抓包

◆ 移动端 h5 页，查看网络请求，需要用工具抓包

◆ windows 一般用 fiddler

◆ Mac OS 一般用 charles

抓包

◆ 手机和电脑连同一个局域网

◆ 将手机代理到电脑上

◆ 手机浏览网页，即可抓包

抓包

◆ 查看网络请求

◆ 网址代理

◆ https

webpack 和 babel

◆ ES6 模块化，浏览器暂不支持

◆ ES6 语法，浏览器并不完全支持

◆ 压缩代码，整合代码，以让网页加载更快

```
→ webpack-demo node -v
v8.12.0
→ webpack-demo npm init -y
Wrote to /Users/wfp/Project/video-tutorial/JS基础面试-升级/code/webpack-demo/package
.json:

{
  "name": "webpack-demo",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}

→ webpack-demo
```
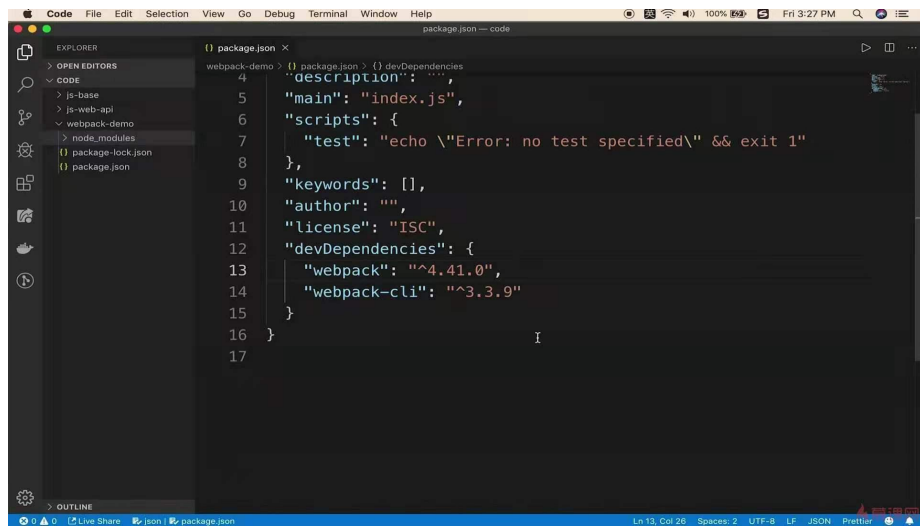
```
→ webpack-demo npm install webpack webpac-cli -D
npm WARN registry Using stale data from http://npm.intra.xiaojukeji.com/ because the
host is inaccessible -- are you offline?
npm WARN registry Using stale package data from http://npm.intra.xiaojukeji.com/ due
to a request error during revalidation.
npm ERR! code ENOTFOUND
npm ERR! errno ENOTFOUND
npm ERR! network request to http://npm.intra.xiaojukeji.com/webpac-cli failed, reaso
n: getaddrinfo ENOTFOUND npm.intra.xiaojukeji.com npm.intra.xiaojukeji.com:80
npm ERR! network This is a problem related to network connectivity.
npm ERR! network In most cases you are behind a proxy or have bad network settings.
