

Microfrontends done right!

by Matthias Hryniszak

Rules of egagement

- if you feel you have a question - interrupt me and ask
- be mindfull of your colleques
- try to enjoy using it as much as I did writing it :)

This presentation is on Github

<https://github.com/padcom/microfrontends-done-right>

Let's get down to business!

2 reasons to use microfrontends

- separation of code
- separation of publishing



Micro Frontends IN ACTION

Michael Geers

 MANNING

3 types of microfrontends

- full pages (use `iframe`)
- applications
- components

3 types of microfrontends

- full pages (use `iframe`)
- **applications**
- **components**

Can I use dynamic import()

? ⚙ Settings

2 results found



JavaScript modules: dynamic import() - OTHER

Usage

Global

95.12%

Loading JavaScript modules dynamically using the import()
syntax

Current aligned

Usage relative

Date relative

Filtered

All



Chrome	Edge [*]	Safari	Firefox	Opera	IE	Chrome for Android	Safari on iOS [*]	Samsung Internet	Opera Mini [*]	Opera Mobile [*]	UC Browser for Android	Android [*] Browser	Firefox for Android	QQ Browser	Baidu Browser	KaiOS Browser
			2-65													
4-62	12-18	3.1-11	¹ 66	10-49			3.2-10.3	4-7.4								
63-104	79-104	11.1-15.5	67-103	50-89	6-10		11-15.5	8.2-17.0		12-12.1		2.1-4.4.4				
105	105	15.6	104	90	11	105	15.6	18.0	all	64	12.12	105	104	10.4	7.12	2.5
106-108		16.0-TP	105-106				16.0									

Notes

Test on a real browser

Known issues (0)

Resources (7)

Feedback

¹ Support can be enabled via `javascript.options.dynamicImport` flag. See [bug 1517546](#).

Can I use `importmap`

[?](#) [Settings](#)

1 result found



Import maps - UNOFF



Import maps allows control over what URLs get fetched by JavaScript `import` statements and `import()` expressions.

Current aligned

Usage relative

Date relative

Filtered

All



Usage

Global

71.79%

Chrome	Edge [*]	Safari	Firefox	Opera	IE	Chrome for Android	Safari on iOS [*]	Samsung Internet	Opera Mini [*]	Opera Mobile [*]	UC Browser for Android	Android Browser [*]	Firefox for Android	QQ Browser	Baidu Browser	KaiOS Browser
4-73	12-18			10-60												
¹ 74-88	¹ 79-88		2-101	¹ 62-75				4-14.0								
89-103	89-103	3.1-15.5	² 102-103	76-89	6-10		3.2-15.5	15.0-17.0		12-12.1		2.1-4.4.4				
104	104	15.6	² 104	90	11	104	15.6	18.0	all	64	12.12	104	101	10.4	7.12	2.5
105-107		16.0-TP	² 105-106				16.0									

Notes

Test on a real browser

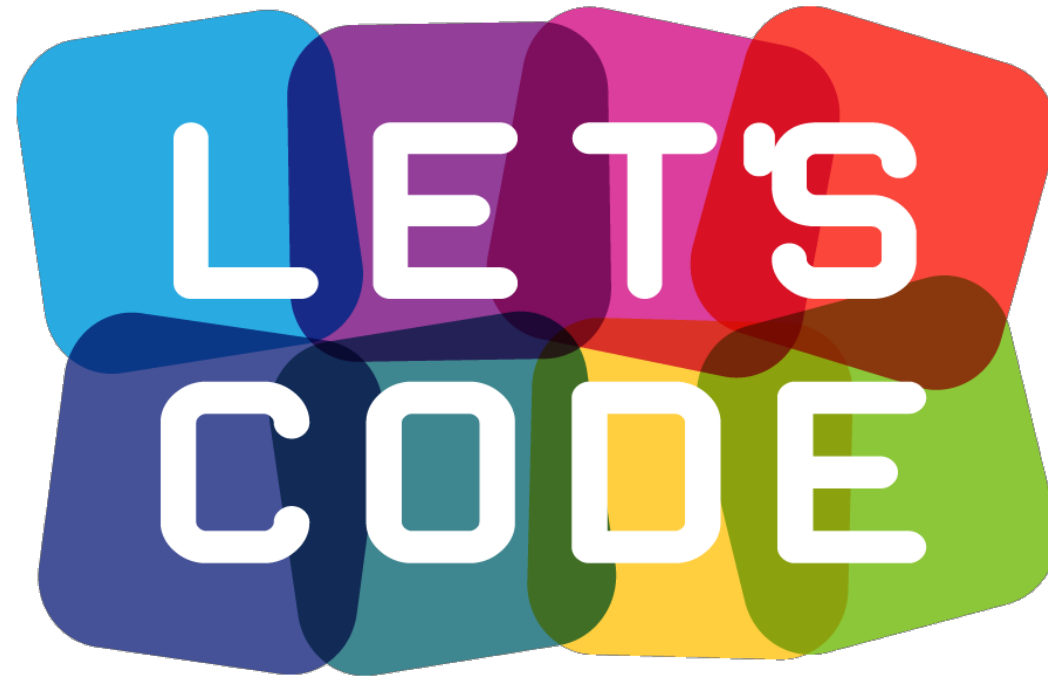
Known issues (0)

Resources (6)

Feedback

¹ Can be enabled via the "Experimental Web Platform features" flag at `about:flags`.

² Can be enabled via the `dom.importMaps.enabled` pref in `about:config`.



```
const AsyncComp = defineAsyncComponent({
  // the loader function
  loader: () => import('./Foo.vue'),

  // A component to use while the async component is loading
  loadingComponent: LoadingComponent,
  // Delay before showing the loading component. Default: 200ms.
  delay: 200,

  // A component to use if the load fails
  errorComponent: ErrorComponent,
  // The error component will be displayed if a timeout is
  // provided and exceeded. Default: Infinity.
  timeout: 3000
})
```

<https://vuejs.org/guide/components/async.html>

Strategies for dependency management

- package everything
- don't package common libraries
- don't use a bundler

NPM coordinates scheme

@scope/package-name@version/path/within/package

Supported semantic versioning scheme

major.minor.patch+tag.iteration-meta.build

Questions?

May the force be with you! Always!

Blog:

<https://padcom13.blogspot.com>

LinkedIn:

<https://linkedin.com/in/padcom>

