

PACKAGE MANAGERS & BUILD TOOLS

PACKAGE MANAGERS

JS NPM

JS Bower

JS Yarn



yarn

- 🐱 Facebook (+Google +...)
- 🐱 October 2016 (npm4)
- 🐱 has nice cache
- 🐱 yarn.lock



Demo

LEFT-PAD

```
1  module.exports = leftpad;
2  function leftpad (str, len, ch) {
3      str = String(str);
4      var i = -1;
5      if (!ch && ch !== 0) ch = ' ';
6      len = len - str.length;
7      while (++i < len) {
8          str = ch + str;
9      }
10     return str;
11 }
```

npn



 NPM5

 Package-lock.json

 Cache



npm is flexible

npm isn't smart

npm isn't Swiss Army knife?

npm people do not know about features

Demo

RESOURCES

 docs.npmjs.com/misc/scripts

 prgssr.ru/development/pochemu-npm-skripty.html



webpack

IT'S THAT SIMPLE

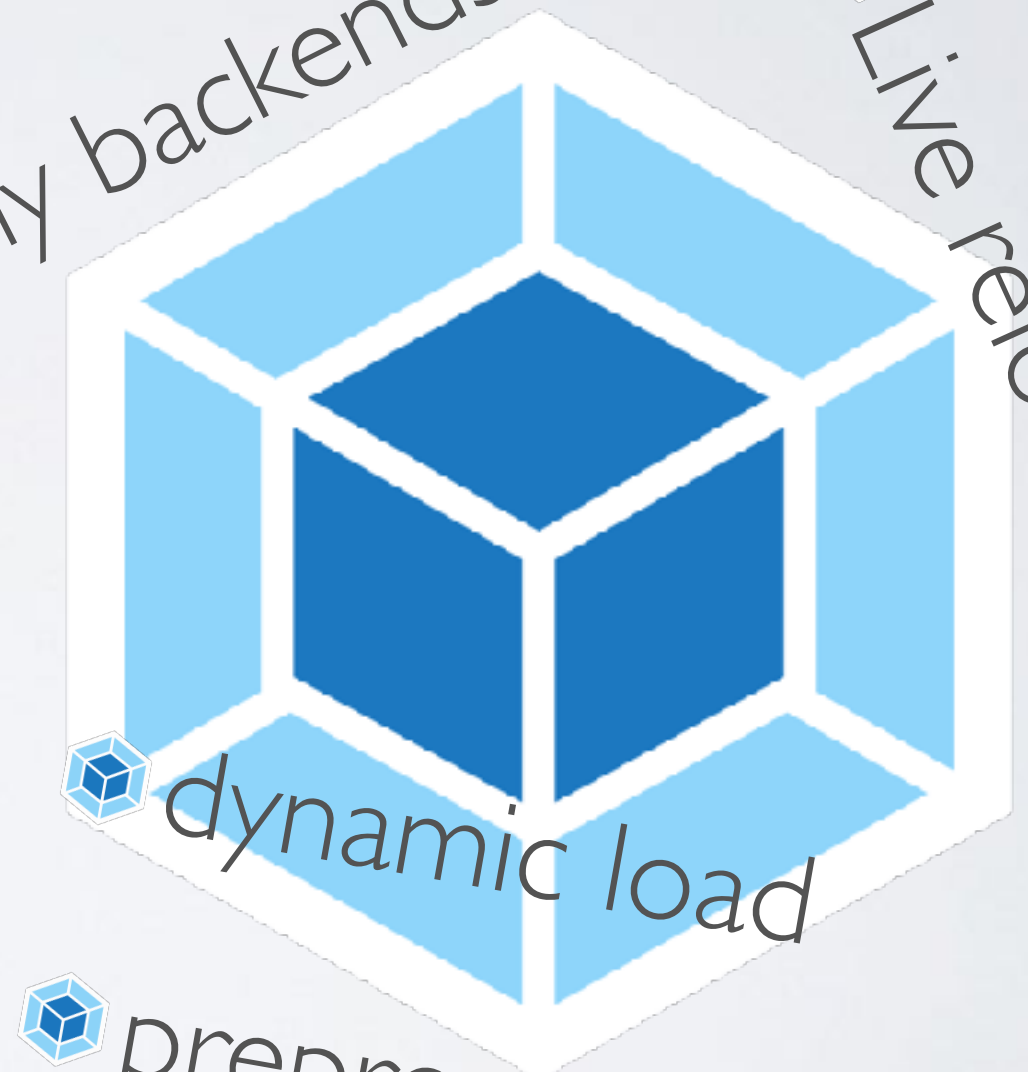
Tree-shaking

AMD

UMD

many backends

Live reload



is smart

is very smart

is Swiss Army knife

is complex

has community

preprocessors

Demo

RESOURCES



webpack.js.org/configuration



learn.javascript.ru/screencast/webpack

Thanks

github.com/slawiko/build-tools-lecture