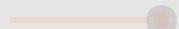


npm & Node as a Build Tool

Beyond Node Web Servers



Two for the Price of One

Node.js

npm

Execute Code

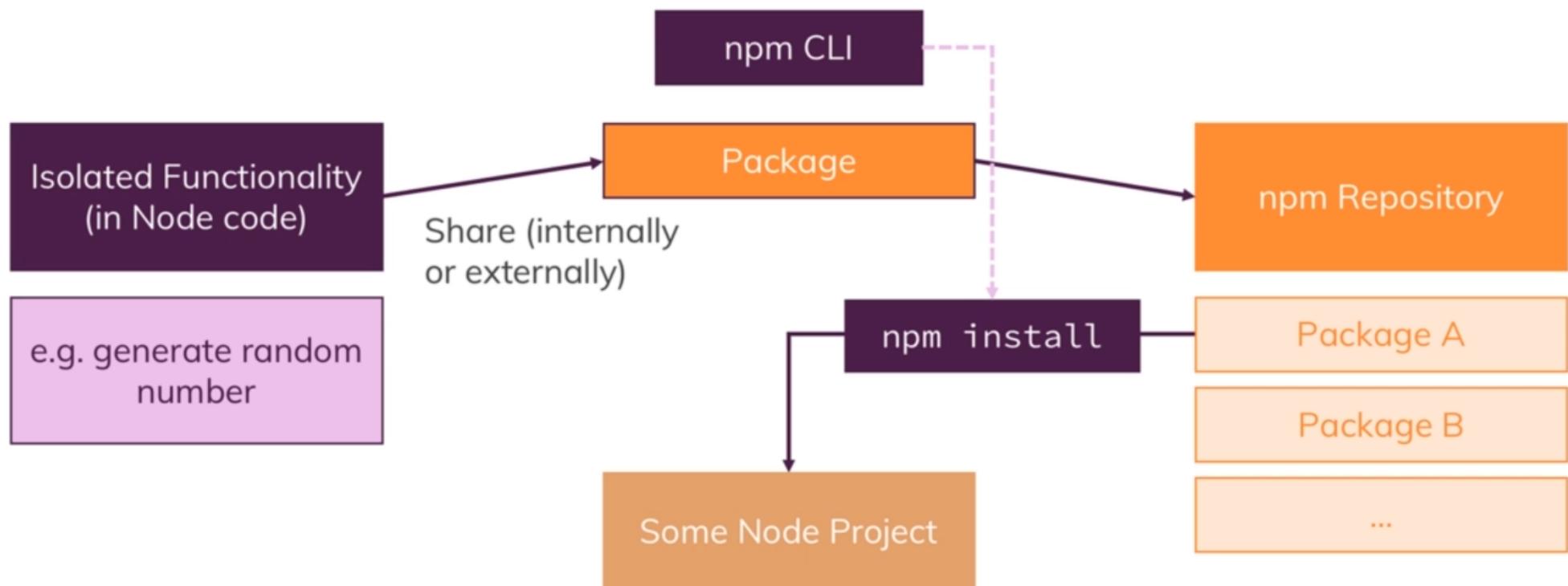
Manage Packages

Interact with Files

Run Scripts

Understanding npm

Node Package Manager





Search packages

express

4.16.4 • Public • Published 12 days ago

[Readme](#)[30 Dependencies](#)[27,856 Dependents](#)[260 Versions](#)

Tip: Click on a version number to view a previous version's package page

Current Tags

4.16.4

latest

Version History

 show deprecated versions

4.16.4

12 days ago

4.16.3

7 months ago

4.16.2

a year ago

4.16.1

a year ago

4.16.0

a year ago

5.0.0-alpha.6

a year ago

4.15.5

a year ago

4.15.4

a year ago

install

> npm i express

weekly downloads

5,329,305



version

4.16.4

license

MIT

open issues

119

pull requests

53

homepage

expressjs.com

repository

github

last publish

12 days ago

collaborators

What is a “Build Tool”? And Why?

