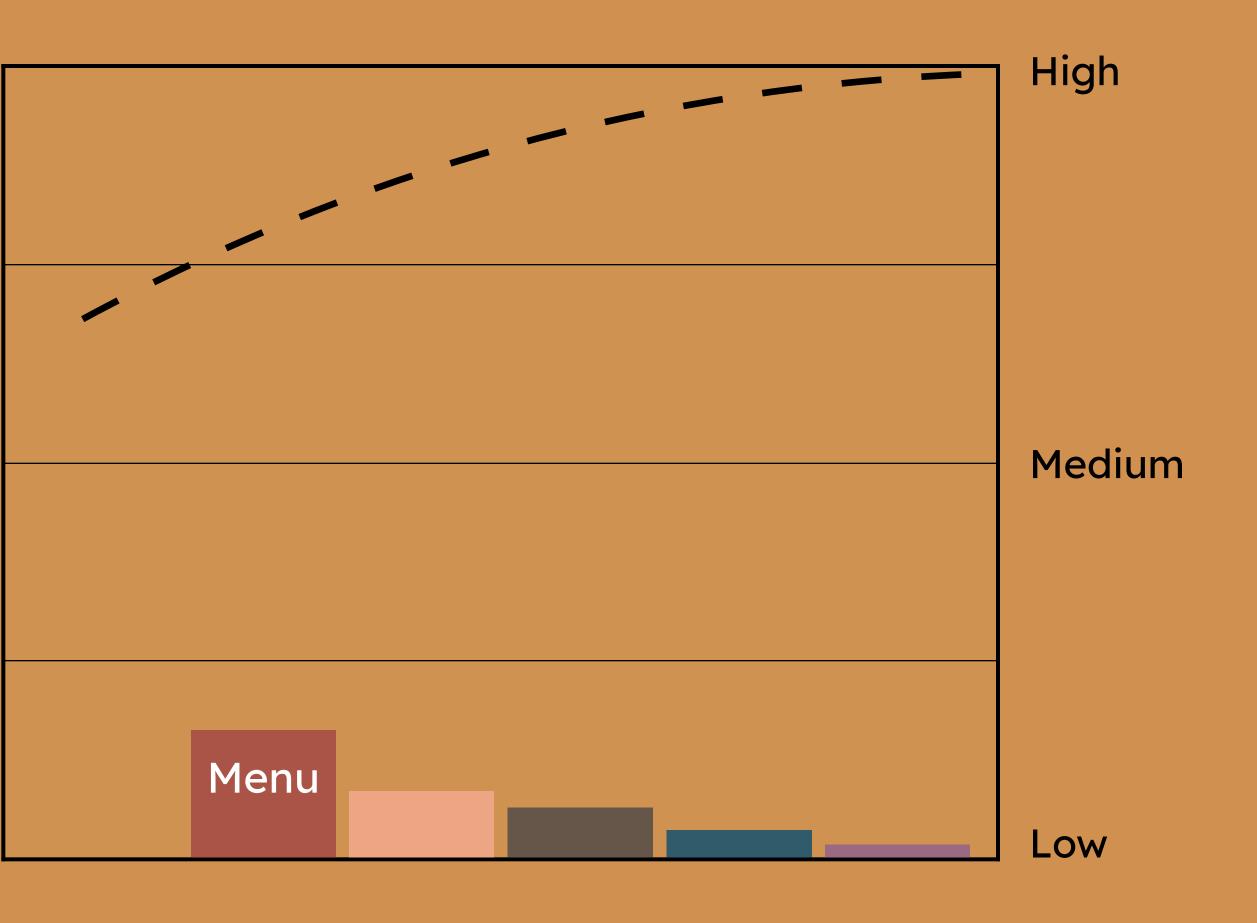


75 Follow Priority the Pareto principle: Solve the next most impactful problem

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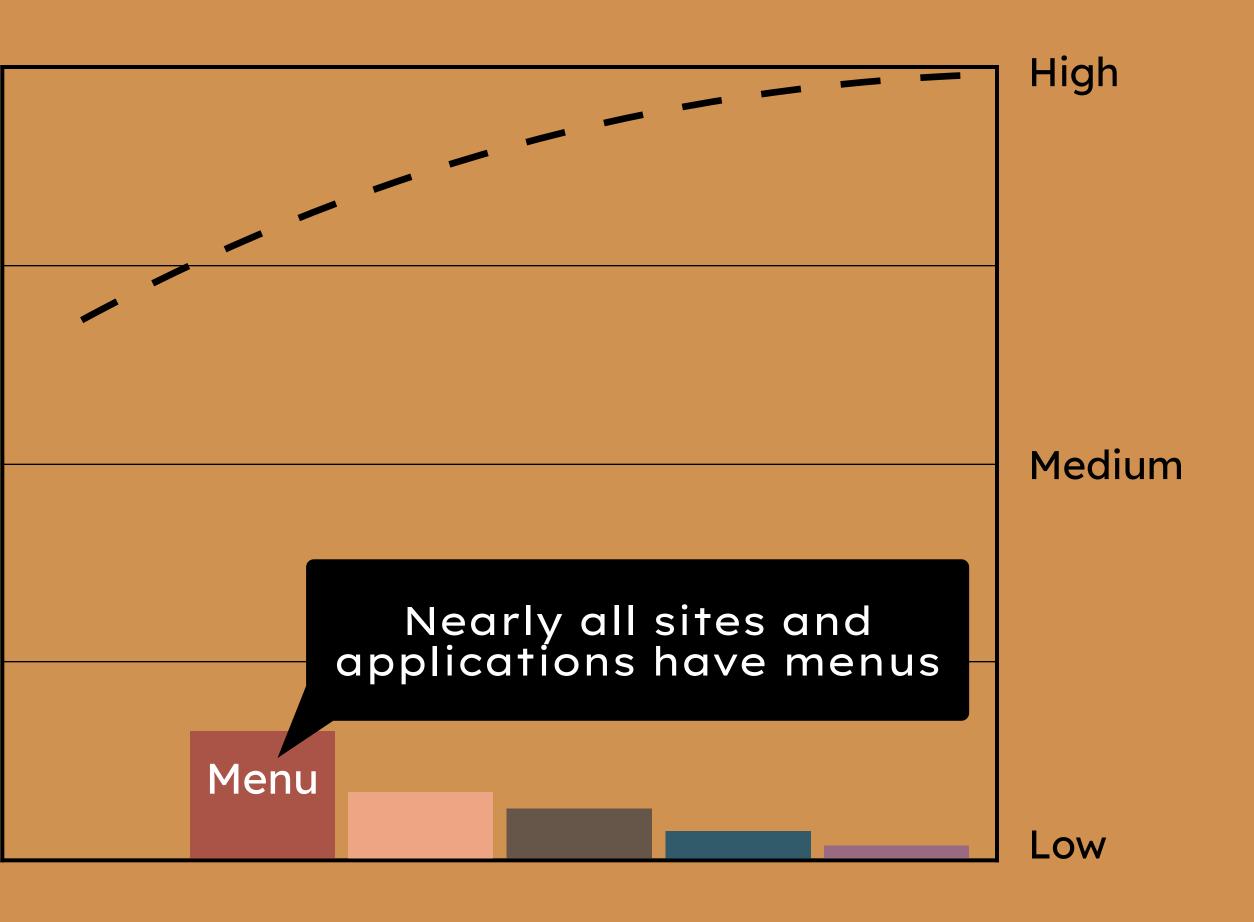
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75 Follow Priority the Pareto principle: Solve the next most impactful problem

