Parcel Zero-config bundler

CONCEPTS

Zero config: point Parcel at an entry (usually an HTML file) and it follows script, style and image references itself. serve is the default command.

Entry index.html or source field
↓ parcel
Dev server localhost:1234, HMR
↓ parcel build
dist/ minified, hashed files
↓ parcel watch
Watch rebuild, no HTTP server

The cache lives in .parcel-cache; add it and dist to .gitignore. When output looks stale or odd, delete the cache or pass --no-cache.

DEV SERVER

parcel *<entry>*
Start the dev server (same as parcel serve)

parcel serve *<entry>*
Explicit form of the dev server

parcel --port *<port>*
Set the port (default 1234 or $PORT)

parcel --host *<host>*
Listen on one host instead of all

parcel --open [browser]
Open the entry in a browser

parcel --https
Serve dev and HMR over HTTPS

parcel --cert *<file>* **--key** *<file>*
Use your own HTTPS certificate

parcel --no-hmr
Turn off hot reloading

parcel --lazy
Build only bundles the browser requests

parcel --hmr-port *<port>*
Run the HMR socket on another port

parcel --no-autoinstall
Do not auto-install missing packages

WATCH

parcel watch *<entry>*
Rebuild on change, no HTTP server

BUILD

parcel build *<entry>*
One production build, then exit

parcel build 'src/*.html'
Build many entries by glob (quote it)

parcel build
Use the source field of package.json

parcel build --no-optimize
Skip minification and optimizations

parcel build --no-scope-hoist
Disable scope hoisting

parcel build --no-content-hash
Keep names free of content hashes

parcel build --detailed-report [n]
List the n largest assets per bundle

parcel build --no-source-maps
Do not emit source maps

OUTPUT AND TARGETS

--dist-dir *<dir>*
Output folder (default dist)

--public-url *<url>*
Prefix for absolute URLs in output

--target *<name>*
Build only the named target

package.json fields

Field	Purpose
`source`	Default entry file(s)
`main`	Library output path (CommonJS)
`module`	Library output path (ES module)
`browserslist`	Browsers to support
`targets`	Per-target dist, publicUrl, options

--dist-dir and --public-url only apply where a target does not set its own distDir or publicUrl.

CACHE AND DIAGNOSTICS

--no-cache
Do not read from the cache

--cache-dir *<path>*
Move the cache (default .parcel-cache)

--log-level *<level>*
none, error, warn, info or verbose

--config *<path>*
Use another Parcel config or package

--reporter *<pkg>*
Add a reporter plugin (repeatable)

parcel --version
Print the Parcel version

CONFIG FILES

Minimal .parcelrc

```
{
  "extends": "@parcel/config-default",
  "transformers": { "*.svg": ["@parcel/transformer-svg-react"] }
}
```

Targets in package.json

```
"source": "src/index.html",
"targets": {
  "default": { "distDir": "./public", "publicUrl": "/app" }
}
```

RECIPES

Scripts in package.json

```
"scripts": {
  "start": "parcel src/index.html",
  "build": "parcel build src/index.html"
}
```

Static site for a sub-path

```
rm -rf dist .parcel-cache
npx parcel build src/index.html \
  --public-url /docs/ --dist-dir site
```

Library build with watch

```
# package.json: "source", "main", "module"
npx parcel watch
npx parcel build --no-optimize
```

Test on a phone over HTTPS

```
npx parcel src/index.html --https --host 0.0.0.0
```