前端构建工具与平台集成

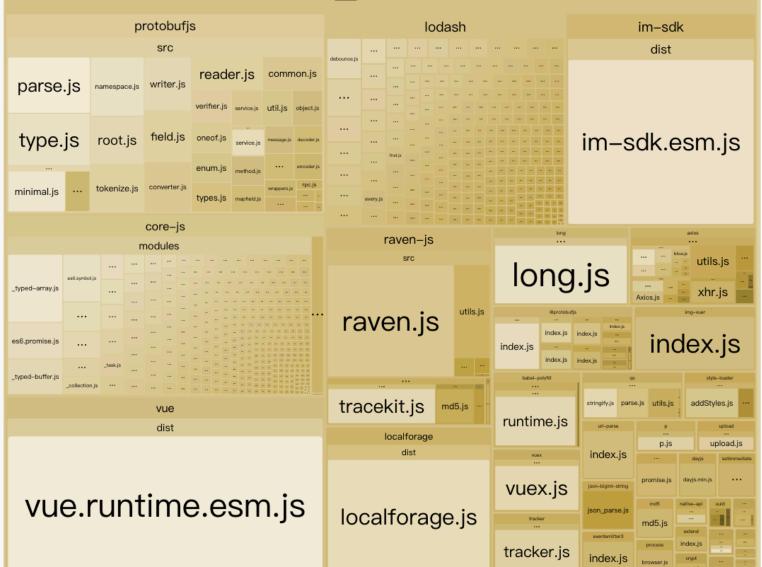
徐健

瓜子二手车 前端工程师

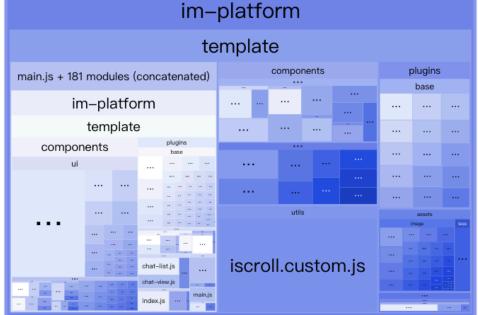
Webpack

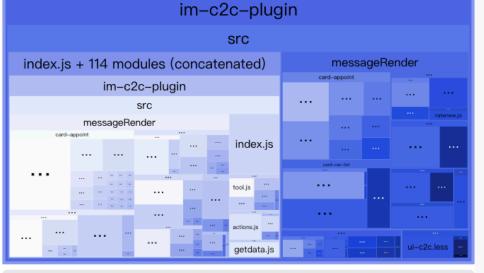
vendor.73e622304acbd3b70fec.js

node_modules



main.e5edd3c10b64043937cf.js







瓜子前端背景

问题

- ▲ 低级错误
- ▲ 规范混乱
- ▲ 强依赖项目开发者构建能力

构建工具封装

```
let config = we({
    basePath: resolve(''),
    mode: isDev ? 'development' : 'production',
    entry,
    output: output,
    vue: true,
    less: true,
    chunks: {
        preset: 'vendor',
        count: 1,
        manifestInline: true,
    },
    px2rem: {
        remUnit: 16,
    },
    files: {
        limit: 2048,
    },
    alias: {
        '@': src(''),
    defines: {
        LOCAL: isLocal,
    },
```