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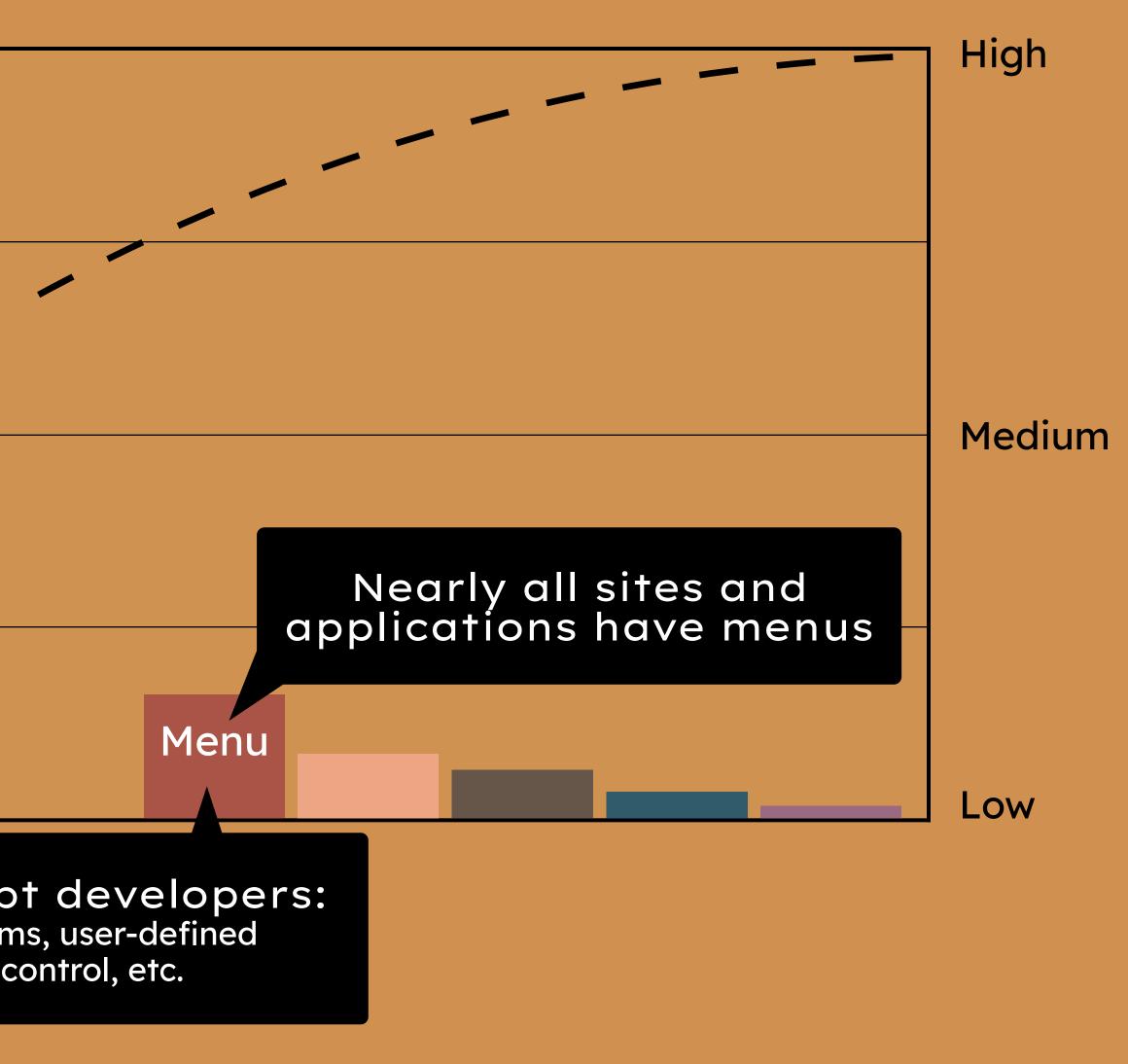
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Follow the Pareto principle: Solve the next most impactful problem 25

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

100



Menus in a headless application are often hard-coded



Arjun Client

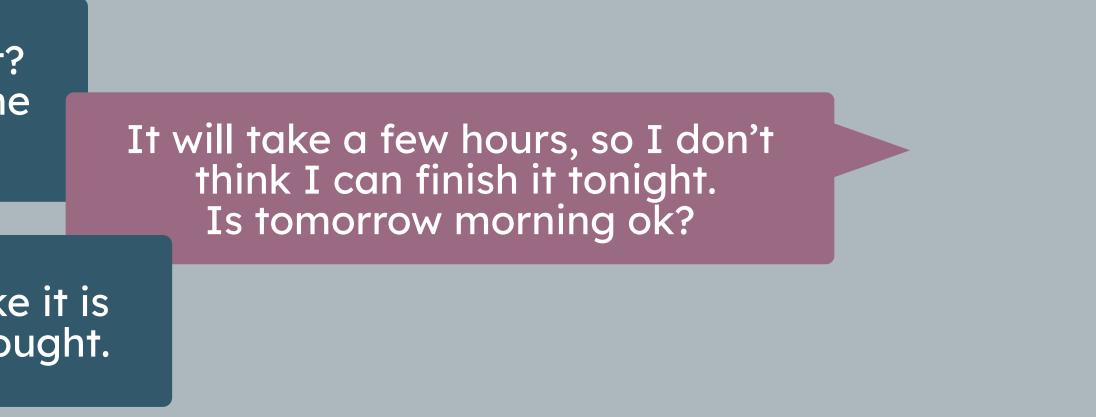
Hey Maia. Our CEO just asked us to change the "Staff" menu item to say "Our team". Could you do that for us?

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

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

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?

Maia Developer



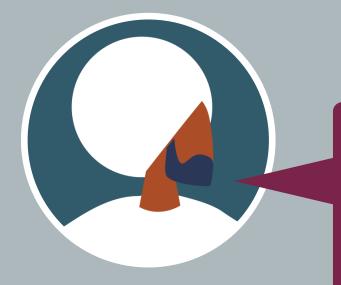
```
git pull
cd proj-react
npm update
vim src/components/page-menu.jsx
npm build
git add .
git commit -m "Update the menu… again 🔊"
git push
```

"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?

Maia Developer

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!

Now, Arjun is empowered to make edits...

