



# WEBPACK DYNAMIC IMPORT

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# What is it?

Asynchronously load JS imports

Promises, Async Await

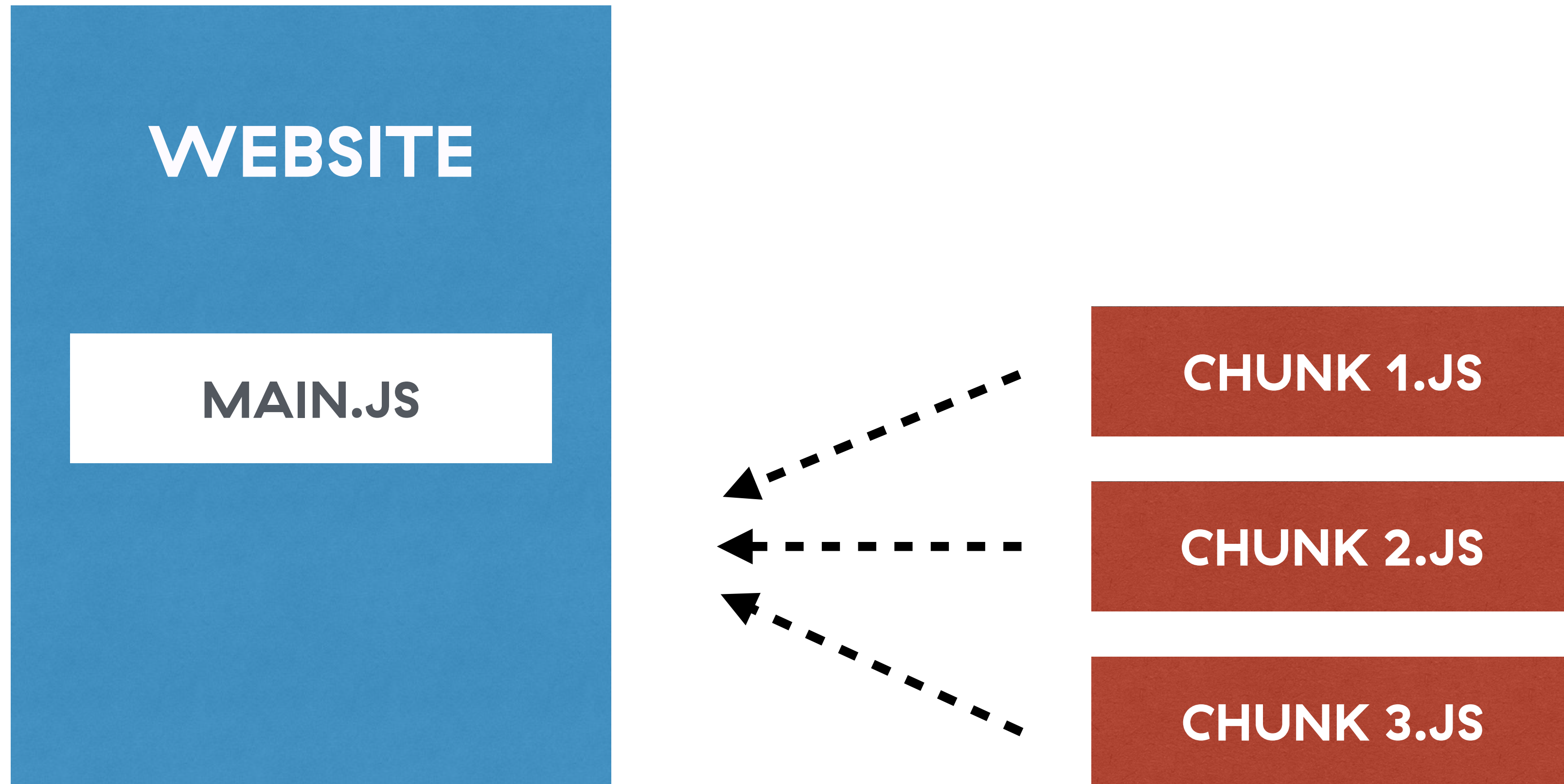
Optimise file sizes

Speed up loading

Fast

IE 11

# How does it work?





**SETUP**

# package.json

```
npm install --save-dev @babel/plugin-syntax-dynamic-import
```

# .babelrc

```
{  
  "presets": [  
    ["env", {  
      "targets": {  
        "browsers": ["last 2 versions"],  
        "node": "current"  
      }  
    }]  
  ],  
  
  "plugins": ["@babel/plugin-syntax-dynamic-import"]  
}
```