Webpack 轻封装

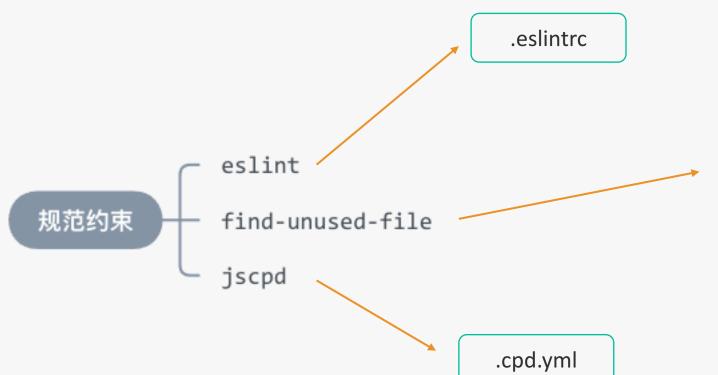
- ▲ 在瓜子普及度高
- ▲ 成熟,生态完善
- ▲ 封装成本低

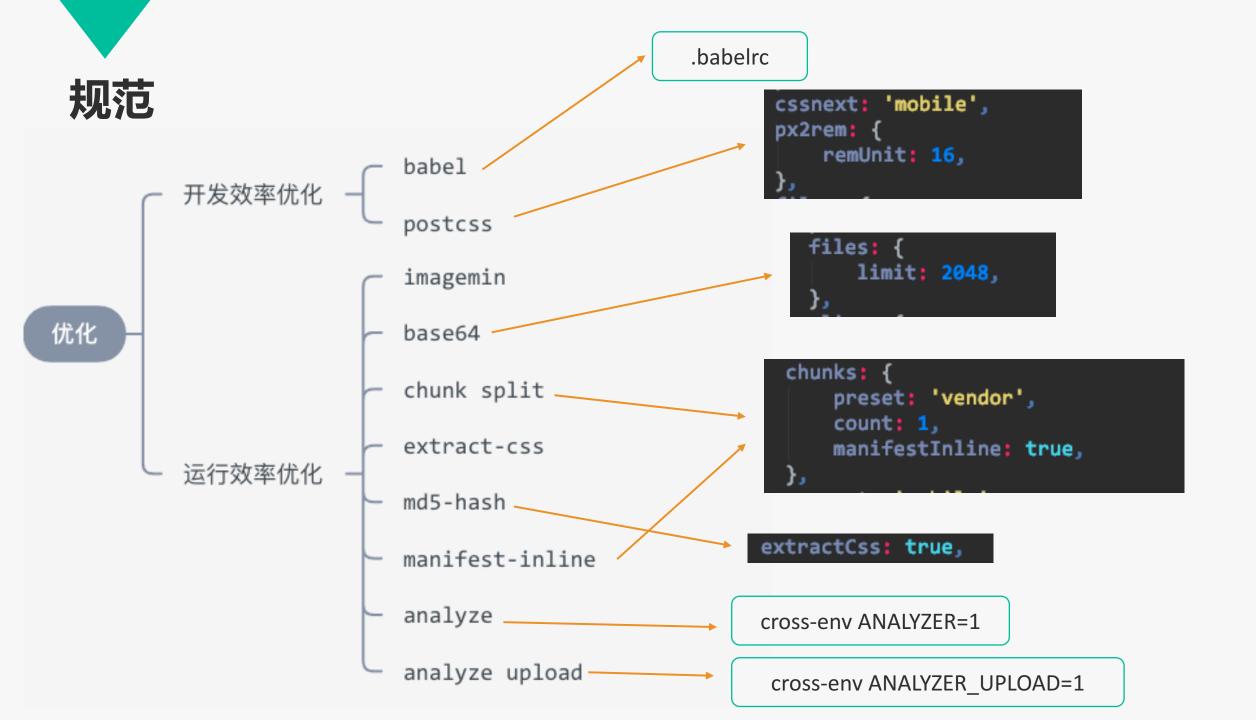
功能总览

功能特性支持

```
defines: {
                                                    LOCAL: isLocal,
               DefinePlugin
               html-webpack-plugin
                                                    html: {
                                                        filename: 'index.html',
               clean-webpack-plugin
                                                        template: src('index.html'),
功能特性
                                                        hash: false,
                             vue
                             jsx
               语言支持
                             sass
                                                    vue: true,
                                                    less: true,
                             less
                                                    sass: true,
                                                    tpl: true,
                             tpl
```