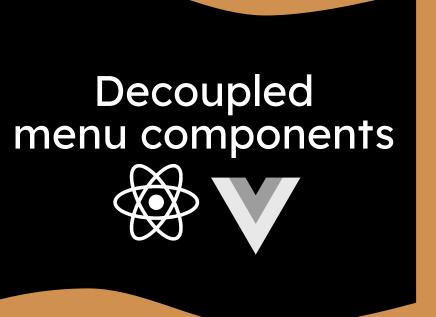






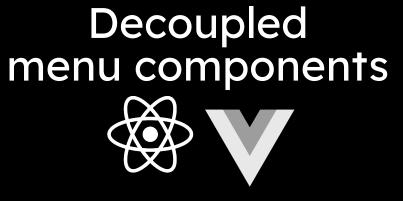
Mission

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



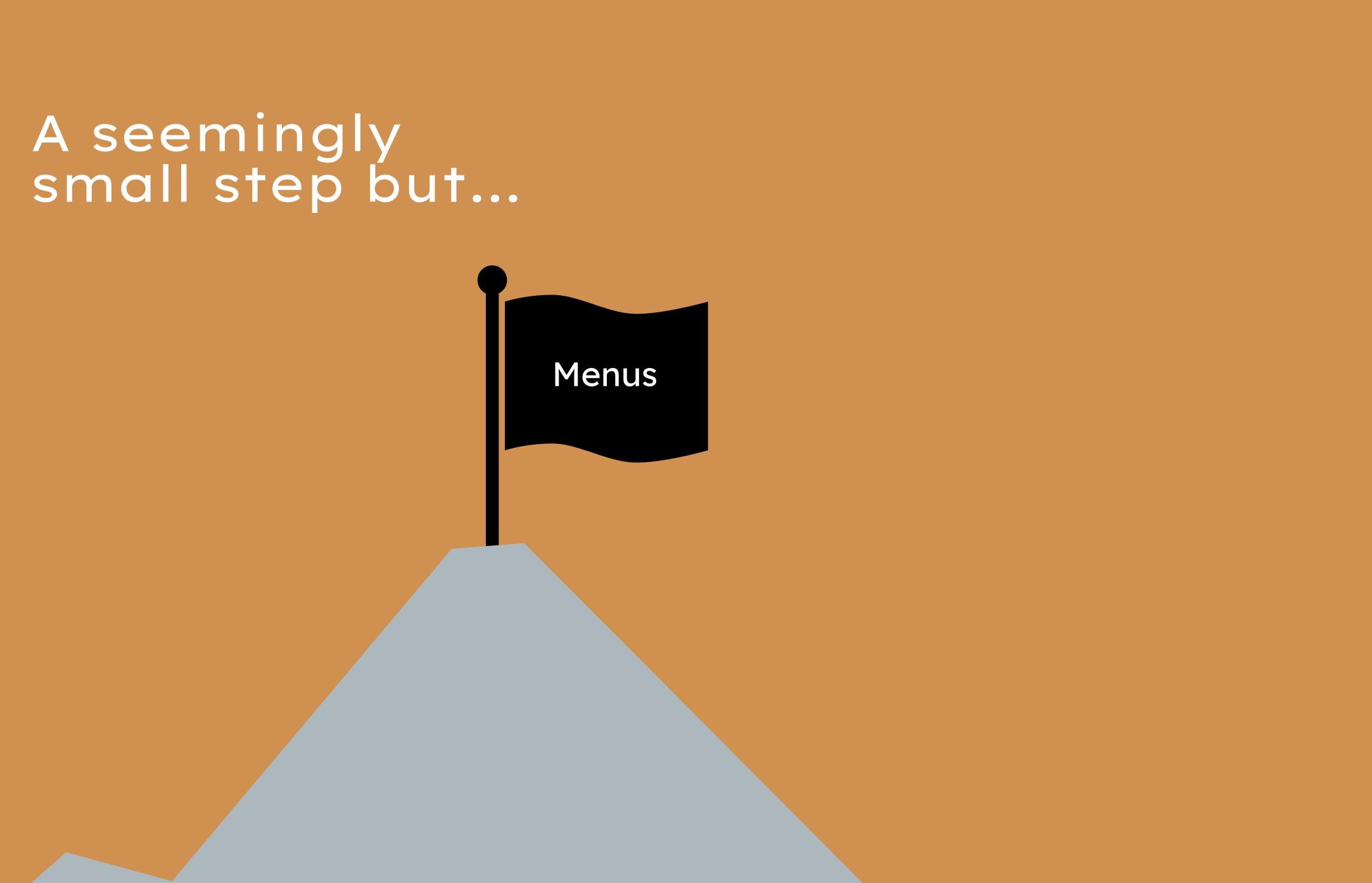
Mission

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
- \checkmark The developer experience is better than Contentful's
- ✓ We maintain the current Twig templates for traditional sites



Menu web service API Module-defined menu items User-defined menu items Menu hierarchies

Path aliases Routing



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

...and we have lots to figure out.

