Introduction aux WebComponents



Avant toute chose

Pré-requis : Connaissance HTML/JS

Disclamer : Je ne mets pas de Web Components en Production.

Mais c'est quoi un WebComponent?

Exemple

Non mais plus sérieusement?

Futur standard W3C

• "A component platform from the W3C that allows Web sites to be constructed from standardized building blocks."

Regroupement de 4 technologies

Décomposition

Custom Element

<custom-element></custom-element>

HTML Template

```
<template id='cells-to-repeat'>
Some Content
</template>
```

HTML Imports

```
<link rel='import' href='some-file.html'>
```

Shadow DOM

Un vrai exemple ?

Pourquoi "futur" standard?

Compatibilité

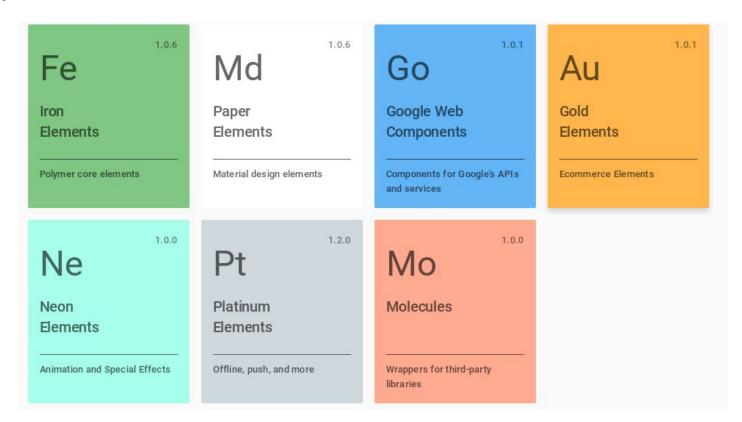
	Specced	Implementation				
		Polyfill	Chrome / Opera	Firefox	Safari	Edge
Templates			Stable	Stable	8	13
HTML Imports			Stable	On Hold	No Active Development	Vote
Custom Elements			Stable	Flag	Protoype	Vote
Shadow DOM			Stable	Flag	WebKit Nightly	Vote

La solution?

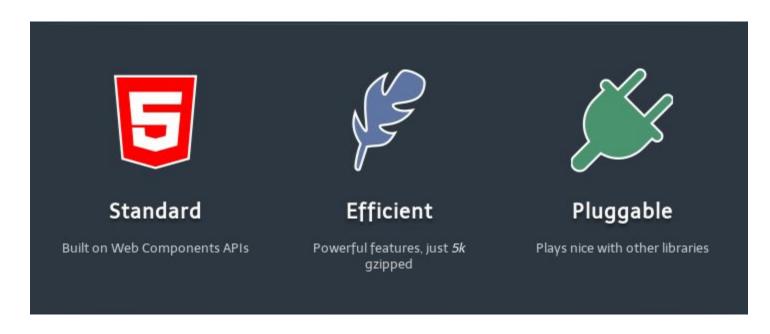
Le polyfill va combler les manques des navigateurs.

Les librairies

Polymer



X-Tag



Bosonic



A practical collection of everyday Web Components

Sources

http://webcomponents.org/

https://www.parleys.com/tutorial/web-components-polymer-material-design

http://blog.xebia.fr/2015/03/31/introduction-sur-les-web-components-en-pur-javascript/

https://www.polymer-project.org/1.0/

http://x-tag.github.io/

http://bosonic.github.io/