npm ERR! network
npm ERR! network If you are behind a proxy, please make sure that the
npm ERR! network 'proxy' config is set properly.  See: 'npm help config'

npm ERR! A complete log of this run can be found in:
npm ERR!     /Users/wfp/.npm/_logs/2019-10-04T07_25_53_491Z-debug.log
→ webpack-demo
```
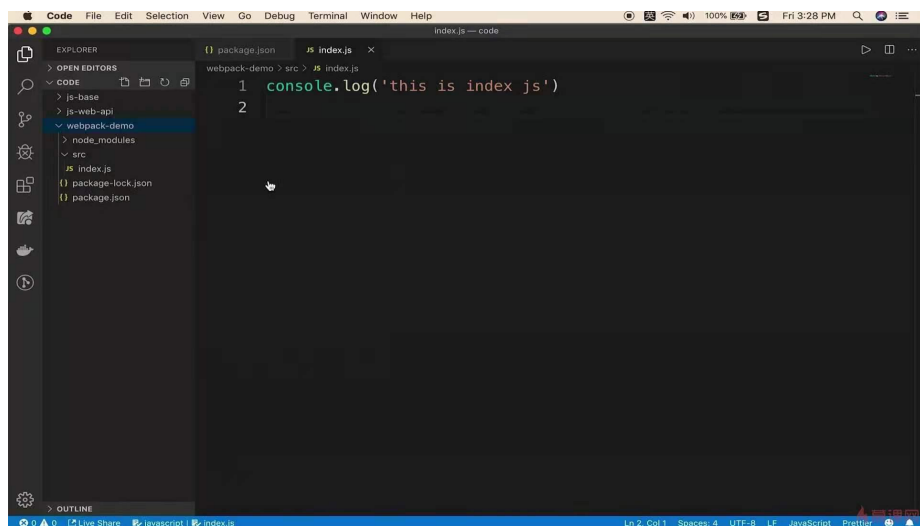
```
→ webpack-demo npm install webpack webpac-cli -D --registry=https://registry.npm.ta
obao.org
npm ERR! code E404
npm ERR! 404 Not Found: webpac-cli@latest

npm ERR! A complete log of this run can be found in:
npm ERR!     /Users/wfp/.npm/_logs/2019-10-04T07_26_20_762Z-debug.log
→ webpack-demo npm install webpack webpack-cli
```
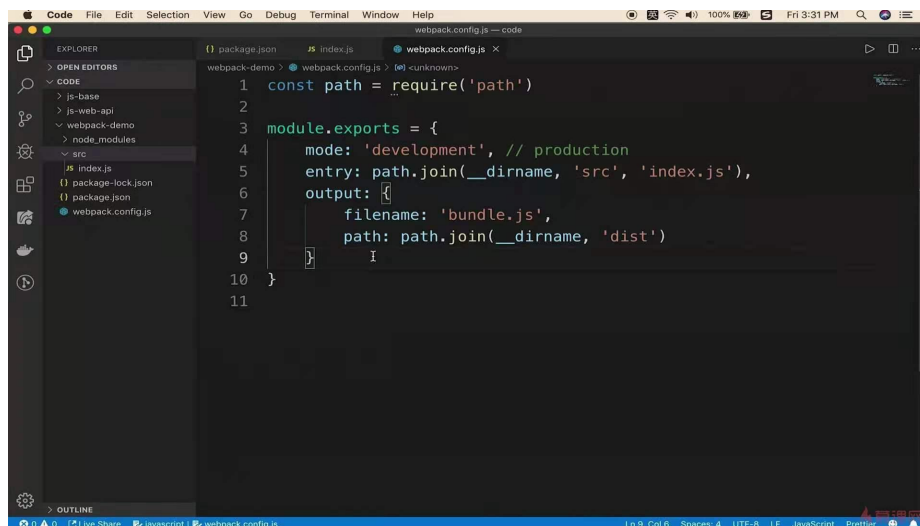
package.json — code

```json
    "description": "",
    "main": "index.js",
    "scripts": {
      "test": "echo \"Error: no test specified\" && exit 1"
    },
    "keywords": [],
    "author": "",
    "license": "ISC",
    "devDependencies": {
      "webpack": "^4.41.0",
      "webpack-cli": "^3.3.9"
    }
}
```
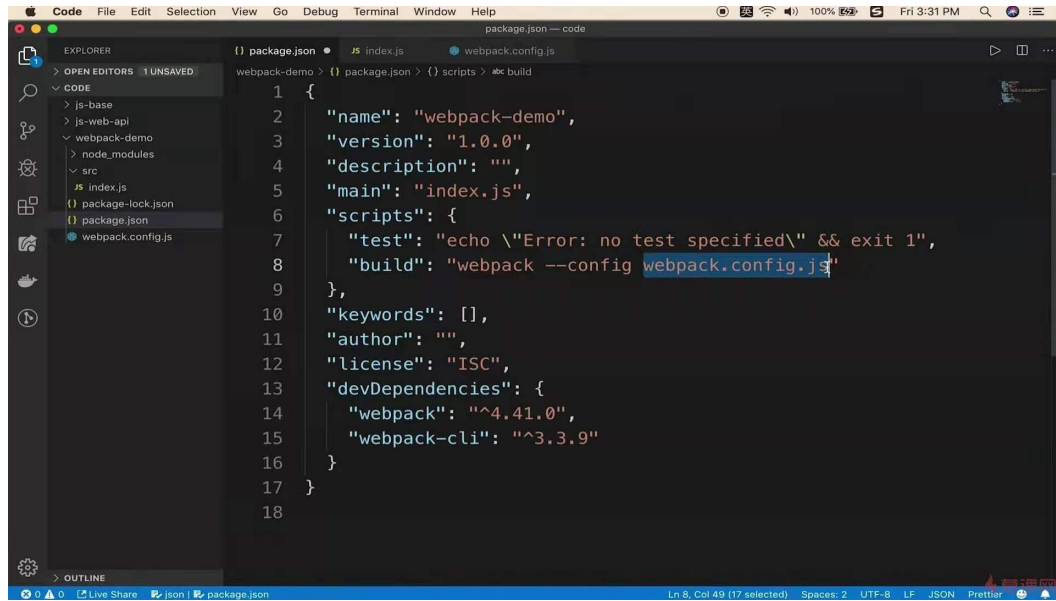
index.js — code

```javascript
console.log('this is index js')
```