规范





新特性支持

```
swPrecache: {
    cacheId: 'my-project',
},
```

构建平台

AnalyzerUploadPlugin – 数据上报

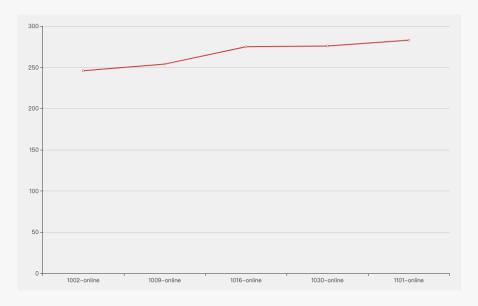
- ▲ webpack-bundle-analyzer 获取尺寸分析数据
- ▲ package.json 获取项目依赖
- ▲ Jscpd 获取代码重复度

▲ Http 请求上报到平台

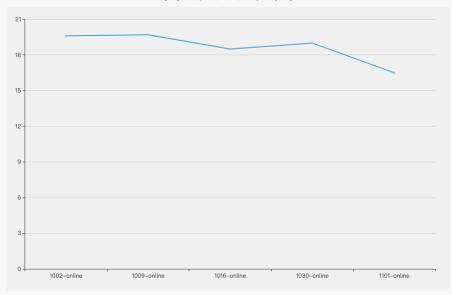
统计分析

vendor.73e622304acbd3b70fec.js				main.e5edd3c10b64043937cf.js		
nada madulas				im-platform		
node_modules				template		
protobufjs	lodash		im-sdk	main.js + 181 modules (concatenated)	components	plugins base
parse.js normania witter js reader, js common, js type.js root.js field.js owed; uman utilga electronic minimal.js tolerate.js comments.js needs type.js nood.js normania.js needs tolerate.js nood.js needs tolerate.js nood.js needs tolerate.js nood.js needs tolerate.js needs tolerate.	Administration 1	1	im-sdk.esm.js	im-platform template Components Market Grant Gr	iscroll.custom.js	
	raven.js	Iong	J.JS xhr.js xhr.js	im—c index.js + 114 modules (concat im—c2c-plugin sr messagePander	src messag	geRender
vue dist	tracekit.js md5.js -	runtime.js			index.js	
vue.runtime.esm.js	localforage dat	vuex.js	json_parse.js md5.js aster.ed		toda postanja postanj	ul-c2cless

代码尺寸分析图

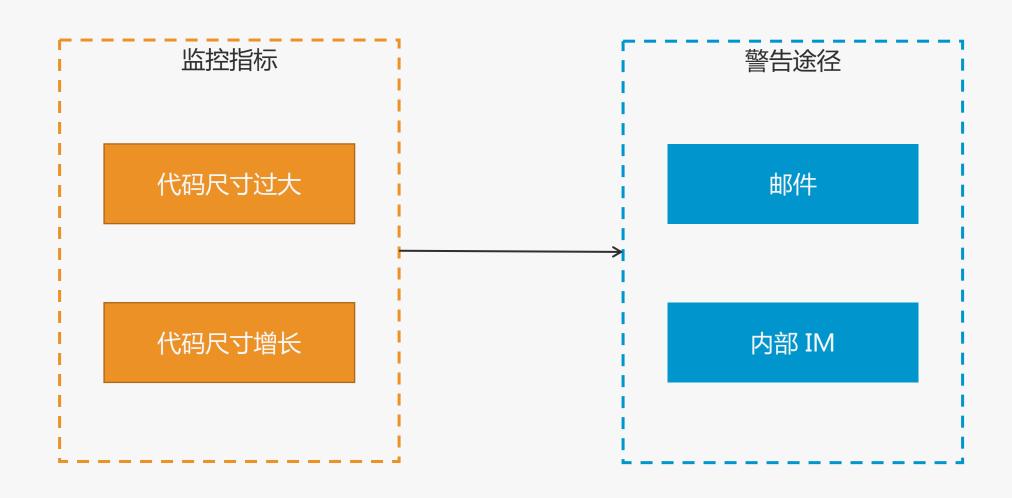


代码尺寸趋势图



代码重复度趋势图

监控和警告



展望

- ▲ 统计前端库使用情况
- ▲ 自动代码尺寸分析和修改建议

A ...

谢谢