

Browser Support



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Overview

Shims and polyfills

Project overview

Chrome support

IE9 support

IE8 support

Shim

A shim refers to any piece of code that performs interception of an API call and provides a layer of abstraction.

Polyfill

A polyfill is a type of shim that retrofits legacy browsers with modern HTML/CSS/JavaScript features (browser APIs) usually using Javascript.

```
if (!Function.prototype.bind) {  
    Function.prototype.bind = ... ;  
}
```

Polyfill

```
$ npm install babel-polyfill
```

Babel Polyfill


Babel Polyfill

Branch: **master** ▾

babel / packages / babel-polyfill / src / **index.js**

Find file

Copy path

 **sebmck** add function.sent

983ca5c 17 days ago

2 contributors



8 lines (6 sloc) | 190 Bytes

Raw

Blame

History



```
1  if (global._babelPolyfill) {
2    throw new Error("only one instance of babel-polyfill is allowed");
3  }
4  global._babelPolyfill = true;
5
6  import "core-js/shim";
7  import "babel-regenerator-runtime";
```

core-js

Scope

- ES5, ES6, ES7
- not just safe parts of spec

Modular

No global namespace pollution

ES Shims

Scope

- just safe parts of spec
- just ES5 or just ES6

Not as modular

Pollute global namespace

**takes proposed syntax
for generators/yield
and transforms to ES5**

Regenerator

ECMAScript Versions

ES3

IE8+

CH5+

FF3+

SF4+

ES5

IE9+

CH6-19+

FF4+

SF5-6+

ECMAScript Versions

ES3

Babel polyfill

Plugin: es3-member-expression-literals

Plugin: s3-member-property-literals

Other Plugins:

object-set-prototype-of-to-assign

ES5

Babel polyfill

Demo

**All ES2015 features in the
latest version of Chrome to IE8**

- before polyfill and transpiling
- with polyfill
- transpiled

Summary

Babel polyfill

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Chrome, IE9, IE8 support