webpack.config.js — code

```javascript
const path = require('path')

module.exports = {
    mode: 'development', // production
    entry: path.join(__dirname, 'src', 'index.js'),
    output: {
        filename: 'bundle.js',
        path: path.join(__dirname, 'dist')
    }
}
```

package.json — code

EXPLORER

> OPEN EDITORS 1 UNSAVED
∨ CODE
  > js-base
  > js-web-api
  ∨ webpack-demo
    > node_modules
    ∨ src
      JS index.js
    {} package-lock.json
    {} package.json
    ● webpack.config.js

{} package.json ●   JS index.js   ● webpack.config.js

webpack-demo > {} package.json > {} scripts > abc build

```json
1  {
2    "name": "webpack-demo",
3    "version": "1.0.0",
4    "description": "",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1",
8      "build": "webpack --config webpack.config.js"
9    },
10   "keywords": [],
11   "author": "",
12   "license": "ISC",
13   "devDependencies": {
14     "webpack": "^4.41.0",
15     "webpack-cli": "^3.3.9"
16   }
17 }
18
```
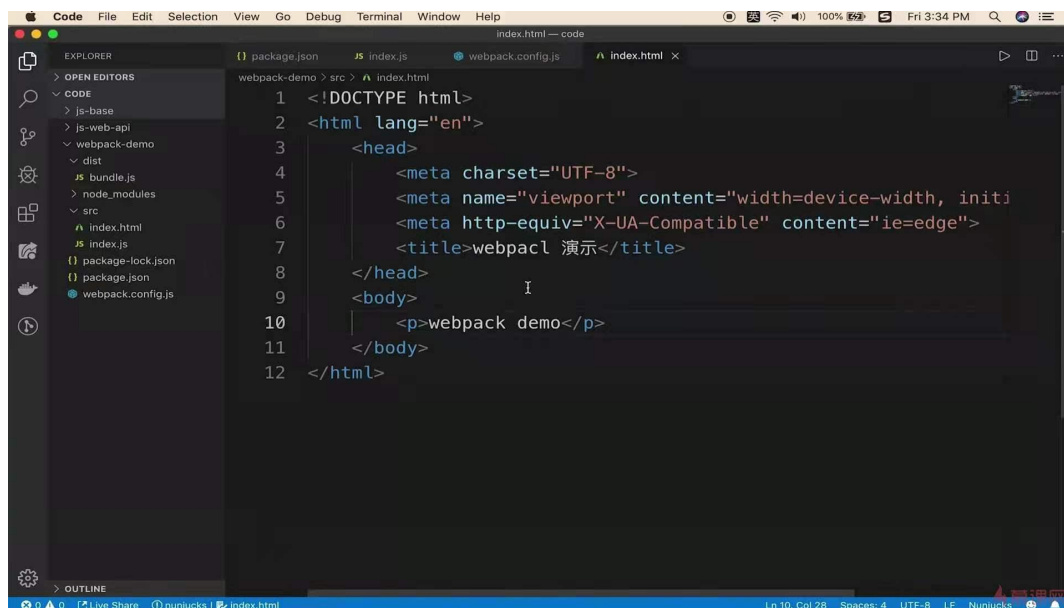
> OUTLINE

