

SafeU 的前端

@Ray Zhao



Vue.js

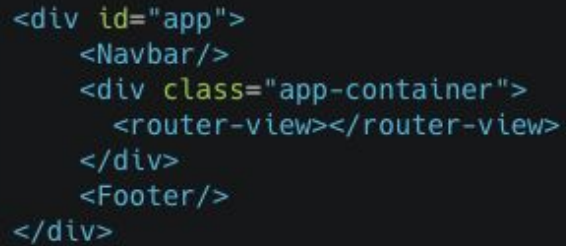
Vue Router

Vue Router 是 Vue.js 官方的路由管理器

Vue Router in SafeU

```
let router = new VueRouter({
  mode: 'history',
  routes: [
    {path: '/download', component: DownloadView},
    {path: '/download/:recode', component: DownloadView},
    {path: '/filelist', component: FilelistView},
    {path: '/upload', component: UploadView},
    {path: '/', component: HomeView},
    {path: '/recode', component: UploadedRecodeView},
    {path: '/terms', component: Terms},
    {path: '/privacy', component: Privacy},
    {path: '/about', component: About},
  ],
})
```

Vue Router in SafeU



```
<div id="app">  
  <Navbar/>  
  <div class="app-container">  
    <router-view></router-view>  
  </div>  
  <Footer/>  
</div>
```

Why Vue Router?

1. 让页面中的部分内容可以无刷新的跳转. 对比 `<a>` 标签
2.

Webpack 打包部署

前端萌新的第一次生产环境部署

在无缓存的情况下加载首页需要 **10s +**

刷新需要 **4s +**


```
2. Ray@appleMacBook-Pro: ~/Documents/safeu-frontend (zsh)
..afeu-frontend (zsh) 361

! Building for production...

WARNING Compiled with 3 warnings

warning

asset size limit: The following asset(s) exceed the recommended size limit (244 KiB).
This can impact web performance.
Assets:
  css/chunk-vendors.c5be996e.css (546 KiB)
  js/chunk-vendors.dc5edfab.js (2.09 MiB)

warning

entrypoint size limit: The following entrypoint(s) combined asset size exceeds the recommended limit (244 KiB). This can impact w
eb performance.
Entrypoints:
  app (2.63 MiB)
    css/chunk-vendors.c5be996e.css
    js/chunk-vendors.dc5edfab.js
    css/app.3bc8d1b8.css
    js/app.354a3fb2.js

warning

webpack performance recommendations:
You can limit the size of your bundles by using import() or require.ensure to lazy load some parts of your application.
For more info visit https://webpack.js.org/guides/code-splitting/

File                                Size                                Gzipped

dist/js/chunk-vendors.dc5edfab.js   2144.47 KiB                         601.24 KiB
dist/js/app.354a3fb2.js             7.48 KiB                            2.97 KiB
dist/css/chunk-vendors.c5be996e.css  546.02 KiB                         65.70 KiB
dist/css/app.3bc8d1b8.css           0.16 KiB                            0.15 KiB

DONE Build complete. The dist directory is ready to be deployed.
INFO Check out deployment instructions at https://cli.vuejs.org/guide/deployment.html

+ Done in 89.18s.
```

如何减小打包体积？

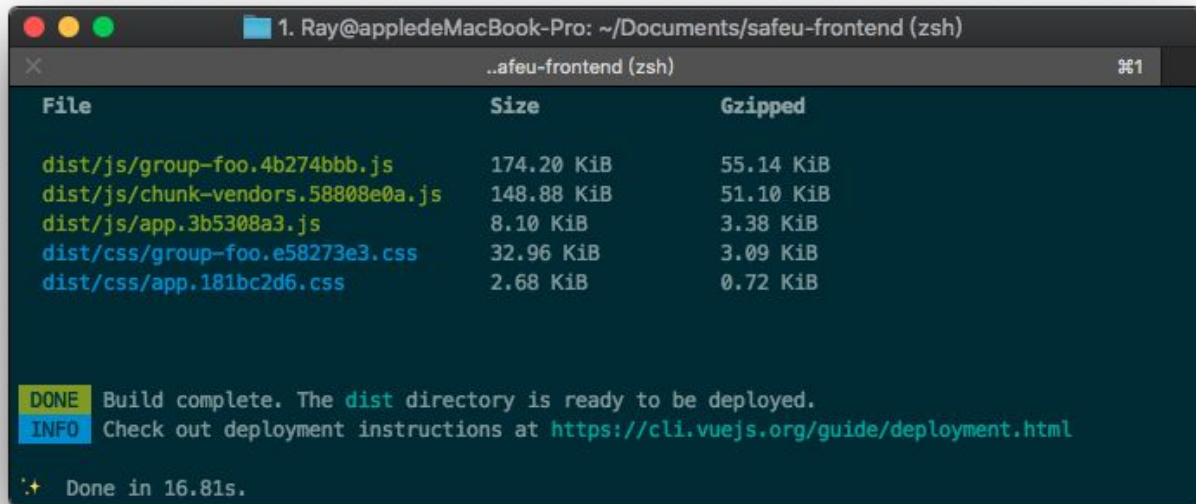
Step1. 将项目内引用的第三方库使用外部链接引用



```
module.exports = {  
  externals: {  
    'vue': 'Vue',  
    'vue-router': 'VueRouter',  
    'antd': 'antd',  
  },  
}
```

webpack.config.js

使用外部引用后大大减小了打包体积和打包速度



| File | Size | Gzipped |
|-----------------------------------|------------|-----------|
| dist/js/group-foo.4b274bbb.js | 174.20 KiB | 55.14 KiB |
| dist/js/chunk-vendors.58808e0a.js | 148.88 KiB | 51.10 KiB |
| dist/js/app.3b5308a3.js | 8.10 KiB | 3.38 KiB |
| dist/css/group-foo.e58273e3.css | 32.96 KiB | 3.09 KiB |
| dist/css/app.181bc2d6.css | 2.68 KiB | 0.72 KiB |

DONE Build complete. The `dist` directory is ready to be deployed.

INFO Check out deployment instructions at <https://cli.vuejs.org/guide/deployment.html>

🌟 Done in 16.81s.

2.6MB → **340KB**
90s → **17s**

Step2. 路由懒加载

根据 Vue Router 官方文档:

```
const DownloadView = () => import(/* webpackChunkName: "group-foo" */ './DownloadView.vue')
const HomeView = () => import(/* webpackChunkName: "group-foo" */ './HomeView.vue')
const UploadView = () => import(/* webpackChunkName: "group-foo" */ './UploadView.vue')
const UploadedRecodeView = () => import(/* webpackChunkName: "group-foo" */ './UploadedRecodeView.vue')
const FilelistView = () => import(/* webpackChunkName: "group-foo" */ './FilelistView.vue')
const Terms = () => import(/* webpackChunkName: "group-foo" */ './Terms.vue')
const Privacy = () => import(/* webpackChunkName: "group-foo" */ './Privacy.vue')
const About = () => import(/* webpackChunkName: "group-foo" */ './About.vue')
```

However, 根据打包生成的 dist 文件夹下的内容并没有根据模块分开.
猜测: 没有在 webpack 配置中实现对应代码

前端萌新研究一番后再部署

在无缓存的情况下加载首页需要 **10s +** → **4s 左右**

刷新需要 **4s +** → **1.4s 左右**

同时, 使用 Vue Router 路由进行页面跳转时
，减少了很多静态文件的重新加载

路漫漫其修远兮

1. 浏览器兼容
2. 用户访问事件的记录(打点)
3. webpack 打包深入
4.

THANKS