

Webpack

Wednesday, March 16, 2022 4:51 PM

```

JS delay.js JS prime.js JS test.js JS app.js {} package.json U X <> index.html
{} package.json > ...
1 {
2   "name": "module-test",
3   "version": "1.0.0",
4   "description": "",
5   "main": "index.js",
6   "scripts": {
7     "test": "echo \"Error: no test specified\" && exit 1"
8   },
9   "keywords": [],
10  "author": "",
11  "license": "ISC",
12  "devDependencies": {
13    "webpack": "^5.70.0",
14    "webpack-cli": "^4.9.2"
15  }
16 }
17

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
D:\MyWorks\Corporate\202203-infogain-react\module-test>npm install --save-dev webpack webpack-cli
added 120 packages, and audited 121 packages in 18s
17 packages are looking for funding
  run `npm fund` for details
found 0 vulnerabilities

```

The diagram illustrates the Webpack configuration structure. It shows a project folder containing a **src** folder (source files) and a **dist** folder (output bundle). The **src** folder contains files like **.HTML**, **index**, and **.JS**. The **dist** folder is where Webpack generates the production bundle.

Webpack.config.js code snippets:

```

const path = require('path');

module.exports = {
  entry: path.join(__dirname, 'src', 'index.js'),
  output: {
    path: path.resolve(__dirname, 'dist')
  }
}

```

- Full path of my project folder
- Src
- Index.js
 - Main file for my project
- Where should we save the bundle

Project root. All development time and runtime files includes configurations.

Webpack Plugins

```
$ npm install --save-dev html-webpack-plugin
```

- There is a number of plugins that can be installed separately to work for webpack
- Here we want a plugin to automatically
 - Move our index.html to dist
 - Inject script tags in index.html for

▶ inject script tag in index.html for
main.js