⊗ 0 ⚠ 0   Live Share   json package.json   Ln 8, Col 49 (17 selected)   Spaces: 2   UTF-8   LF   JSON   Prettier

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package.json — code

EXPLORER

> OPEN EDITORS
∨ CODE
  > js-base
  > js-web-api
  ∨ webpack-demo
    > node_modules
    ∨ src
      JS index.js
    {} package-lock.json
    {} package.json
    ● webpack.config.js

{} package.json ×   JS index.js   ● webpack.config.js

webpack-demo > {} package.json > {} scripts > abc build

```json
1  {
2    "name": "webpack-demo",
3    "version": "1.0.0",
4    "description": "",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1",
8      "build": "webpack"
9    },
10   "keywords": [],
11   "author": "",
12   "license": "ISC",
13   "devDependencies": {
14     "webpack": "^4.41.0",
15     "webpack-cli": "^3.3.9"
16   }
17 }
18
```

> OUTLINE

⊗ 0 ⚠ 0   Live Share   json package.json   Ln 8, Col 22   Spaces: 2   LF   UTF-8   JSON   Prettier

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index.html — code

EXPLORER

> OPEN EDITORS
∨ CODE
  > js-base
  > js-web-api
  ∨ webpack-demo
    ∨ dist
      JS bundle.js
    > node_modules
    ∨ src
      ∧ index.html
      JS index.js
    {} package-lock.json
    {} package.json
    ● webpack.config.js

{} package.json   JS index.js   ● webpack.config.js   ∧ index.html ×

webpack-demo > src > ∧ index.html

```html
1  <!DOCTYPE html>
2  <html lang="en">
3    <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initi
6      <meta http-equiv="X-UA-Compatible" content="ie=edge">
7      <title>webpacl 演示</title>
8    </head>
9    <body>
10     <p>webpack demo</p>
11   </body>
12 </html>
```

