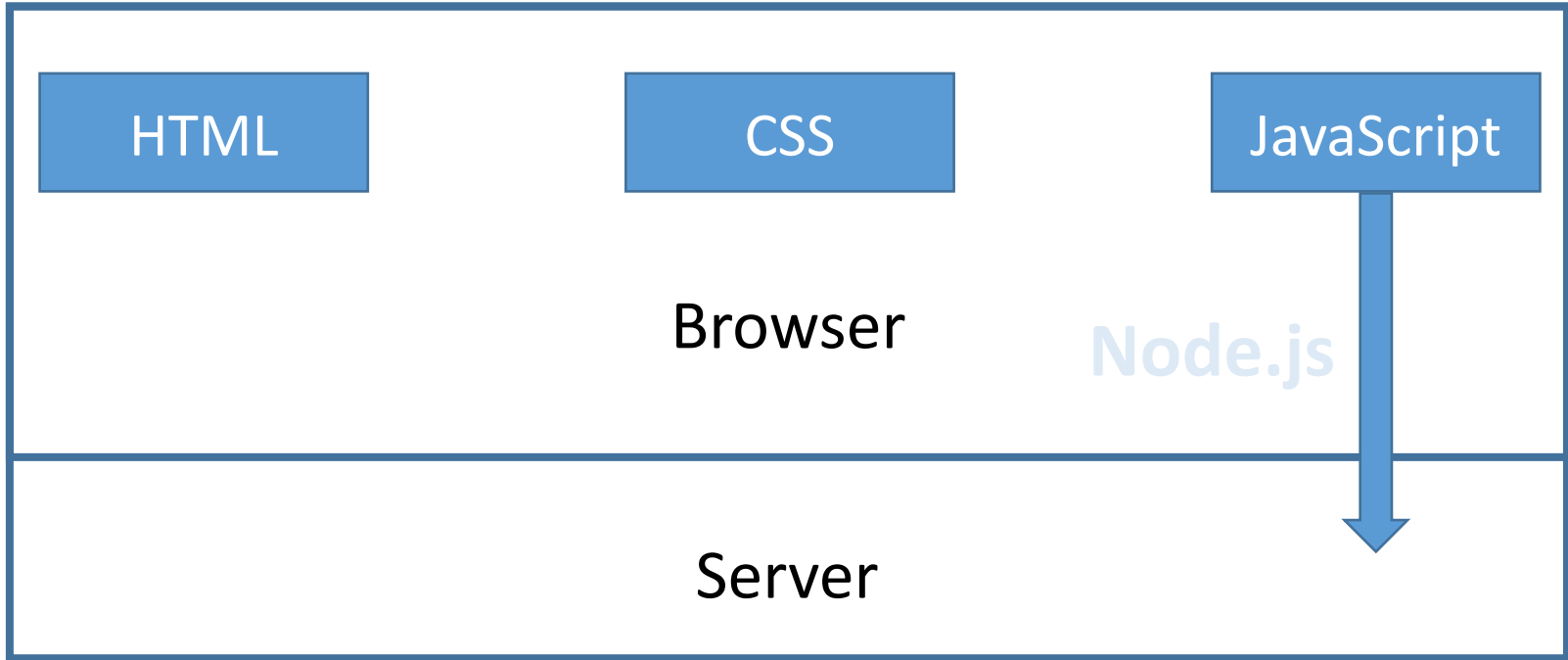


Web Overview

GeekPlux

2017.06.08

Beginning



Node.js



- JavaScript runtime
- Built on Chrome's V8 JavaScript engine
- Event-driven, non-blocking I/O model
- npm package ecosystem

largest ecosystem of open source libraries in the world.

<https://www.npmjs.com/>

npm

package manager

Package.json

- Run ***npm init*** in your terminal
- Create a config file called package.json

```
{  
  "name": "my package name",  
  "version": "1.0.0",  
  "description": "this is a package and I'll publish it to npm eco"  
  ...  
}
```