# Component

```
export class ImportPosts {  
  init() {  
    doSomeCoolStuff();  
  }  
}
```

# Before

```
import {ImportPosts} from './importPosts';  
  
if ($('#.js-import').length) {  
  const importPosts = new ImportPosts();  
  
  importPosts.init();  
}
```



# After

```
if ($('.js-import').length) {  
    import('./importPosts').then(({ImportPosts}) => {  
  
        const importPosts = new ImportPosts();  
  
        importPosts.init();  
  
    });  
}
```



# Before

Child

Hash: **edd1044ef52cd73237a3**

Time: **2978ms**

Built at: **10/03/2018 11:48:29 PM**

	Asset	Size	Chunks		Chunk Names
	styles/applicationKeys- <b>edd1044ef52cd73237a3.css</b>	28.8 KiB	applicationKeys	[emitted]	applicationKeys
	<b>scripts/applicationKeys-<b>edd1044ef52cd73237a3.js</b></b>	39.6 KiB	<b>applicationKeys</b>	<b>[emitted]</b>	applicationKeys
	<b>scripts/applicationMonitor-<b>edd1044ef52cd73237a3.js</b></b>	42.2 KiB	<b>applicationMonitor</b>	<b>[emitted]</b>	applicationMonitor
	manifest.json	273 bytes		[emitted]	

# After

Child

Hash: **e97bbb592ec8335a8c6e**

Time: **1405ms**

Built at: **10/03/2018 11:48:37 PM**

	Asset	Size	Chunks		Chunk Names
	styles/applicationKeys- <b>e97bbb592ec8335a8c6e.css</b>	28.8 KiB	applicationKeys	[emitted]	applicationKeys
	<b>scripts/applicationKeys-<b>e97bbb592ec8335a8c6e.js</b></b>	27.8 KiB	<b>applicationKeys</b>	<b>[emitted]</b>	applicationKeys
	<b>scripts/applicationMonitor-<b>e97bbb592ec8335a8c6e.js</b></b>	31.4 KiB	<b>applicationMonitor</b>	<b>[emitted]</b>	applicationMonitor
	<b>scripts/0-<b>e97bbb592ec8335a8c6e.js</b></b>	23.6 KiB	0	<b>[emitted]</b>	
	<b>scripts/1-<b>e97bbb592ec8335a8c6e.js</b></b>	3.92 KiB	1	<b>[emitted]</b>	
	<b>scripts/2-<b>e97bbb592ec8335a8c6e.js</b></b>	10.1 KiB	2	<b>[emitted]</b>	
	<b>scripts/3-<b>e97bbb592ec8335a8c6e.js</b></b>	13.7 KiB	3	<b>[emitted]</b>	



IE

```
npm install --save @babel/polyfill
```

**EXAMPLE**

# DYNAMIC IMPORTS SPEC

# MDN

## Stage 3

[https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/import#Dynamic\\_Import](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/import#Dynamic_Import)

JavaScript modules: dynamic import()  - UNOFF

Usage Global 71.8%

% of all users

Loading JavaScript modules dynamically using the import() syntax

Current aligned	Usage relative	Date relative	Show all	?					
IE	Edge *	Firefox	Chrome	Safari	iOS Safari *	Opera Mini *	Chrome for Android	UC Browser for Android	Samsung Internet
			49						
			63						
			67						
		61	68	11.1	11.2				4
11	17	62	69	12	11.4	all	69	11.8	7.2
	18	63	70	TP	12				
		64	71						
			72						

# HELPFUL RESOURCES

<https://babeljs.io/docs/en/babel-plugin-syntax-dynamic-import>

<https://babeljs.io/docs/en/babel-polyfill>

[https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/  
import#Dynamic\\_Import](https://developer.mozilla.org/en-US/docs/Web/JavaScript/Reference/Statements/import#Dynamic_Import)



# Any questions?

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