

Static sites === great
performance



NUXTJS



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Debbie O'Brien

Get rid of the LAMP,
Get rid of the MEAN,
Let the JAM take over



What I will Cover

The new frontend

Static v's Dynamic

Case Study

Performance Tips

Useful Links

What has changed

Everything is pre-rendered at build time

No Execution at request time

Functionality client-side

It's all about the api's

Search Functionalities

Payments

Authentication

and so much more...



What we gain

Improves security

Improves performance

Better developer experience

Easy deployment

Definition of Static

Lacking in movement, action, or change,
especially in an undesirable or uninteresting way



TaeKwonDo

Static



Dynamic



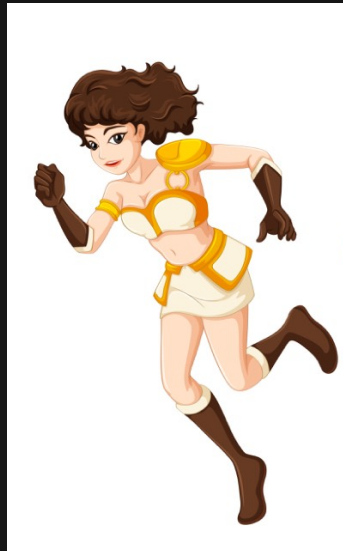
TaeKwonDo



Static is the new Dynamic

Static site > cdn > user

No Server needed



Static Site Generators

Nuxt, VuePress, Gridsome,
Next, Gatsby,
snapper.js,
Eleven.ty,
jekyll,
hugo

TaeKwonDo and Static Sites



Push and deploy

Increase confidence

Staging same as production

Deploy anywhere, anytime

Web hooks on content change

That's a lot of Generation

with Static Sites



Going Nuxt

Nuxt is not just a static site generator

Nuxt is a progressive Vue.js Framework



Benefits of Nuxt

"file-based" routing

Automatic Code splitting of routes

Prefetching

more than 50 modules

SSR, SPA or Static

SSR: `mode: 'universal',`

SPA: `mode: 'spa',`

Static Site: `nuxt generate`



Case Study

patterson.travel

BUILT WITH 

Events: the finishing touches are our speciality

“Do not go where the path may lead, go instead where there is no path and leave a trail”.

Ralph Waldo Emerson, American essayist, lecturer, philosopher, and poet.

for your business

Services

Corporate

MICE —

Corporate Incentive Travel

Congresses Organisation

Events



Patterson Travel

5 Layouts

32 page components

38 components

8 plugins

9 modules

21 pages of docs

Booking Engine

23 Oct - 25 Oct (2 Nights) > 1 Rooms (1 Adults) [Modify Search](#)

1 x Solo reserva hotel +

Total 0.00€

Book now >

Dates

23-10-2019 25-10-2019

October

Sun	Mon	Tue	Wed	Thur	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November

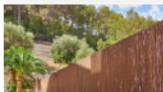
Sun	Mon	Tue	Wed	Thur	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

Rooms

- 1 +

Ver disponibilidad >

Sel



Flor Los Almendros Hotel

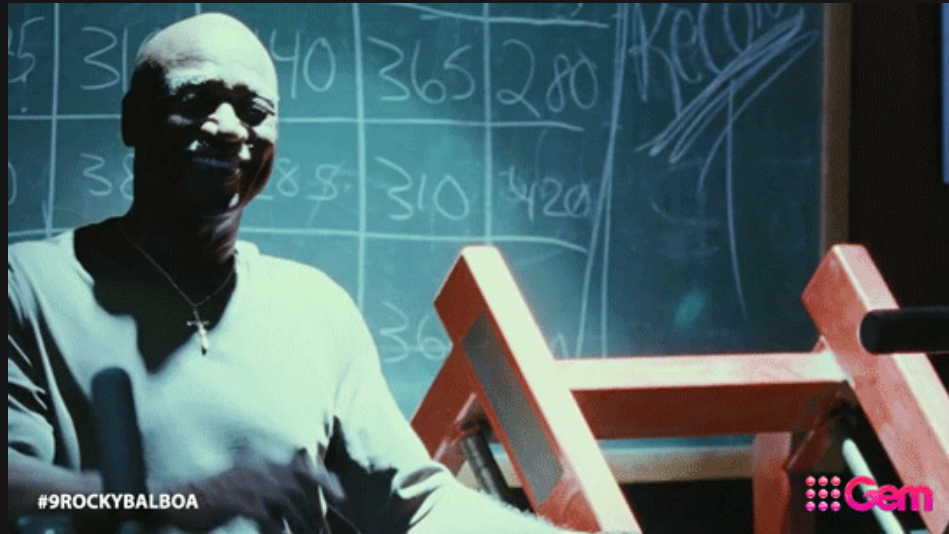
Más información

Desde 50.00€

por persona (Total 100.00€)