Import a package

Previous

- Download it
- `<script>` in HTML

Now

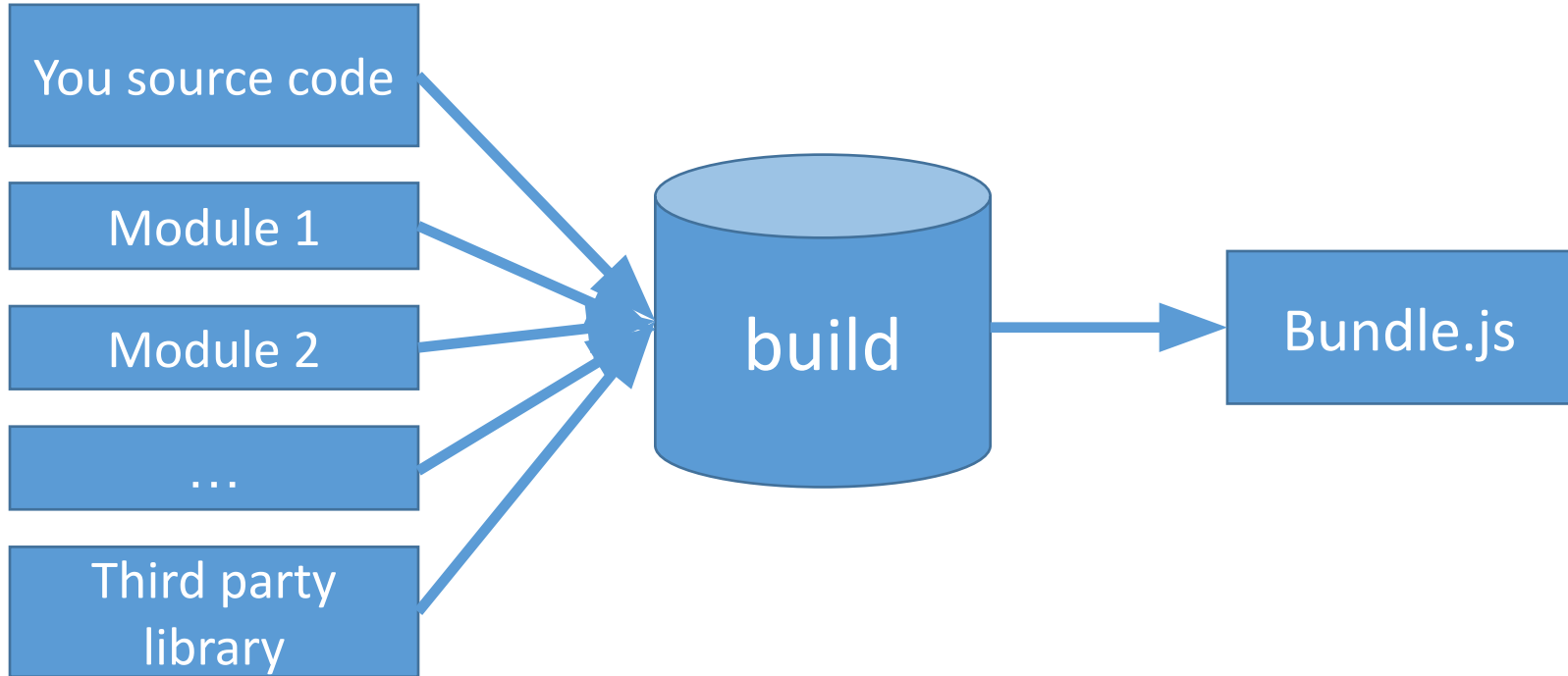
- Run command in you root directory
- ***npm install --save***
- Import in JS file

Build Process

Why need to build

- Compress files size
- Uglify source code
- Automatically test during development

Build process



Build process

preprocess

- Syntax check

lint

- Code style

uglify

- Link file and compress

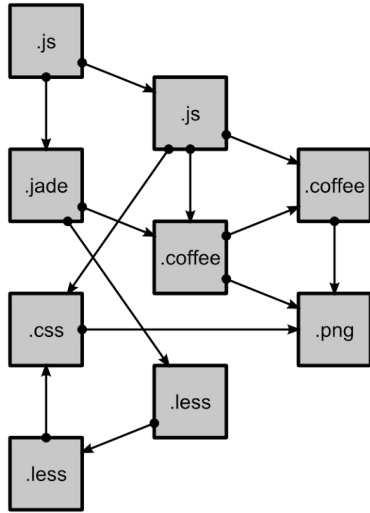
Build tools

- makefile
- Grunt
- Gulp
- Webpack
- rollup

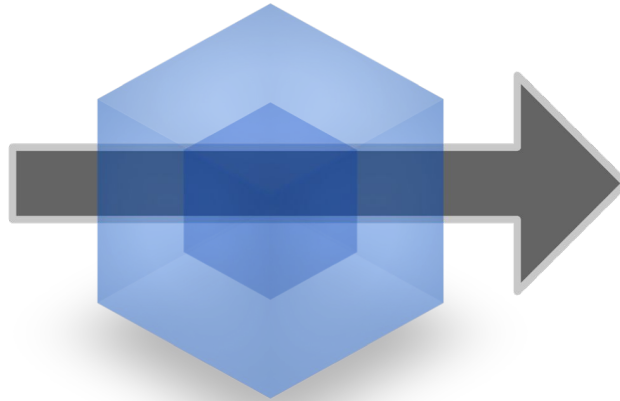
Webpack

Module bundler

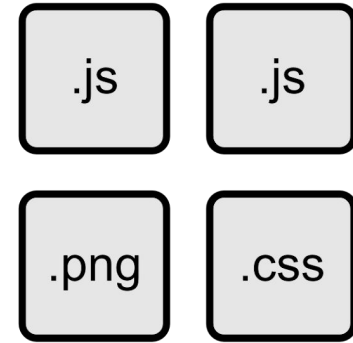
Webpack



modules
with dependencies



webpack
MODULE BUNDLER

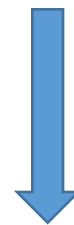


static
assets

Webpack

```
module.exports = {  
  entry: './app.js',  
  output: {  
    filename: 'bundle.js'  
  }  
}
```