Module-defined menu items User-defined menu items Menu hierarchies

Path aliases Routing

Testing

Documentation for components

Create npm package

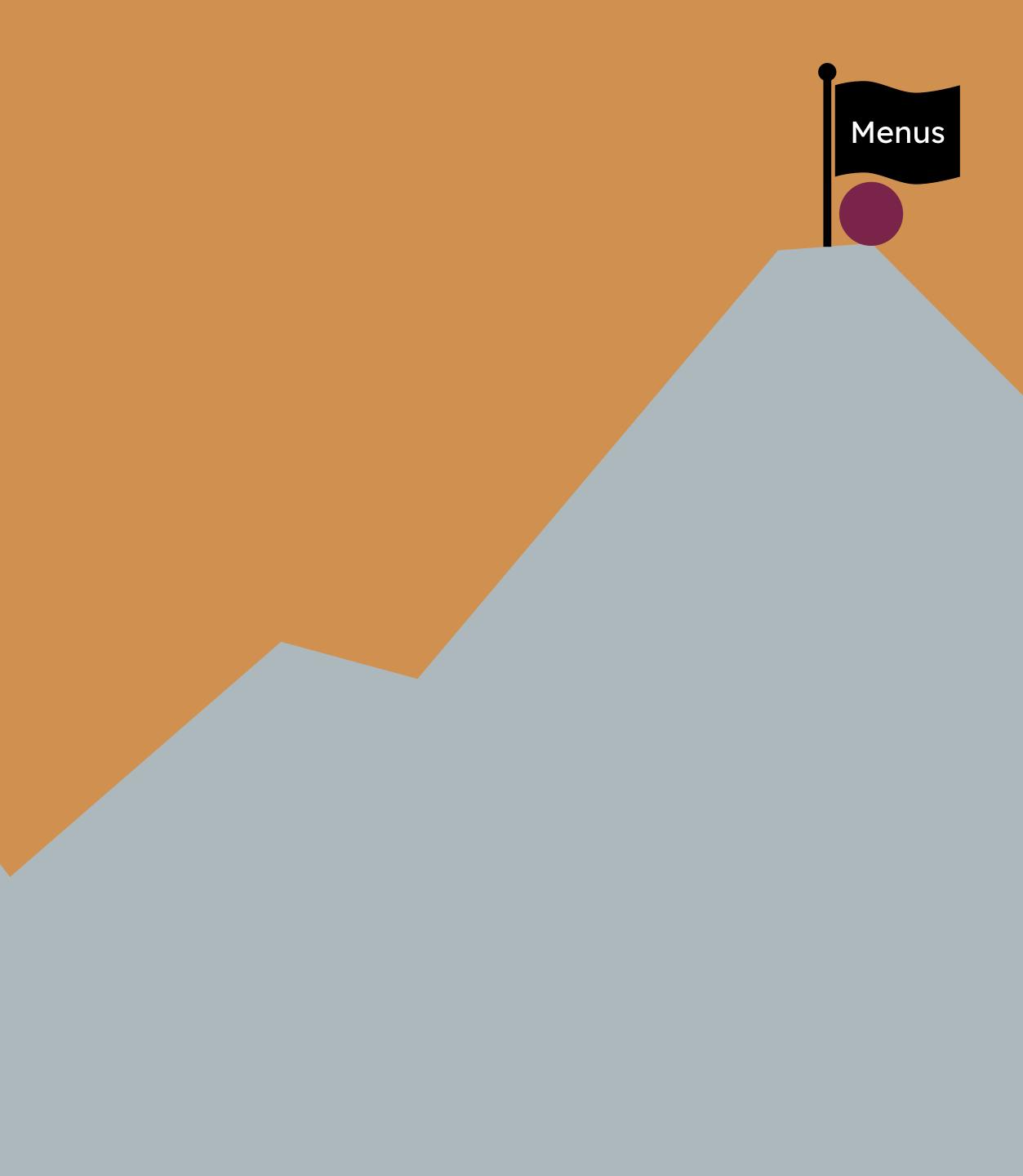
Releasing to npm

Security management

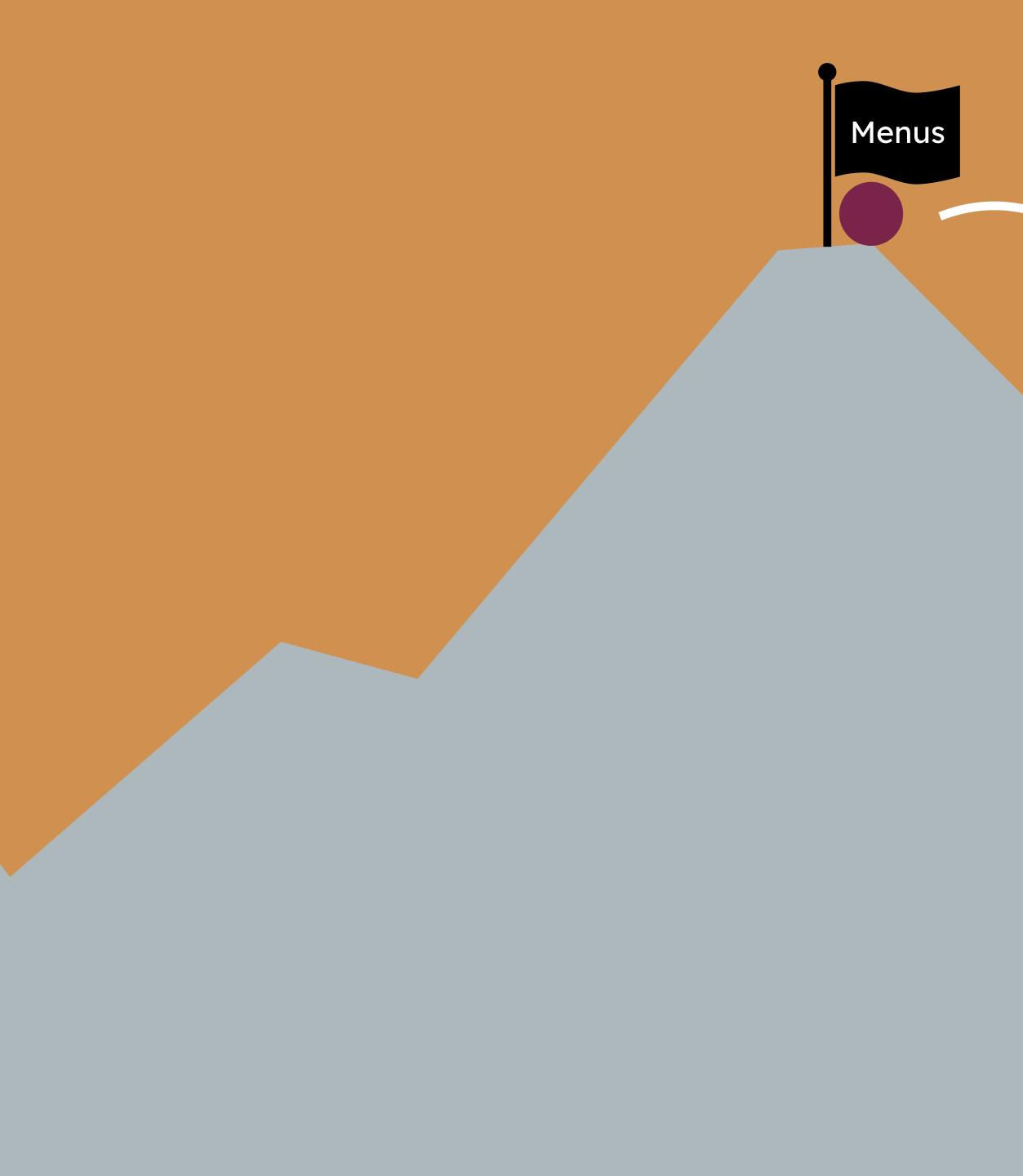
Menus

- Menu web service API



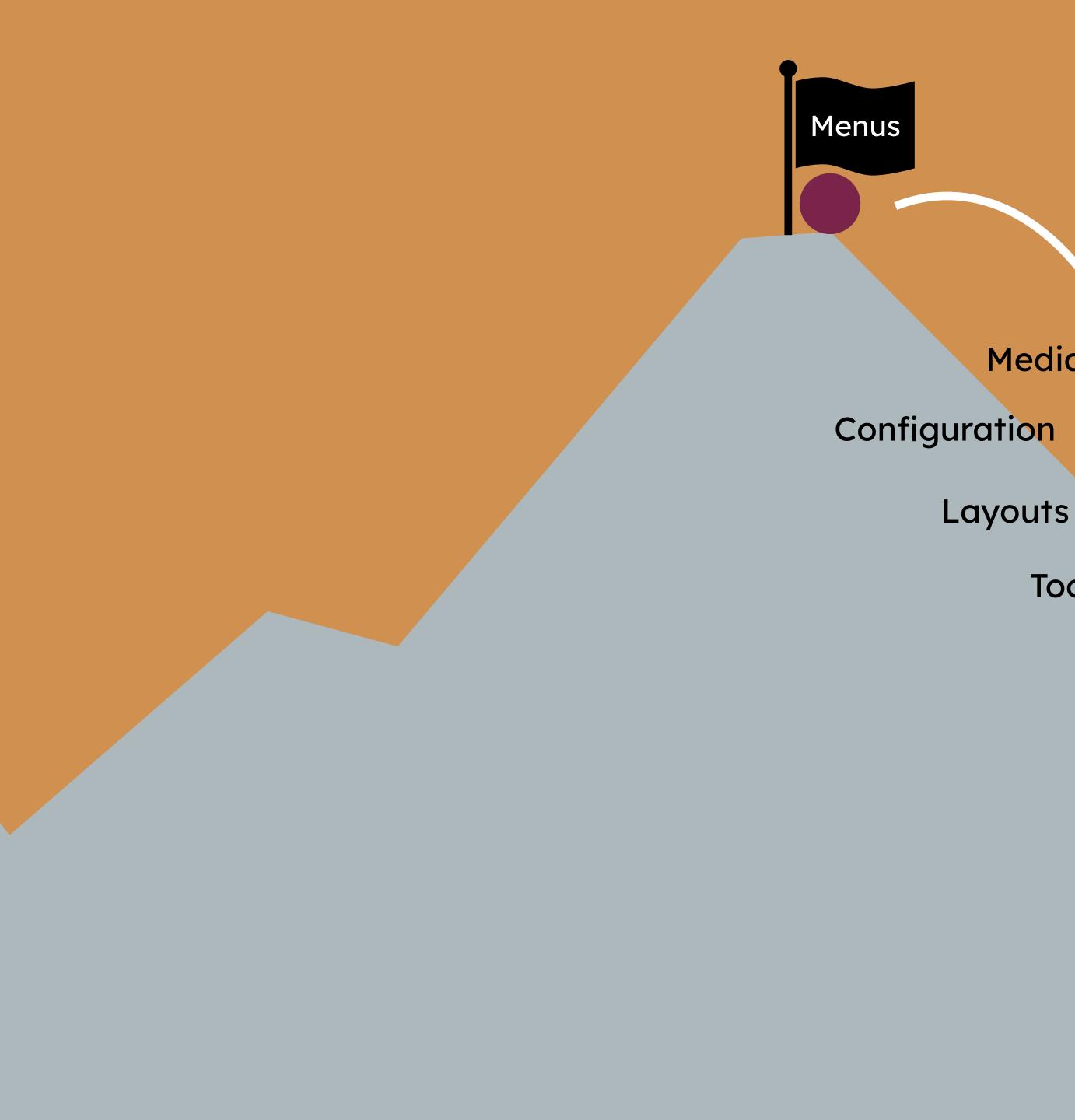


It will set a lot in motion!