Booking Engine === SPA

SPA inside a Static Site



SPA Fallback

```
generate: {  
  fallback: true,  
  exclude: [/booking/]  
}
```


How it works

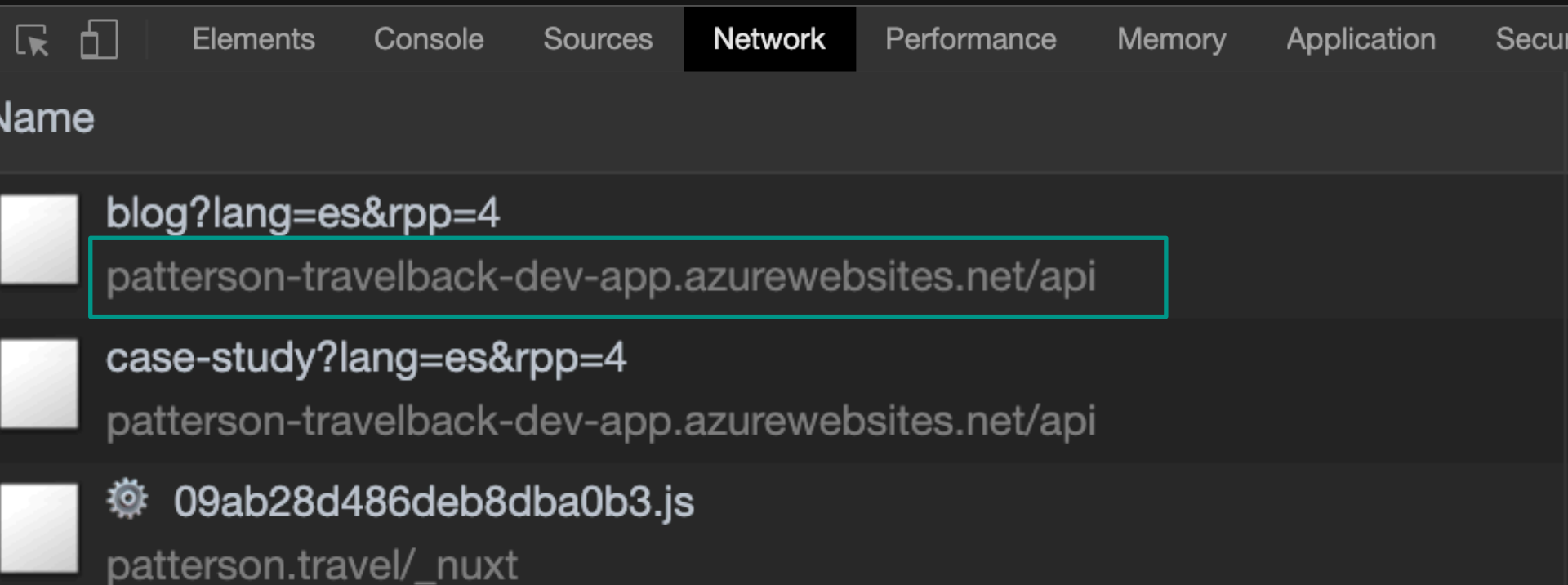
Site is pre rendered

Hydration Kicks in

content up to date – API calls on navigation



API call on navigation



I just want full static

What if I don't want to call the api every time i navigate to a page?

