webpack JS module bundler

CONCEPTS

Webpack starts at the entry, follows imports, runs loaders per file type and plugins over the result.

Entry ./src/index.js
↓ imports
Loaders module.rules
↓ graph
Plugins whole bundle
↓ emit
Output dist/

Install webpack-cli next to webpack; the webpack command comes from the CLI package.

COMMANDS

`npx webpack [entries...]`
Build (default command)

`npx webpack build`
Build, explicit form

`npx webpack watch`
Build and rebuild on changes

`npx webpack serve`
Run webpack-dev-server

`npx webpack configtest [path]`
Validate a config file

`npx webpack info`
Show system and package info

`npx webpack version`
Show webpack, CLI, dev-server versions

`npx webpack help [cmd]`
Help for a command or option

`npx create-webpack-app [dir]`
Scaffold a new project

BUILD OPTIONS

`--mode` *`<mode>`*
development, production or none

`-c, --config` *`<file>`*
Use this config file

BUILD OPTIONS (cont.)

`--entry` *`<path>`*
Add an entry point

`-o, --output-path` *`<dir>`*
Output directory

`-t, --target` *`<target>`*
Build target, e.g. web or node

`-d, --devtool` *`<type>`*
Source map style

`--no-devtool`
Disable source maps

`-w, --watch`
Watch for changes

CONFIG AND ENV

`--env` *`<key>`*`[=`*`<value>`*`]`
Pass env to a function config

`--config-node-env` *`<env>`*
Set process.env.NODE_ENV

`--config-name` *`<name>`*
Run only the named config

OUTPUT AND ANALYSIS

`--stats` *`<preset>`*
Stats output detail

`--json [file]`
Print or write stats as JSON

`--analyze`
Open webpack-bundle-analyzer

`--progress[=profile]`
Show progress, optionally profile

DEV SERVER

`npx webpack serve --open`
Serve and open the browser

`npx webpack serve --static` *`<dir>`*
Serve static files from a dir

`npx webpack serve --mode development`
Serve in development mode