Primarily important in frontend development!

Unoptimized but manageable Code

```
const copy = (arr) =>
{
  return [...arr];
}
```

Next-gen Features

```
const copy = (arr) =>
{
  return [...arr];
}
```

Optimized Code

```
var a = function(b)
{return b.slice()}
```

NODEJS-COMPLETE-GUIDE-RE...
↳ .vscode
↳ build ←
↳ node_modules
↳ public
↳ src
↳ components
↳ pages
↳ util
↳ App.css
↳ App.js
↳ index.css
↳ index.js
↳ .gitignore
↳ package-lock.json
↳ package.json
↳ README.md

1 import React, { Component, Fragment } from 'react';
2 import { Route, Switch, Redirect, withRouter } from 'react-router-dom';
3 import Layout from './components/Layout/Layout';
4 import Backdrop from './components/Backdrop/Backdrop';
5 import Toolbar from './components/Toolbar/Toolbar';
6 import MainNavigation from './components/Navigation/MainNavigation/MainNavigation';
7 import MobileNavigation from './components/Navigation/MobileNavigation/MobileNavigation';
8 import ErrorHandler from './components/ErrorHandler/ErrorHandler';
9 import FeedPage from './pages/Feed/Feed';
10 import SinglePostPage from './pages/Feed/SinglePost/SinglePost';
11 import LoginPage from './pages/Auth/Login';
12 import SignupPage from './pages/Auth/Signup';
13 import './App.css';
14
15 class App extends Component {
16 state = {
17 showBackdrop: false,
18 showMobileNav: false
19 }
20 }

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node + □ ^ □ ×

Maximilians-MBP:nodejs-complete-guide-rest-frontend mschwarzmueller\$ npm run build

> node-complete-social-network-prep@0.1.0 build /Users/mschwarzmueller/development/teaching/udemy/nodejs-complete-guide-rest-frontend
> react-scripts build

- NODEJS-COMPLETE-GUIDE-RE...
 - > .vscode
 - > build
 - > node_modules
 - > public
 - src
 - > components
 - > pages
 - > util
 - App.css
 - App.js
 - index.css
 - index.js
 - .gitignore
 - package-lock.json
 - package.json
 - README.md

```
1 import React, { Component, Fragment } from 'react';
2 import { Route, Switch, Redirect, withRouter } from 'react-router-dom';
3
4 import Layout from './components/Layout/Layout';
5 import Backdrop from './components/Backdrop/Backdrop';
6 import Toolbar from './components/Toolbar/Toolbar';
7 import MainNavigation from './components/Navigation/MainNavigation/MainNavigation';
8 import MobileNavigation from './components/Navigation/MobileNavigation/MobileNavigation';
9 import ErrorHandler from './components/ErrorHandler/ErrorHandler';
10 import FeedPage from './pages/Feed/Feed';
11 import SinglePostPage from './pages/Feed/SinglePost/SinglePost';
12 import LoginPage from './pages/Auth/Login';
13 import SignupPage from './pages/Auth/Signup';
14 import './App.css';
15
16 class App extends Component {
17   state = {
18     showBackdrop: false,
19     showMobileNav: false
20   }
21 }
```

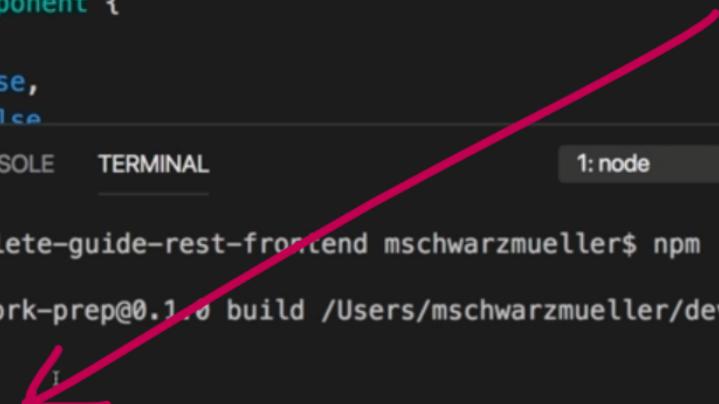
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: node

