



Overview created to hand

- Webpack was created to handle the problem of bundling various assets.
- Actually a pipeline/plugin processor.
- Identifies dependencies, converts all assets to JavaScript using loaders, applies plugins at various stages.
- Processing defined by configuration file (or command line, but why?)
- Config file is a Node.js input file that exports a configuration object.

Basic Tools node/npm (https://nodejs.org/en/) webpack (e.g. npm install webpack --saveDev) webpack-merge webpack-dev-server webpack-dev-middleware

Configuration

- context: points to source file root, defaults to CWD.
- target: tells webpack which of its internal plugins to load, defaults to 'web' which is what is used most often.
- entry: defines the root(s) of dependency trees.
- output: defines where the bundles will be written.
- resolve: tells webpack what to look for and where.
- module: contains values pertinent to the build, most notably loaders.
- plugins: defines additional processing pieces applied at various times during the build.
- devServer: sets properties for webpack-dev-server cli when it is run instead of the webpack cli.

Loaders · Loaders convert non-JavaScript assets such as css, images and fonts to JavaScript. Common Loaders: - css-loader - style-loader - scss-loader - babel-loader - file-loader url-loader

Plugins Common Plugins: - html-webpack-plugin - webpack.ProvidePlugin extract-text-webpack-plugin - clean-webpack-plugin copy-webpack-plugin npm-install-webpack-plugin