> OUTLINE

⊗ 0 ⚠ 0   Live Share   nunjucks index.html   Ln 10, Col 28   Spaces: 4   UTF-8   LF   Nunjucks

```
→ webpack-demo npm install html-webpack-plugin -D
((                            )) ∴ rollbackFailedOptional: verb npm-session acc52b27fc9cf2e0
```
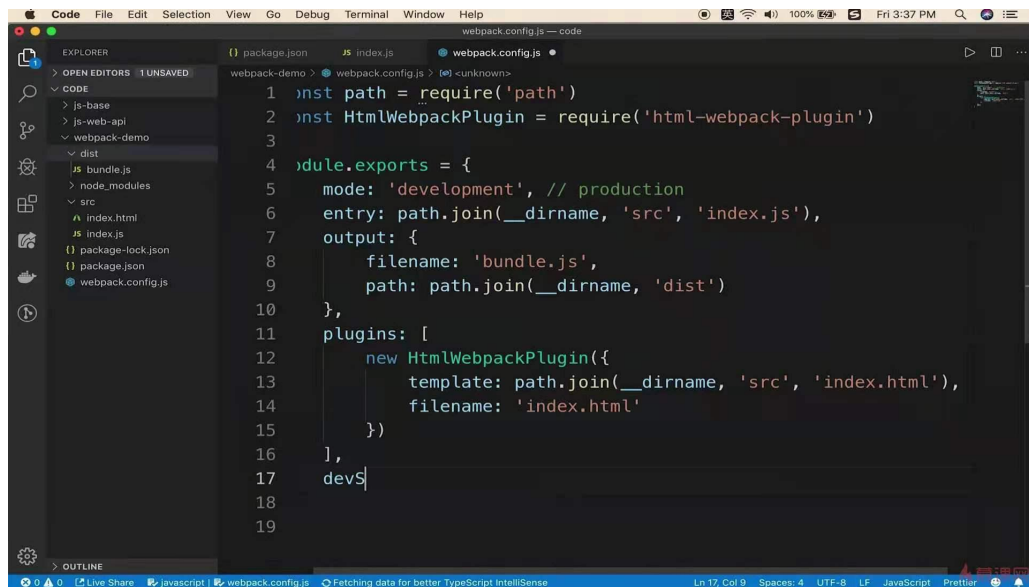
```
npm WARN registry Using stale package data from http://npm.intra.xiaojukeji.com/ due
 to a request error during revalidation.
npm ERR! code ENOTFOUND
npm ERR! errno ENOTFOUND
npm ERR! network request to http://npm.intra.xiaojukeji.com/object-inspect failed, r
eason: getaddrinfo ENOTFOUND npm.intra.xiaojukeji.com npm.intra.xiaojukeji.com:80
npm ERR! network This is a problem related to network connectivity.