+ □ ^ □ ×

Maximilians-MBP:nodejs-complete-guide-rest-frontend mschwarzmueller\$ npm run build

> node-complete-social-network-prep@0.1.0 build /Users/mschwarzmueller/development/teaching/udemy/nodejs-complete-guide-rest-frontend
> react-scripts build



Creating an optimized production build...

NODEJS-COMPLETE-GUIDE-RE...
↳ .vscode
↳ build ←
↳ static
↳ ↳ css
↳ ↳ js
↳ ↳ 1.b605e024.ch...
↳ ↳ 1.b605e024.ch...
↳ ↳ main.5cc... 9+
↳ ↳ main.5cc61a86....
↳ ↳ runtime~main.2...
↳ ↳ runtime~main.2...
{} asset-manifest.json
★ favicon.ico
index.html
{} manifest.json
js precache-manifest....
js service-worker.js
↳ node_modules
↳ public
↳ src
↳ ↳ components
↳ ↳ pages
↳ OUTLINE

image: `http://localhost:8080\${e.data.post.imageUrl}, date: new Date(e.data.post.createdAt).toLocaleDateString("en-US"), content: e.data.post.content}}).catch(function(t){console.log(t)})}, {key: "render", value: function(){return o.a.createElement("section", {className: "single-post__list"}, o.a.createElement("h1", null, this.state.title), o.a.createElement("h2", null, "Created by ", this.state.author, " on ", this.state.date), o.a.createElement("div", {className: "single-post__image"}, o.a.createElement(\$, {contain: !0, imageUrl: this.state.image})), o.a.createElement("p", null, this.state.content))})}], e}(n.Component)), G=(a(67), function(t){return o.a.createElement("section", {className: "auth-form"}, t.children)}), K=function(t){function e(){var t,a;Object(s.a)(this,e);for(var n=arguments.length,o=new Array(n),r=0;r<n;r++)o[r]=arguments[r];return(a=Object(u.a)(this),(t=Object(d.a)(e)).call.apply(t,[this].concat(o))).state={loginForm:{email:{value:"", valid:!1, touched:!1, validators:[x,q]}, password:{value:"", valid:!1, touched:!1, validators:[x,D({min:5})]}, formIsValid:!1}}, a.inputChangeHandler=function(t,e){a.setState(function(a){var n=!0,o=!0,r=!1,i=void 0;try{for(var l,s=a.loginForm[t].validators[Symbol.iterator]();!(o=(l=s.next()).done);o=!0){var c=l.value;n=n&&c(e)}}catch(h){r=!0,i=h}finally{try{o||null==s.return||s.return()}finally{if(r)throw i}}var u=Object(_.a)({},a.loginForm, Object(L.a)({}),t, Object(_.a)({},a.loginForm[t],{valid:n,value:e})),d=!0;for(var m in u)d=d&&u[m].valid;return{loginForm:u,formIsValid:d}}}), a.inputBlurHandler=function(t){a.setState(function(e){return{loginForm:Object(_.a)({},e.loginForm[t],{touched:!0}))}})},a}return Object

PROBLEMS 69 OUTPUT DEBUG CONSOLE TERMINAL

1: bash + □ ^ □ ×

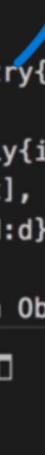
```
npm install -g serve
serve -s build
```

Find out more about deployment here:

<http://bit.ly/CRA-deploy>

Maximilians-MBP:nodejs-complete-guide-rest-frontend mschwarzmueller\$

Optimized & Condensed Code for the whole project.



Logic that can run in older browser too