EMBER OCTANE: BUILD TOOLING CHANGES



IMPROVEMENT: IMPORTING THIRD PARTY MODULES

BEFORE: BROCCOLIAND EMBER-ADDONS

https://github.com/mike-north/ember-lodash https://simplabs.com/blog/2017/02/13/npm-libs-inember-cli.html

AFTER: EMBER-AUTO-IMPORT

https://github.com/ef4/ember-auto-import

Some advantages:

- Defer loading large libraries until they are needed
- Remove large wrapper libraries

Before:

200	GET	mwc-ember.ololocal.net	wendor-ee46caea90fb8411edce7b4abbeaaac5.js	HTTP/1.1	js	337.30 KB	1.33 MB
200	GET	mwc-ember.ololocal.net	mobile-web-71a0f0d8f9b1af534f72c2956aeede4f.js	HTTP/1.1	js	231.87 KB	1.27 MB

After:

-1							
200	GET	mwc-ember.ololocal.net	vendor-aff11f819932c7f3ff6dd4813a5d29ce.js	HTTP/1.1	js	283.83 KB	1.10 MB
200	GET	mwc-ember.ololocal.net	mobile-web-fbda8f2c9e5c4eb2d2b7da93050fe9ef.js	HTTP/1.1	js	232.68 KB	1.28 MB

IMPROVEMENT? USING TYPESCRIPT ANNOTATIONS FOR EMBER CLASSES

BABEL? TYPESCRIPT?

BABEL

Takes future JS language features and turns it into current JS features

TYPESCRIPT

Can also emit current JS while providing type checking.

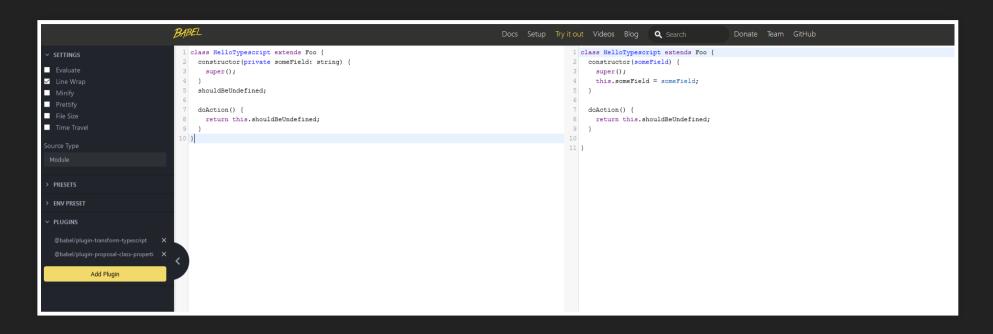
Supports a smaller set of transforms

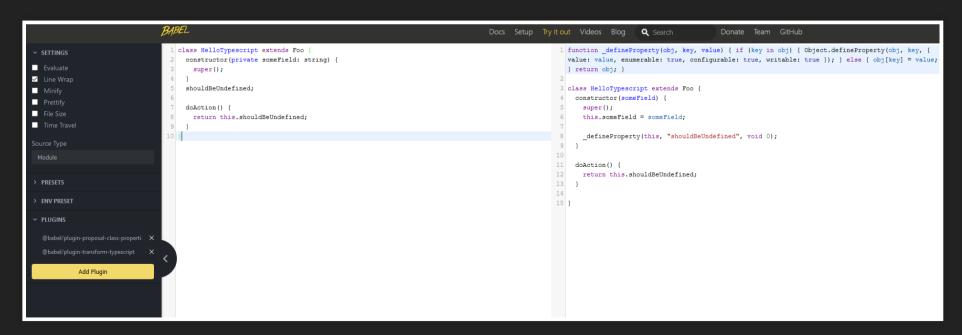
TS playground https://bit.ly/2TUuljk
Babel playground https://bit.ly/2TRT2gC

```
Frank Tan, 27 days ago | 2 authors (Chris Krycho and others)
export default class AccountOverview extends Component.extend(AccountInfoMixin) {

// arguments
model!: Model;
unlinkMembership!: (membershipId: number) => void;
loginProviderName?: string;
```

```
element: unlink
@@ -1333,6 +1335,9 @@
let AccountOverview = (_dec = (0, _object.computed)('loginProviderName'), _dec2 = (0, _object.computed)('loginProviderName'), _dec2
```







```
const app = new EmberApp(defaults, {
   hinting: IS_TEST,
   tests: IS_TEST,
   babel: {
      sourceMaps: IS_PROD,
      plugins: ['@babel/plugin-transform-typescript'],
   },
   'ember-qunit': { useLintTree: false }, // Disable JSHint; we're usin
   'ember-cli-babel': {
      sourceMaps: IS_PROD,
    }
}
```

QUESTIONS?