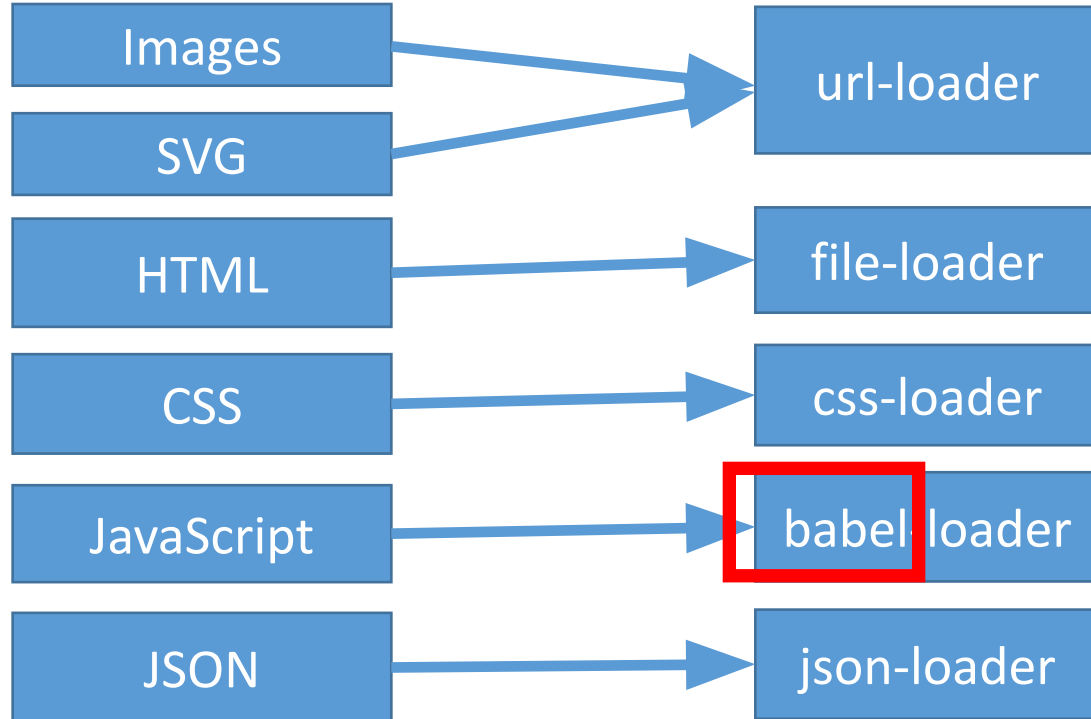
Entry



loaders

output

Webpack - loaders



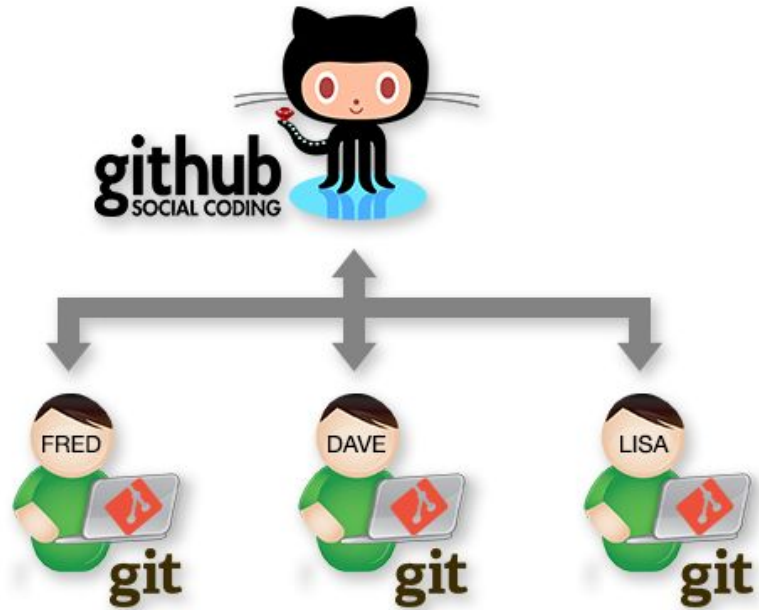
GitHub

GitHub is home to the world's **largest** community of developers and their projects.



What is Git

- **Git** is a free and open source distributed **version control** system
- <http://rogerdudler.github.io/git-guide/>



What can find on GitHub

- Source code
- Documents
- Guide & tutorial