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





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

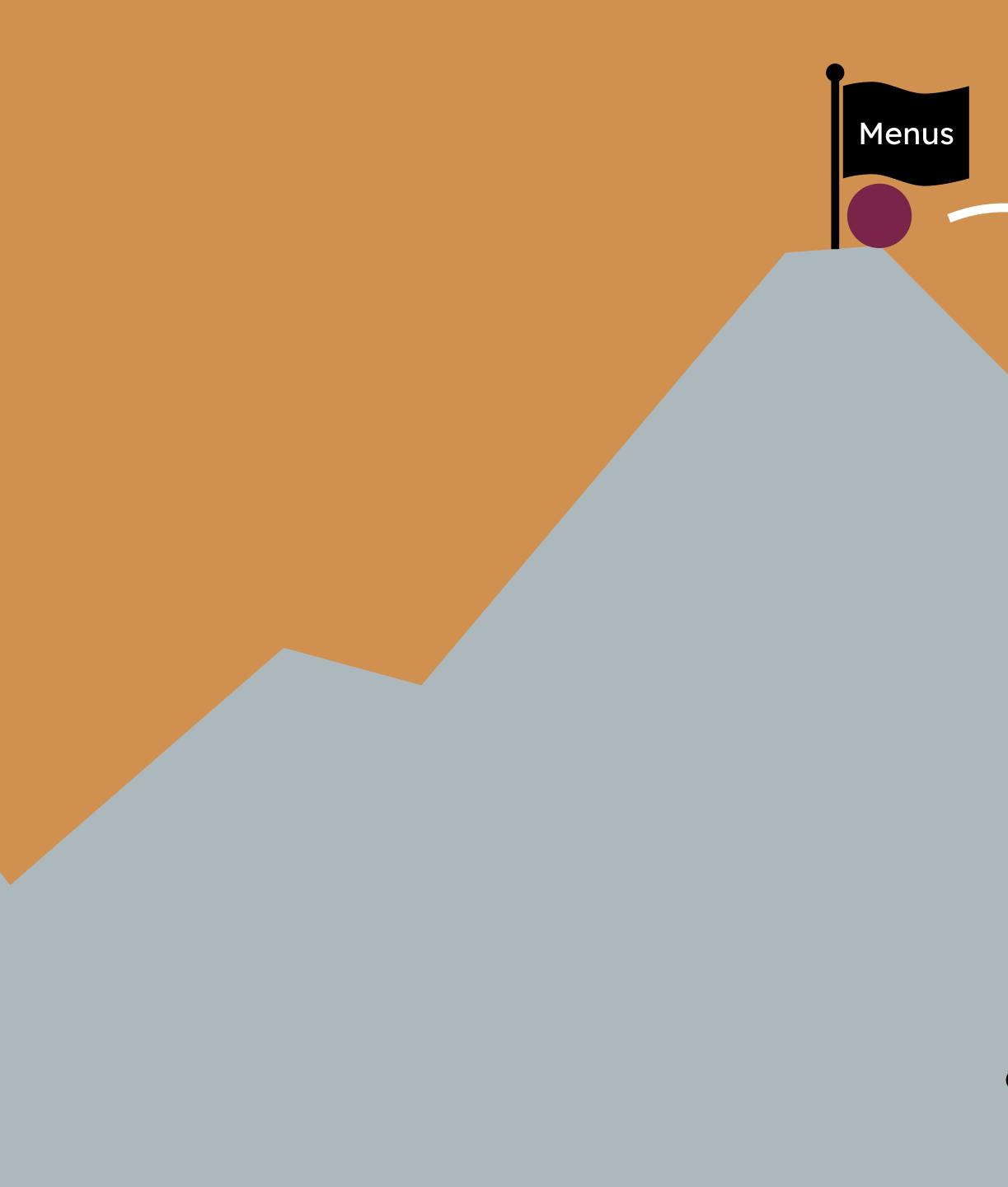
Shopping cart

Carousel

Toolbar

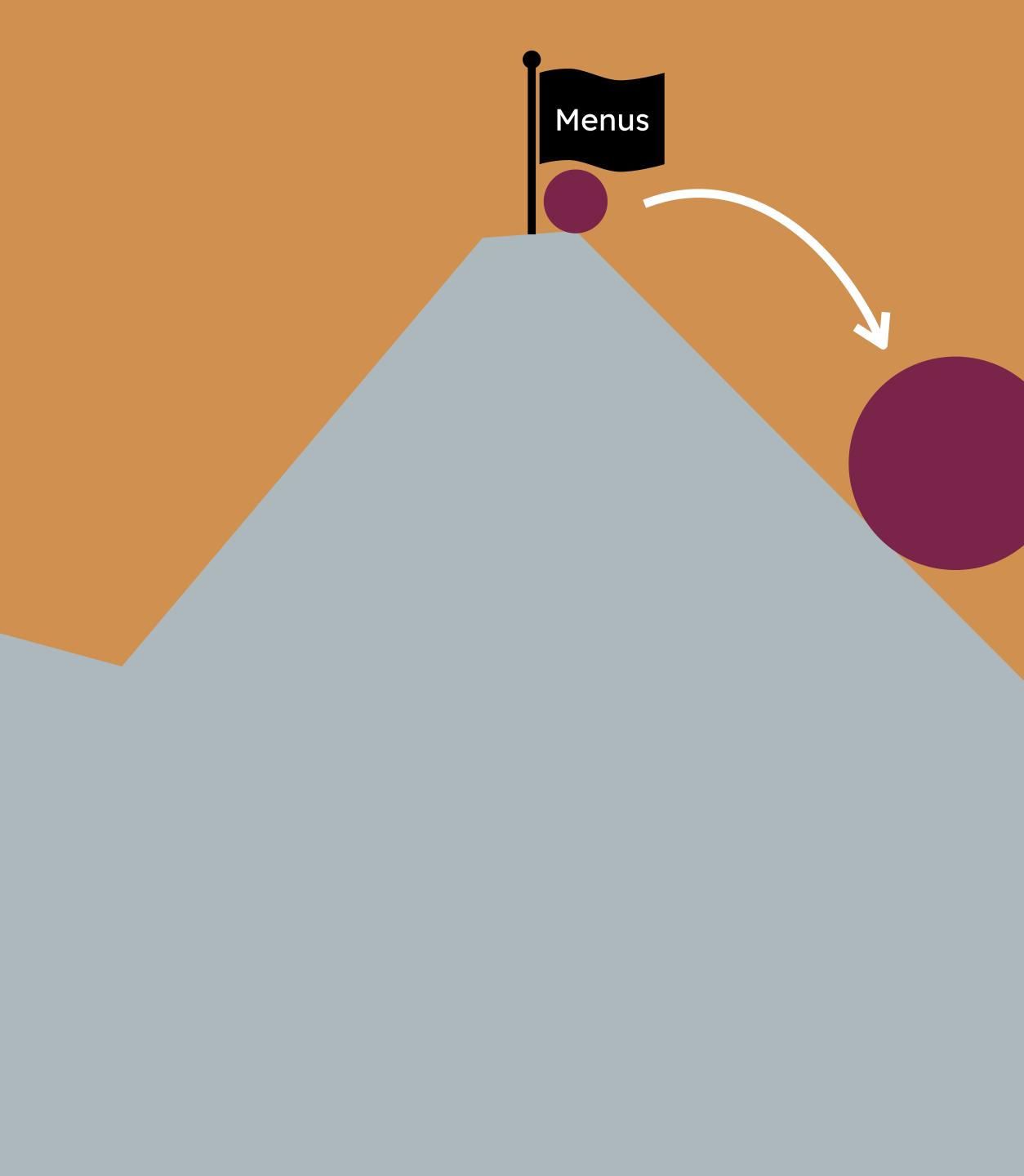
Views





2 Use these components to start improving the admin UI