Full Static

One api call on build

Call the payload on navigation instead of the api

static module

Add the static module

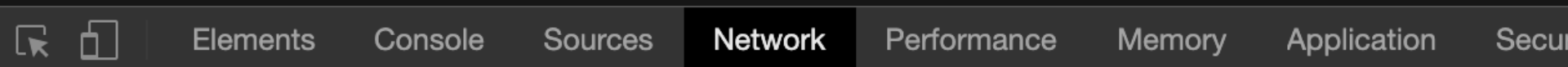
nuxt generate



payload.json

__payloads ▶	16250b2...c36911f ▶	agencia-mice ▶	JS payload.js
JS 0aa6ced...fbb5ce.js		agencia-viajes-a-medida ▶	payload.json
JS 0bce7c9...20d9cc.js		agencia-viajes-empresa ▶	
JS 0c78523...edd3f0.js		blog ▶	
JS 1b5d178...506b1.js		ca ▶	
JS 1e34097...e66bbf.js		case-studies ▶	

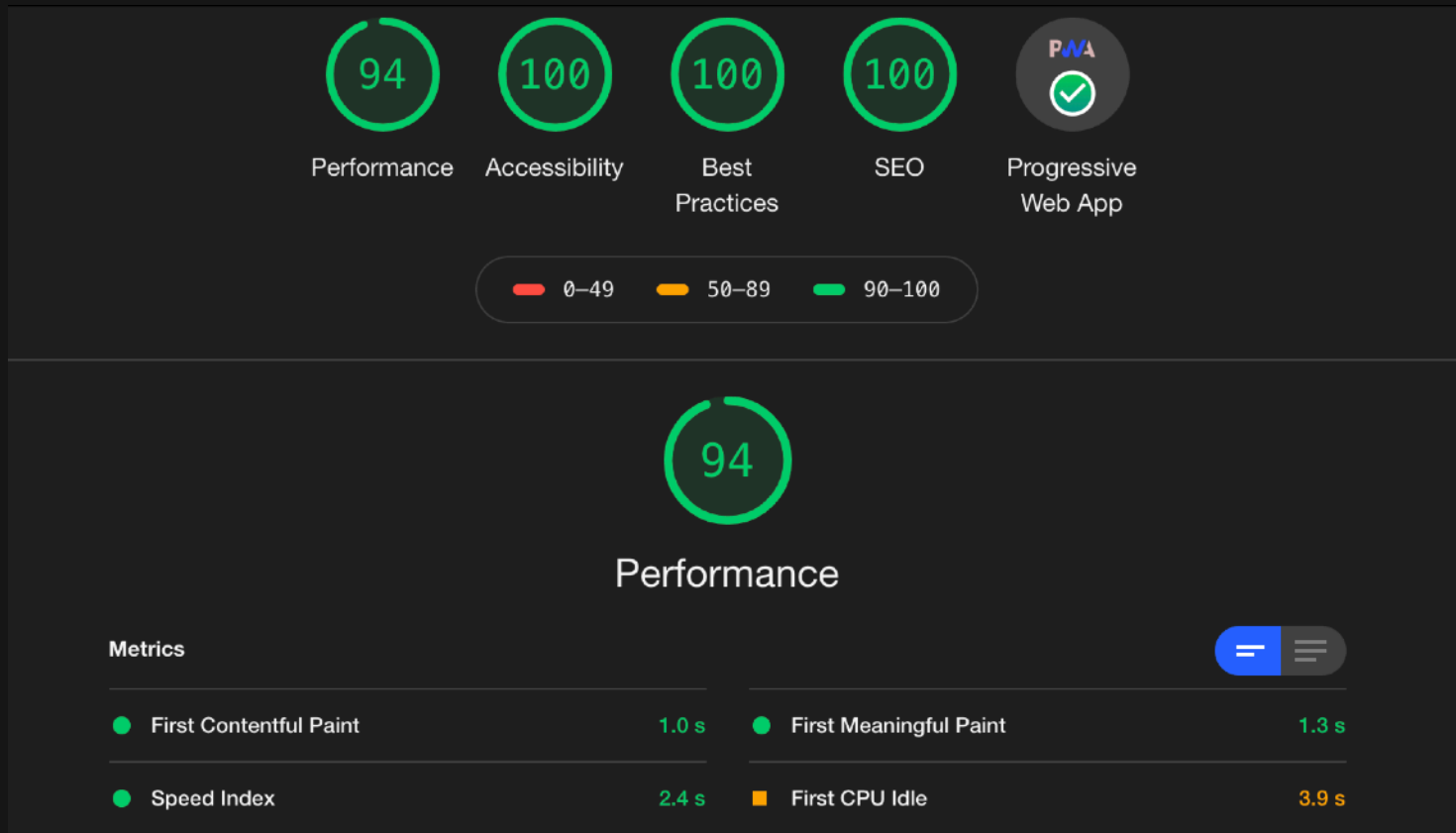
Calling the payload



Name

	payload.json	127.0.0.1/_nuxt/__payloads/db9c621b9fea5764c69e/en/events
	payload.json	/_nuxt/__payloads/db9c621b9fea5764c69e/en
	payload.json	127.0.0.1/_nuxt/__payloads/db9c621b9fea5764c69e/en

