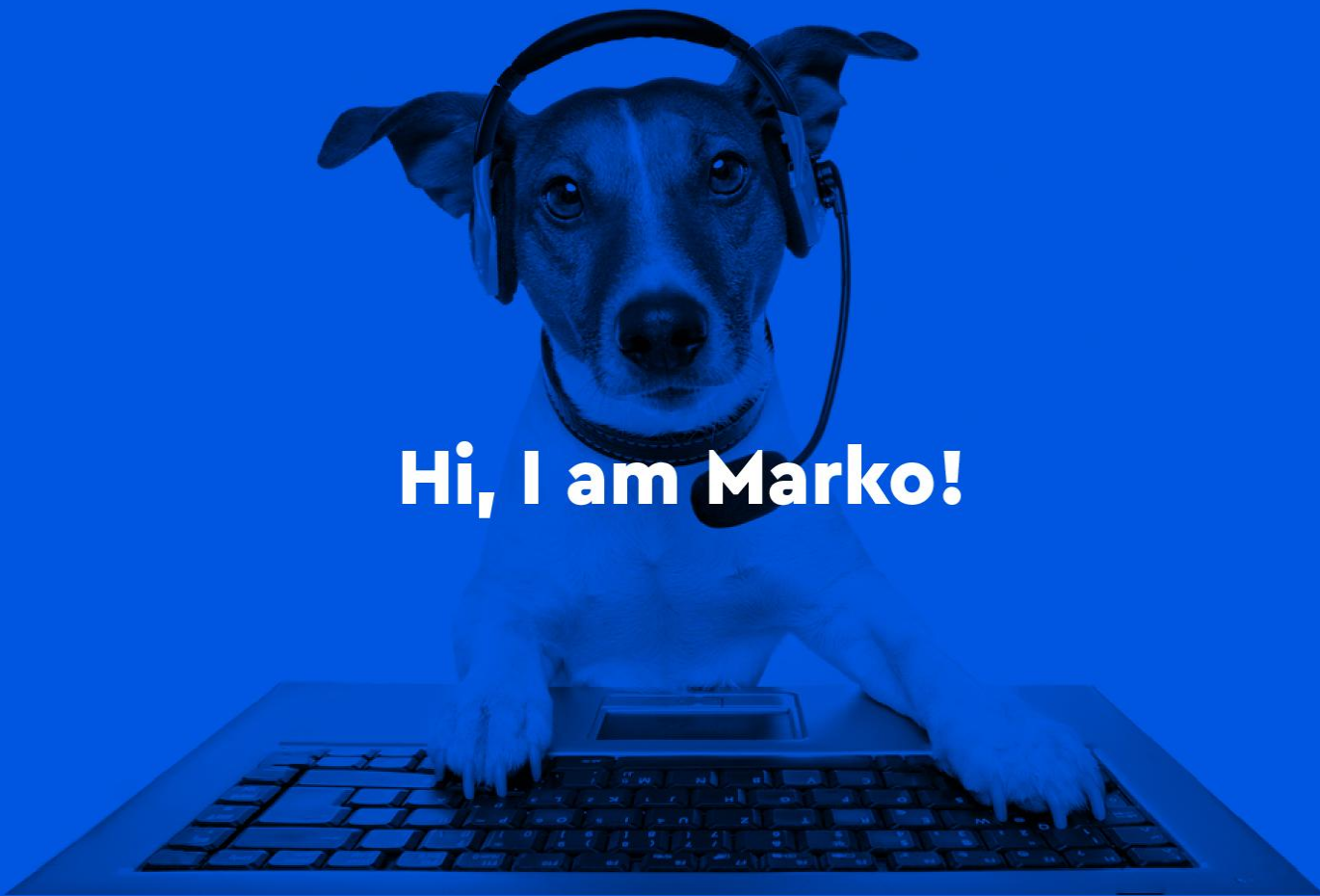




FuseBox

Blazing fast js bundler



Hi, I am Marko!

**"A supersmall studio with
a programmer's brain
and a creative heart."**

north2

Agenda

- **Introduction to FuseBox main features**
- **Comparison with other module bundlers**
- **Going through basic config file**

What is FuseBox and what are it's features?