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



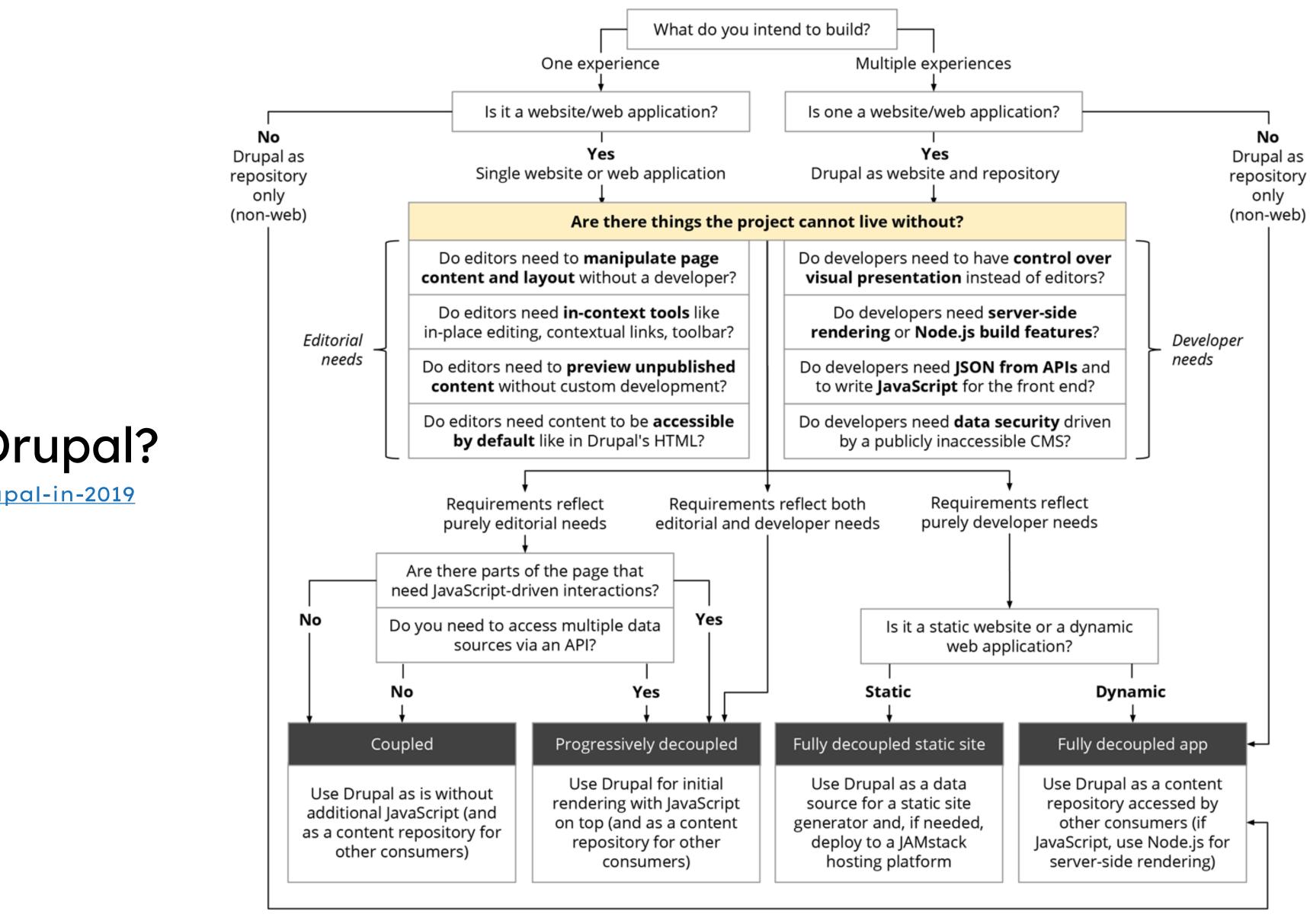
3 Be the best decoupled CMS



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

3 Be the best decoupled CMS

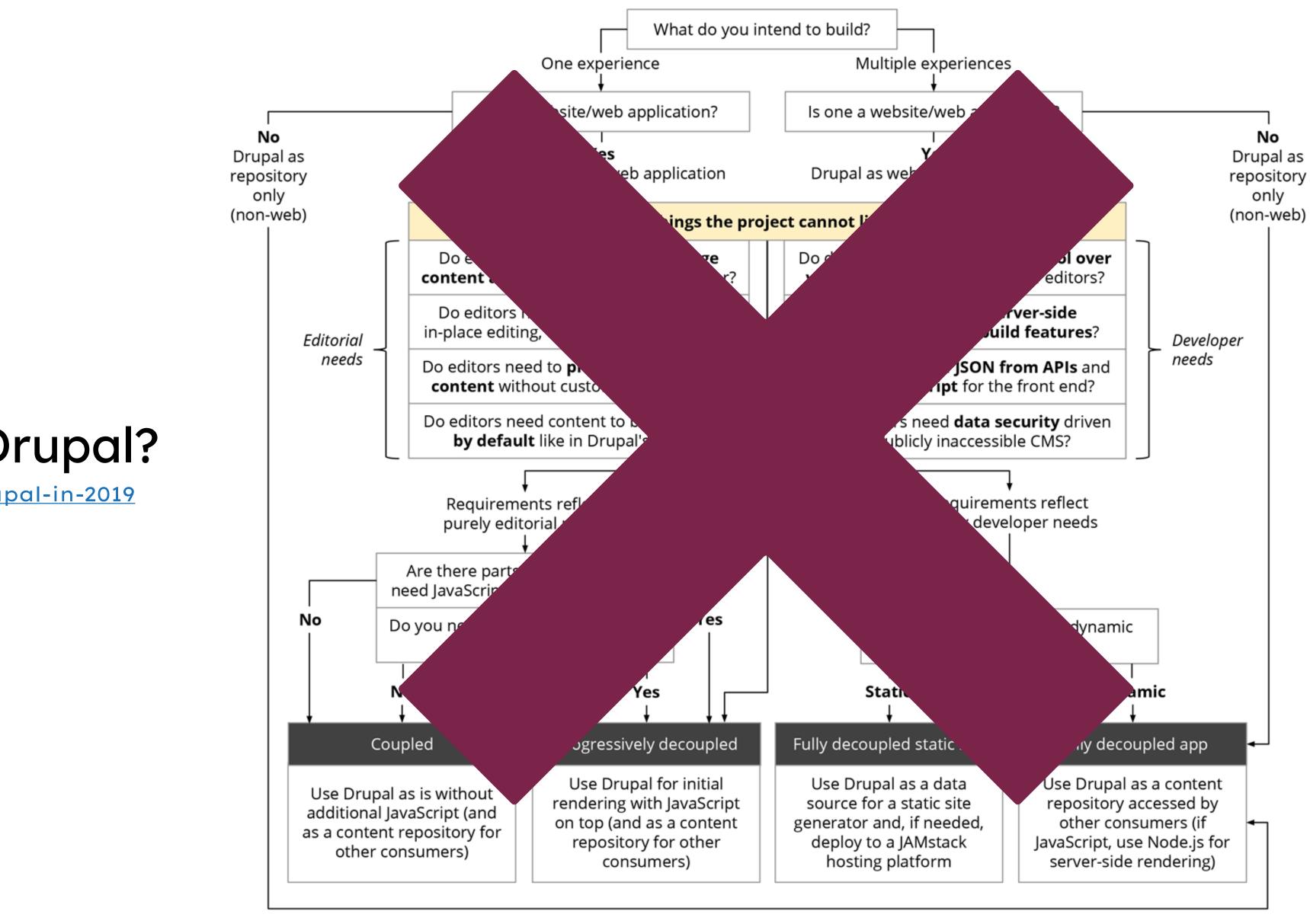
