

WEBPACK

Dependency Graph

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In modular programming, developers break programs up into discrete chunks of functionality called a **module**.

Webpack modules can express their dependencies in a variety of ways. The most popular among them are:

- ES6 `import` syntax
- CommonJS `require()` syntax

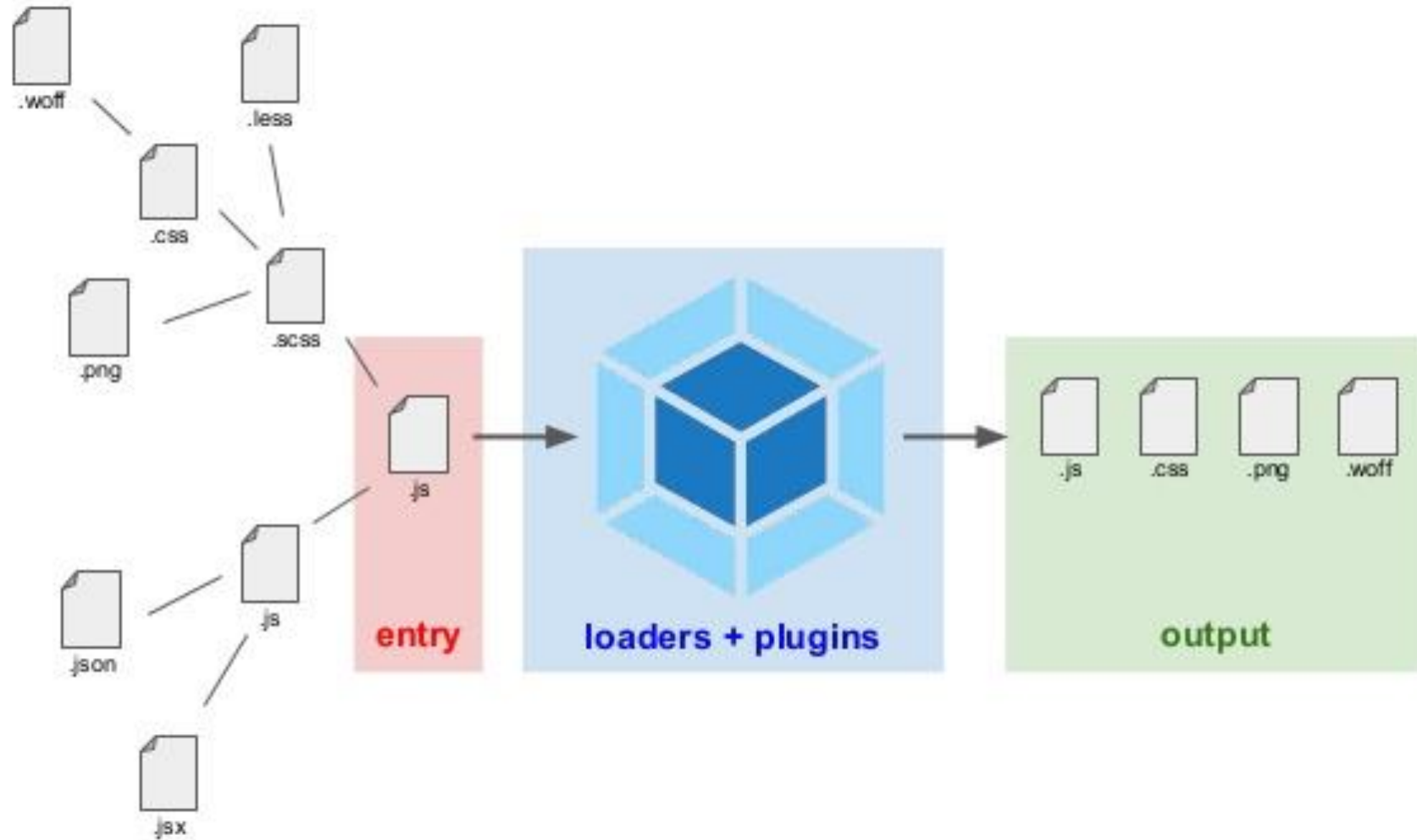
While building front-end apps, most common approach to modules is ES6 (ECMA2015) `import` statement.

Any time one file depends on another,
webpack treats this as a dependency.

From webpack point of view, every source code file(JS, CSS, Image, web font etc.) is a module.

When webpack processes your application, it starts from a list of modules (entry points) defined on the command line or in its config file.

Starting from the entry points, webpack recursively builds a **dependency graph** that includes every module the application needs, then packages all of those modules into a small number of bundles - often, just one - to be loaded by the browser.



END OF CHAPTER

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APPENDIX