High speed
Performance

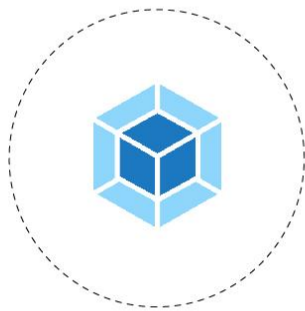
.ts/tsx
file extension



GitHub
2016

Simple
libraries included and
dependencies solved

How it holds up to other bundlers?

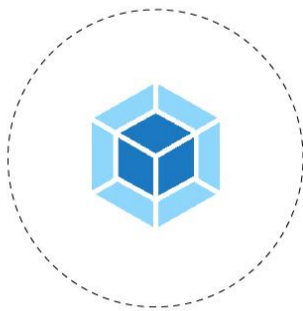


Example : <https://angular.io/tutorial>

How it holds up to other bundlers?



FuseBox



Webpack



Rollup.js



Browserify

Filesize

3,477 KB

3,522 KB

3,064 KB

3,455 KB

Time

3.28 s

9.06 s

11.86 s

7.58 s

Configuration



> Initialisation

```
const { FuseBox } = require("fuse-box");  
  
FuseBox.init({ /* you config is here */ })
```

File hierarchy

+ Expand all - Collapse all

- node_modules
- stuff
 - src
 - index.ts
 - fuse.js

> Source and Output

```
const { FuseBox } = require("fuse-box");  
const fuse = FuseBox.init({  
  homeDir: "src",  
  output: "dist/$name.js",  
});
```

> Bundling

```
fuse.bundle("app")  
  .instructions(`>index.ts`);  
  
fuse.run();
```

> Simple bundling

```
const { FuseBox } = require("fuse-box");
const fuse = FuseBox.init({
  homeDir: "src",
  output: "dist/$name.js",
});
fuse.bundle("app")
  .instructions(`>index.ts`);

fuse.run();
```

> Plugins

```
const {  
  FuseBox,  
  VueComponentPlugin,  
  QuantumPlugin,  
  HTMLPlugin,  
  SassPlugin,  
  CSSPlugin,  
  CSSResourcePlugin,  
  WebIndexPlugin,  
  Sparky  
} = require( "fuse-box" );
```

> Sparky taskrunner

```
let fuse;  
let isProduction = false;  
  
Sparky.task("set-prod", () => {  
  isProduction = true;  
});  
Sparky.task("clean", () => Sparky.src("./dist").clean("dist/"));  
Sparky.task("watch-assets", () => Sparky.  
watch("./assets", { base: "./src" }).dest("./dist"));  
Sparky.task("copy-assets", () => Sparky.src("./assets", { base: "./src" }).dest("./dist"));
```

> In the end

```
Sparky.task("default", ["clean", "watch-  
assets", "config"], () => {  
    return fuse.run();  
});  
  
Sparky.task("dist", [ "clean", "copy-assets"  
    , "set-prod", "config"], () => {  
    return fuse.run();  
});
```

```
const {
  FuseBox,
  SassPlugin,
  CSSPlugin,
  WebIndexPlugin,
  JSONPlugin,
  HTMLPlugin
} = require('fuse-box');

const fuse = FuseBox.init({
  homeDir: `src/`,
  output: `dist/$name.js`,
  target: "browser",
  sourceMaps : true,
  plugins: [
    WebIndexPlugin({ title: 'FuseBox +
Angular', template: 'src/index.html'}),
    [
      SassPlugin({
        outputStyle: 'compressed',
      }),
      CSSPlugin(),
    ],
    JSONPlugin(), HTMLPlugin({ useDefault
: false,})
  ]
});

fuse.dev();
app = fuse.bundle('app')
  .watch().hmr()
  .instructions(' > main.ts');

fuse.run();
```


Conclusion

FuseBox

**Fast, flexible, easy building,
typescript out of the box, tree shaking.**



Links

- You can find documentation on:
<http://fuse-box.org>
- Github
<https://github.com/fuse-box/fuse-box>
- Examples and seeds
<https://github.com/fuse-box/fuse-box-examples>

**Thank you very much
for listening.**



Marko Mlinarević
marko.m@north2.net