Static Sites === Great Performance



Accessibility

Semantic HTML

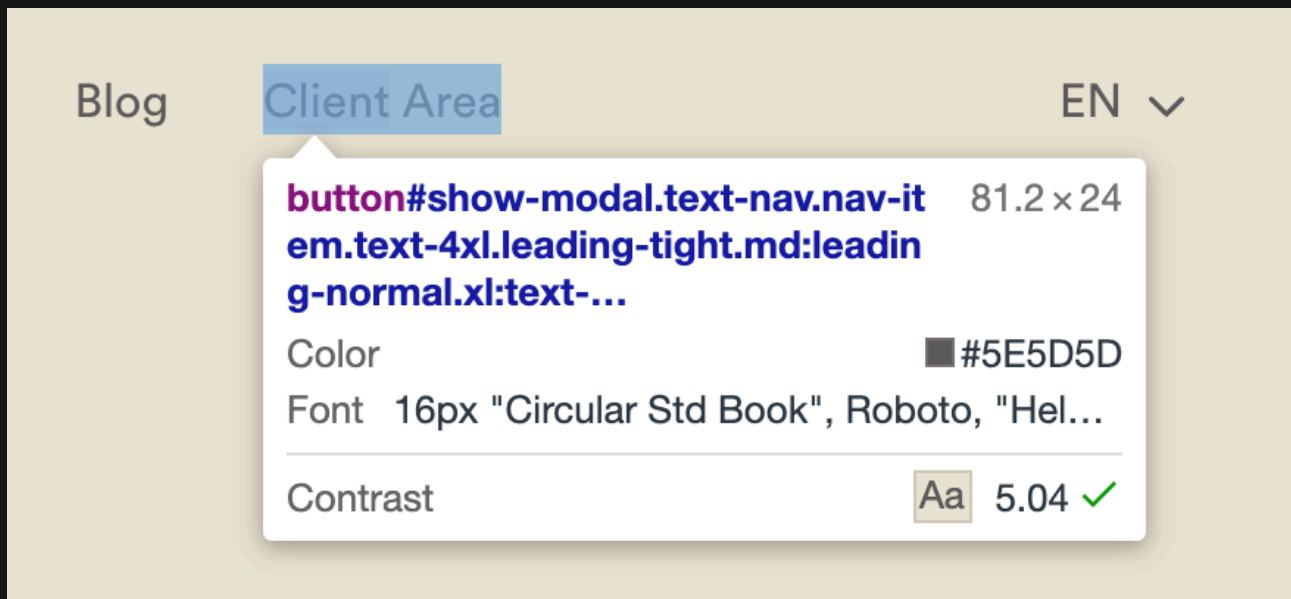
Labels for forms

Aria tags

Alt tags

Chrome dev tools for Accessibility

Color Contrasts



Auto optimise your images

```

```



Lazy Load your images

```
  
<iframe src="https://example.com" loading="lazy"></iframe>
```

PWA

```
modules: ['@nuxtjs/pwa']
```

Add the icon.png to the static folder

CSS Stats

Patterson Travel

File size

27KB

Gzipped file size

7KB

modern mode

`nuxt build --modern`

✓ Client

Compiled successfully in 20.98s

✓ Modern

Compiled successfully in 15.90s

✓ Server

Compiled successfully in 8.48s

Code split from the start

```
components: {  
  TheFooter: () => import('@/  
    components/the-footer')  
}
```