Avoid having to trade-off one persona's experience for another persona's



How to decouple Drupal?

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

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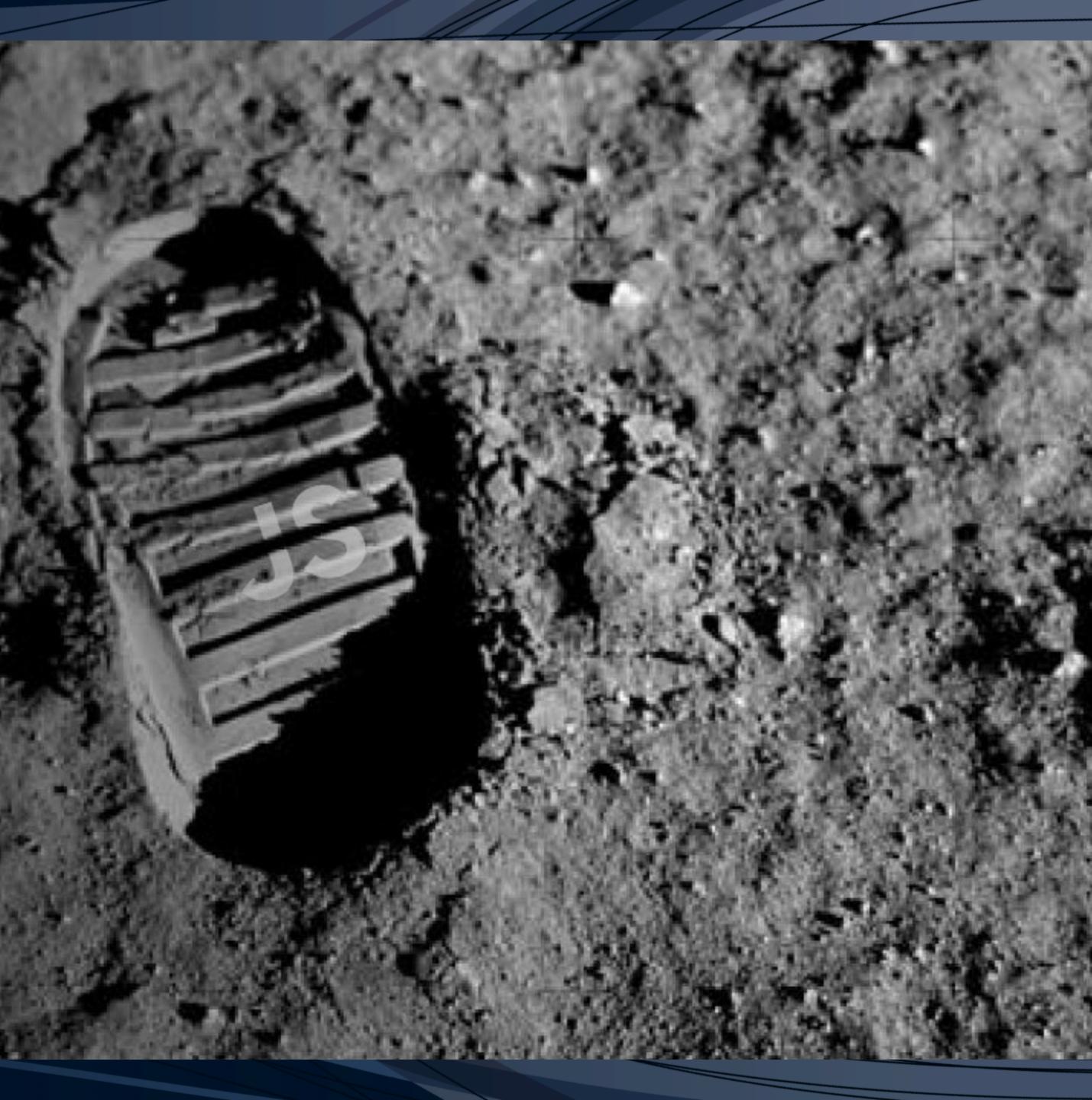


How to decouple Drupal?