npm ERR! network In most cases you are behind a proxy or have bad network settings.
npm ERR! network
npm ERR! network If you are behind a proxy, please make sure that the
npm ERR! network 'proxy' config is set properly.  See: 'npm help config'

npm ERR! A complete log of this run can be found in:
npm ERR!     /Users/wfp/.npm/_logs/2019-10-04T07_34_44_539Z-debug.log
→ webpack-demo npm install html-webpack-plugin -D --registry=https://registry.npm.t
aobao.org
npm WARN webpack-demo@1.0.0 No description
npm WARN webpack-demo@1.0.0 No repository field.

+ html-webpack-plugin@3.2.0
added 55 packages from 71 contributors in 9.886s
→ webpack-demo npm install webpack-dev-server -D html-webpack-plugin
```
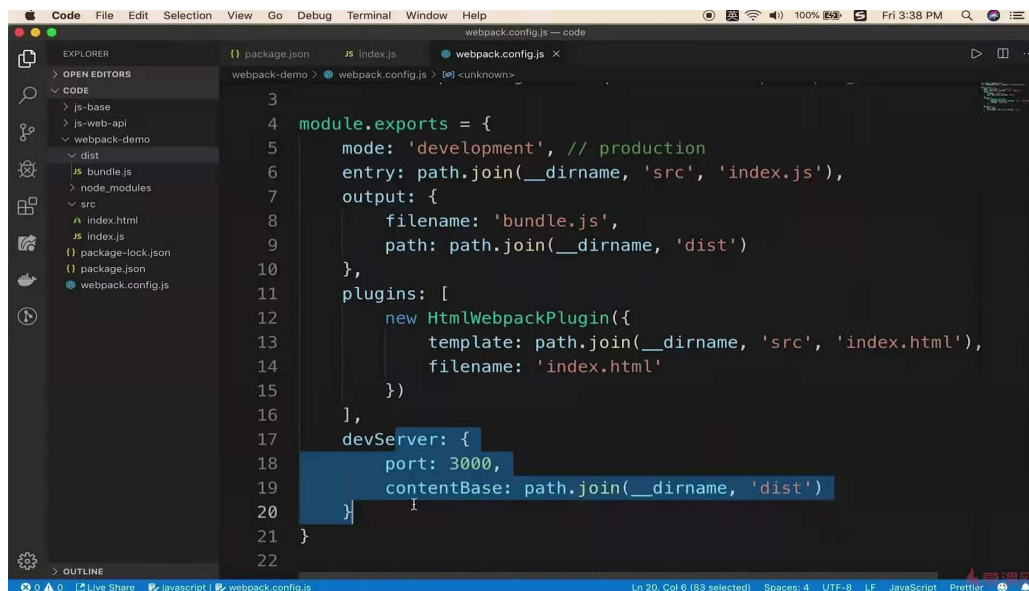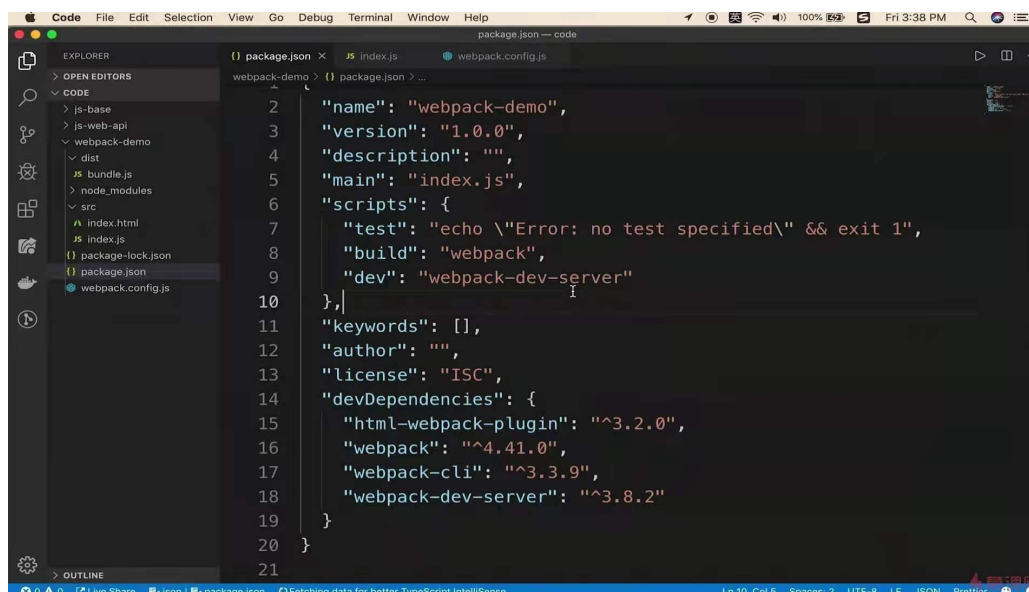
EXPLORER