Lazy load your translations

```
lazy: true
```

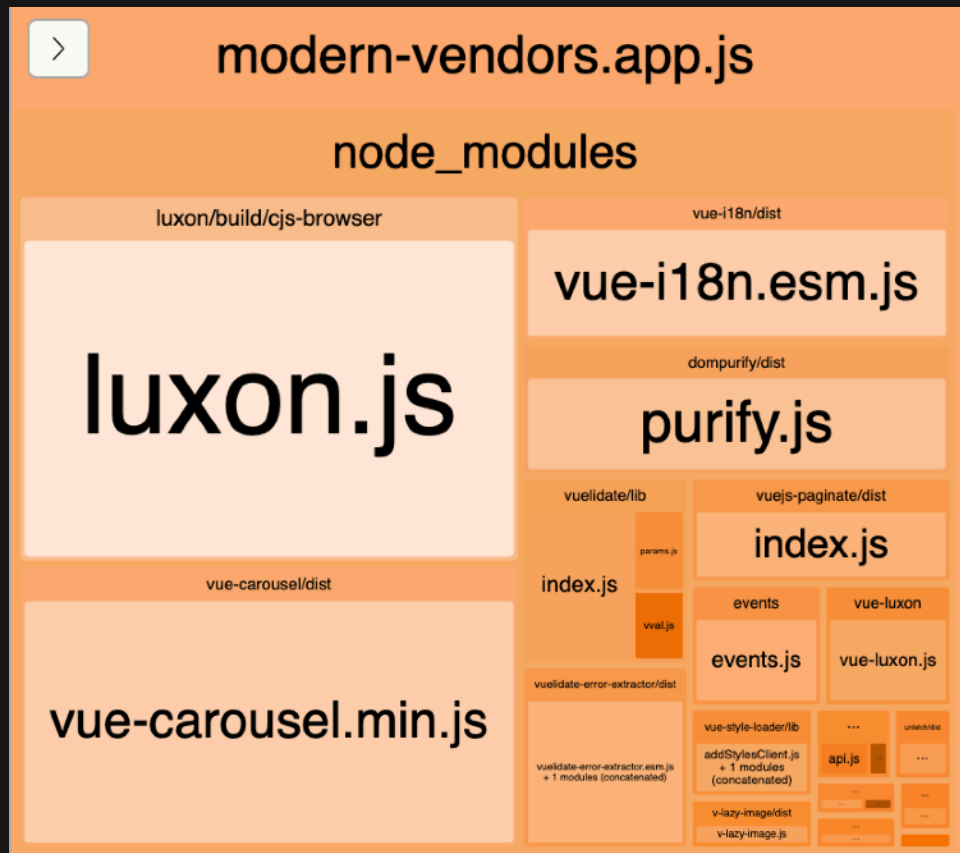
Tailwind + PurgeCSS

```
modules: ['@nuxtjs/tailwindcss']
```

```
purgeCSS: {  
  mode: 'postcss',  
  whitelistPatterns: [/datepicker/]  
}
```

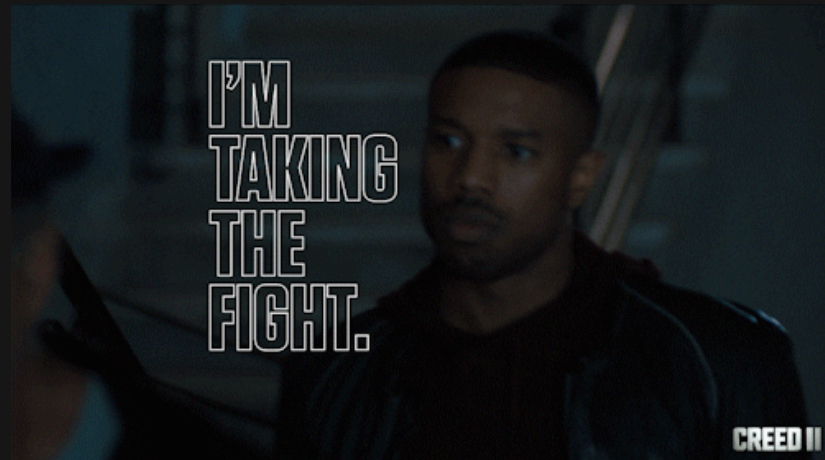
[illegible]

webpack analyzer



JAMstack - Do we need it?

Hell yeah!



Are you
NUXT?



Thank you

Debbie O'Brien

Frontend Tech Lead
Consultant and Teacher
Open Source Contributor



@debs_obrien



Useful Links

[Nuxt Boilerplate](#)

[Awesome Nuxt](#)

[Patterson Travel](#)

[TailwindCSS](#)

[PurgeCSS](#)

[CSS Stats](#)

[Cloudinary](#)

[Lighthouse Audit](#)



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