



BROCCOLI

Eat Your Greens

A beginners guide to Broccoli.js

Asset pipeline
for ambitious application

Broccoli.js explained

Broccoli.js is a file-system abstraction for transformations of input files into output files.

Internally, Broccoli.js represents transformations as nodes and plugins, and uses these to construct a build tree or graph.

Broccoli handles connecting these nodes and plugins together and handles passing files between each state.

Broccoli.js explained - glossary

- Nodes

Snapshot of the filesystem, with inputs and and output

- Plugins

Process nodes, emit files to an output directory

- Trees

A collection of nodes & plugins

Broccoli.js explained - glossary

•Nodes

Snapshot of the filesystem, come in 2 flavors.

Source Nodes

- Map to a “source” directory
- Can be watched / unwatched
- Can trigger a rebuild

Transform Nodes

- Take node(s) as input
- Cacheable
- Persistable

Broccoli.js explained - glossary

• Plugins

Process nodes, emit files to an output directory

- Building blocks of broccoli, perform the actual work
- Plugins are the API that user-land code typically uses.
- Accept either source or transform nodes.
- Typically wrap a node package to do some form of transformation.

Broccoli.js explained - glossary

• Trees

A collection of nodes & plugins

- Trees represent a full transformation pipeline from “source” input nodes, through plugins, into output nodes
- Trees are created and manipulated by you, in your Brocfile.js, and composed and split as you desire
- You can think of a “tree” like a directory structure

Example pipeline



source directory

contents



app.js



components / foo.js



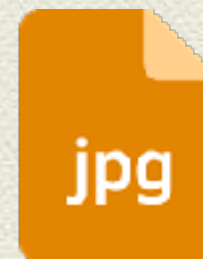
components / bar.js



... *.js



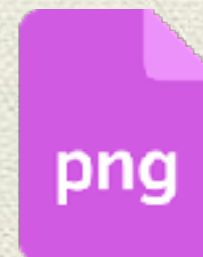
styles / app.scss



public / header.jpg



index.html



public / logo.png



source node

broccoli-
filter



broccoli-
eslint



broccoli-
scsslint



broccoli-
rollup



broccoli-
babel-
transpiler



broccoli-merge-trees



broccoli-
sass



broccoli-
autoprefixer



output directory

contents



app.js



assets/header.jpg



app.css



assets/logo.png



index.html