OPEN EDITORS

CODE
> js-base
> js-web-api
∨ webpack-demo
  ∨ dist
    bundle.js
  > node_modules
  ∨ src
    index.html
    index.js
  {} package-lock.json
  {} package.json
  webpack.config.js

package.json ×   index.js   webpack.config.js

webpack-demo > {} package.json > {} scripts

```
 3     "version": "1.0.0",
 4     "description": "",
 5     "main": "index.js",
 6     "scripts": {
 7       "test": "echo \"Error: no test specified\" && exit 1",
 8       "build": "webpack"
 9     },
10     "keywords": [],
11     "author": "",
12     "license": "ISC",
13     "devDependencies": {
14       "html-webpack-plugin": "^3.2.0",
15       "webpack": "^4.41.0",
16       "webpack-cli": "^3.3.9",
17       "webpack-dev-server": "^3.8.2"
18     }
19   }
20
```

OUTLINE

⊗ 0 ⚠ 0   Live Share   json   package.json   Ln 14, Col 11 (5 selected)   Spaces: 2   UTF-8   LF   JSON   Prettier

Screen 1:

```
const path = require('path')
const HtmlWebpackPlugin = require('html-webpack-plugin')

module.exports = {
    mode: 'development', // production
    entry: path.join(__dirname, 'src', 'index.js'),
    output: {
        filename: 'bundle.js',
        path: path.join(__dirname, 'dist')
    },
    plugins: [
        new HtmlWebpackPlugin({
            template: path.join(__dirname, 'src', 'index.html'),
            filename: 'index.html'
        })
    ],
    devS
```
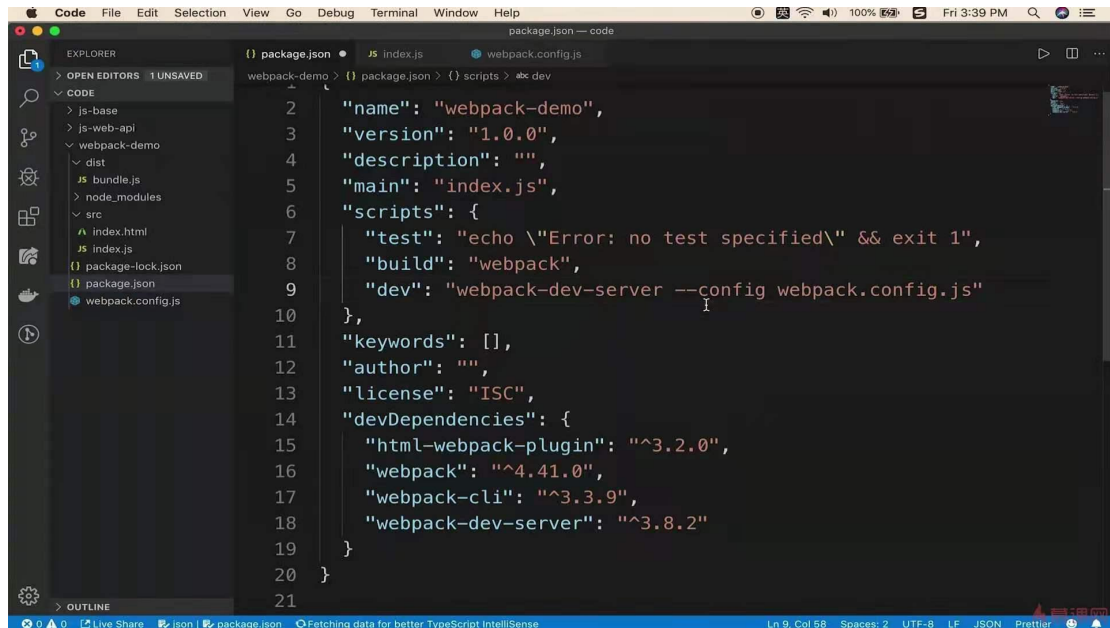
Screen 2:

```
module.exports = {
    mode: 'development', // production
    entry: path.join(__dirname, 'src', 'index.js'),
    output: {
        filename: 'bundle.js',
        path: path.join(__dirname, 'dist')
    },
    plugins: [
        new HtmlWebpackPlugin({
            template: path.join(__dirname, 'src', 'index.html'),
            filename: 'index.html'
        })
    ],
    devServer: {
        port: 3000,
        contentBase: path.join(__dirname, 'dist')
    }
}
```

Screen 3:

```
    "name": "webpack-demo",
    "version": "1.0.0",
    "description": "",
    "main": "index.js",
    "scripts": {
        "test": "echo \"Error: no test specified\" && exit 1",
        "build": "webpack",
        "dev": "webpack-dev-server"
    },
    "keywords": [],
    "author": "",
    "license": "ISC",
    "devDependencies": {
        "html-webpack-plugin": "^3.2.0",
        "webpack": "^4.41.0",
        "webpack-cli": "^3.3.9",
        "webpack-dev-server": "^3.8.2"
    }
}
```

linux 命令

◆ 公司的线上机器一般都是 linux（参考阿里云）

◆ 测试机也需要保持一致，用 linux

◆ 测试机或者线上机出了问题，本地又不能复现，需要去排查