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

y)

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



JavaScript

Web services

Things
existing
users are
asking us
to do

Но	oks	to	e	ven	ts	
More	mod	ule	S	in	core	

API documentation

Modernize JavaScript

Things we already started

Things that are mandatory

Component-based theme

Easier page building

Drupal 10 Initiative

Modern admin L

Initiative 5 ?

Automated updat

New front end the

Easy out-of-the-b

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Web services

Things existing	API documentation	Compo
	Hooks to events	
users are asking us	More modules in core	Easie
to do	Modernize JavaScript	Mod

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Drupal 10 Initiative



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Things we already started

Things that are mandatory

Drupal 10 Initiatives



JS menu component

Automated updates

New front end theme

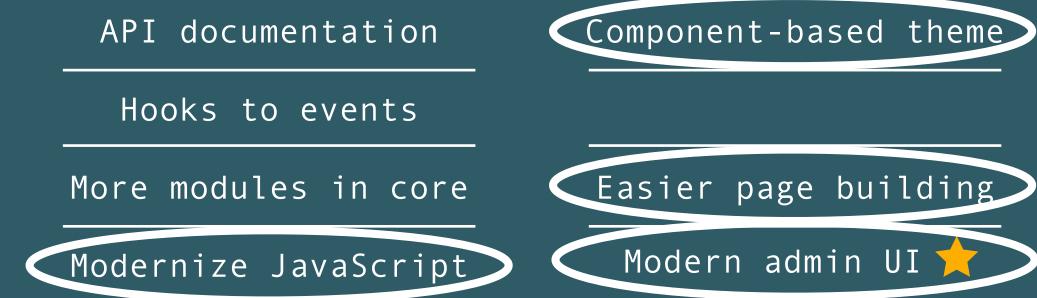
Easy out-of-the-box

Drupal 10 readiness



JavaScript Web services

Things existing users are asking us to do



Things we already started

Things that are mandatory

Drupal 10 Initiative

Allows some prog on other import initiatives

JS menu compon

Automated updat

New front end the

Easy out-of-the-b

Drupal 10 readine

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Proposed Drupal 10 Initiatives

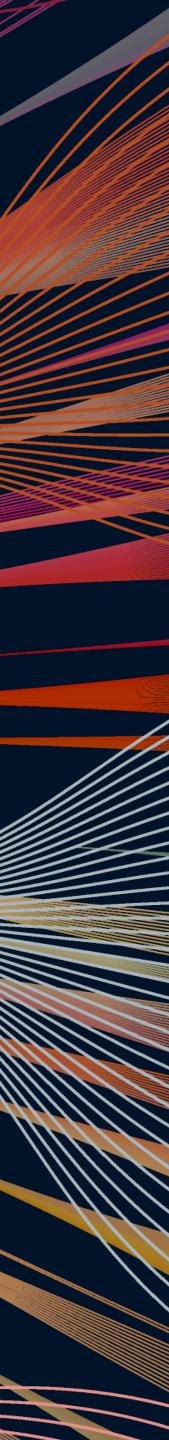
New front end theme

JS menu component

Automated updates

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

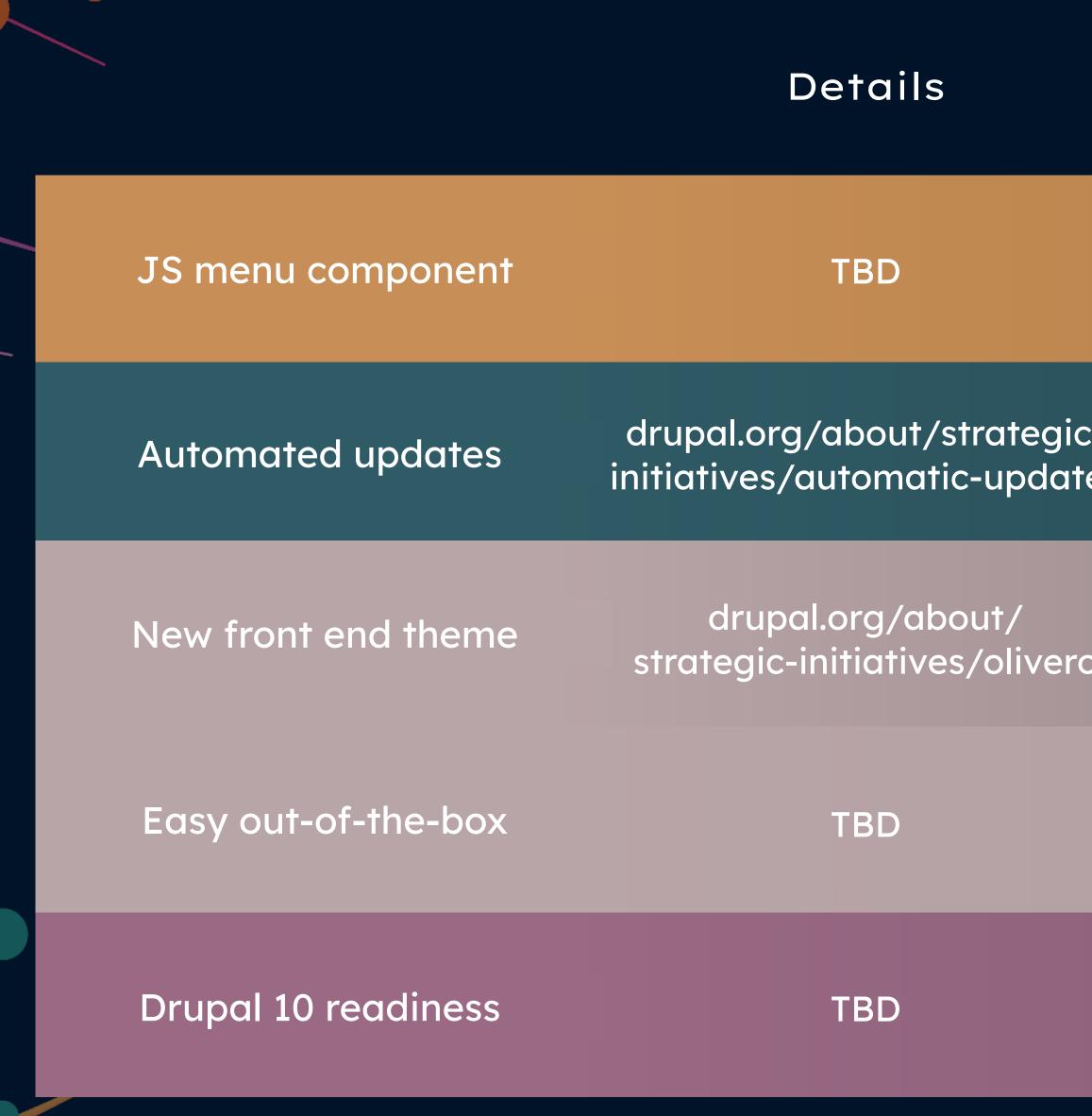
Easy out-of-the-box

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! :)





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

Initiative Leads



	TBD	TBD
c- tes	TBD	TBD
Ö	mherchel, proeung, jwitkowski79, jponch, katannshaw, mtift	Lullabot
	TBD	TBD
	Gábor Hojtsy, xjm, catch	Acquia, Third & Grove, and others



If you are excited about this, please get involved!

4.0





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!





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

