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Ejemplo 2: Webpack DevServer

Objetivo

Instalar y configurar webpack dev server

Requisitos

Continuar con el código del ejemplo 1

Desarrollo

Webpack Dev Server nos puede ahorrar tiempo de desarrollo. Cada vez que guardemos algún cambio en nuestro código webpack automáticamente creará un bundle y abrirá nuestra aplicación en el navegador. Así no tenemos que generar el build manualmente cada vez que hagamos cambios.

Empecemos instalando la librería.

```
npm install --save-dev webpack-dev-server
```

En nuestro archivo de configuración de webpack vamos a agregar la propiedad `devServer` .

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

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

Con la propiedad `contentBase` le decimos a webpack qué carpeta queremos que use al iniciar el servidor local. Recuerda que `src` es nuestro código fuente, es aquí donde desarrollamos la aplicación. La carpeta `dist` es código final para distribución.

Lo siguiente es agregar un nuevo script en `package.json` que usaremos para iniciar webpack dev server.

```
"scripts": {
  "start": "webpack serve --mode development --open",
  "build": "webpack --mode production"
}
```

La opción `--open` es para abrir el HTML inmediatamente. Ahora podemos ejecutar `npm run start` para iniciar un servidor local con webpack. Cualquier cambio que se haga al código generará un nuevo bundle y actualizará el navegador automáticamente.

Webpack Setup

```
> webpack-dev-server --mode development --open

Browsers: Project is running at http://localhost:8080/
Browsers: webpack output is served from /
Browsers: Content not from webpack is served from ./dist
Browsers: wait until bundle finished: /
Browsers: Hash: 45deb8f0a85e32d109d
Version: webpack 4.43.0
Time: 719ms
Built at: 2020-07-13 13:11:50
    Asset      Size  Chunks             Chunk Names
bundle.js    375 KiB       0  [emitted]  main
index.html   195 bytes       0  [emitted]
Entrypoint main = bundle.js
[0] multi (webpack)-dev-server/client?http://localhost:8080 ./src/index.js 40 bytes {main} [built]
  [./node_modules/ansi-html/index.js] 4.16 KiB {main} [built]
  [./node_modules/css-loader/dist/cjs.js!./src/app.css] 310 bytes {main} [built]
  [./node_modules/webpack-dev-server/client/index.js?http://localhost:8080] (webpack)-dev-server/client?http://localhos
t:8080 4.29 KiB {main} [built]
  [./node_modules/webpack-dev-server/client/overlay.js] (webpack)-dev-server/client/overlay.js 3.51 KiB {main} [built]
  [./node_modules/webpack-dev-server/client/socket.js] (webpack)-dev-server/client/socket.js 1.53 KiB {main} [built]
  [./node_modules/webpack-dev-server/client/utils/createSocketUrl.js] (webpack)-dev-server/client/utils/createSocketUrl
.js 2.91 KiB {main} [built]
  [./node_modules/webpack-dev-server/client/utils/log.js] (webpack)-dev-server/client/utils/log.js 964 bytes {main} [bu
ilt]
  [./node_modules/webpack-dev-server/client/utils/reloadApp.js] (webpack)-dev-server/client/utils/reloadApp.js 1.59 KiB
 {main} [built]
  [./node_modules/webpack-dev-server/client/utils/sendMessage.js] (webpack)-dev-server/client/utils/sendMessage.js 402
 bytes {main} [built]
  [./node_modules/webpack-dev-server/node_modules/strip-ansi/index.js] (webpack)-dev-server/node_modules/strip-ansi/ind
ex.js 161 bytes {main} [built]
  [./node_modules/webpack/hot sync ^\\.\\.log$] (webpack)/hot sync nonrecursive ^\\.\\.log$ 170 bytes {main} [built]
  [./src/app.css] 517 bytes {main} [built]
  [./src/index.js] 90 bytes {main} [built]
  [./src/util.js] 37 bytes {main} [built]
  + 23 hidden modules
Child HtmlWebpackCompiler:
  1 asset
Entrypoint HtmlWebpackPlugin_0 = __child-HtmlWebpackPlugin_0
  [./node_modules/html-webpack-plugin/lib/loader.js!./src/index.html] 421 bytes [HtmlWebpackPlugin_0] [built]
Browsers: Compiled successfully.
```