

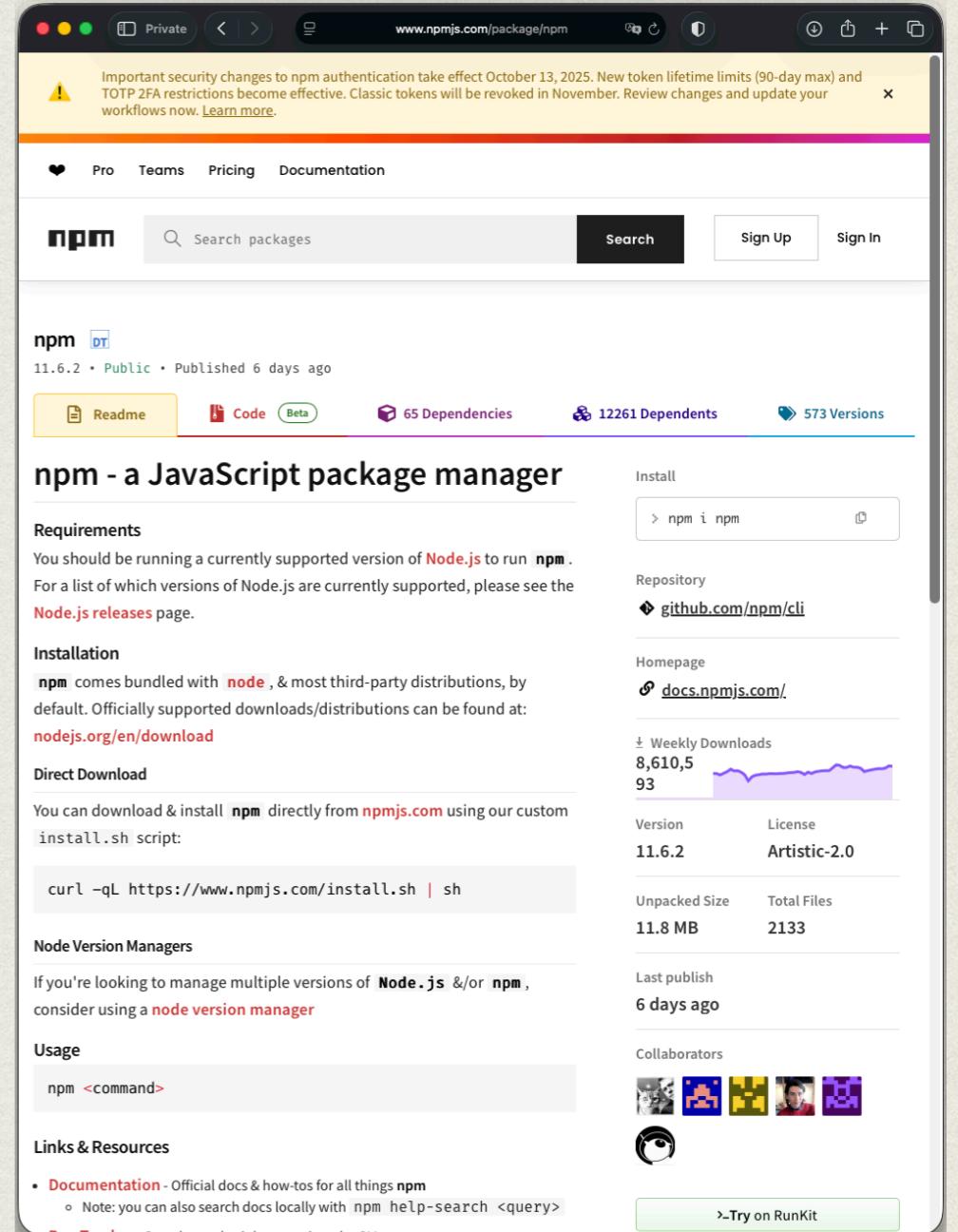
# NPM

*package.json, zależności, SemVer, package-lock.json...*

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# NPM

- Zarządzanie skryptami
- Zarządzanie bibliotekami
  - Instalacja
  - Aktualizacja
  - Publikacja
- <https://www.npmjs.com/>



# package.json

- Konfiguracja projektu
- Metadane
  - Nazwa
  - Wersja
  - Zależności
  - Skrypty
  - ...

/npm/package.json

« Back

```
1  {
2    "version": "11.6.2",
3    "name": "npm",
4    "description": "a package manager for JavaScript",
5    "workspaces": [
6      "docs",
7      "smoke-tests",
8      "mock-globals",
9      "mock-registry",
10     "workspaces/*"
11   ],
12   "files": [
13     "bin/",
14     "lib/",
15     "index.js",
16     "docs/content/",
17     "docs/output/",
18     "man/"
19   ],
20   "keywords": [
21     "install",
22     "modules",
23     "package manager",
24     "package.json"
25   ],
26   "homepage": "https://docs.npmjs.com/",
27   "author": "GitHub Inc.",
28   "repository": {
29     "type": "git",
```

# ZALEŻNOŚCI

- dependencies
- devDependencies
- peerDependencies \*
- bundledDependencies \*
- optionalDependencies \*

## Dependents (117026)

@sundawning/autumn-js-0-1-40-patch bizwep-components-example  
@mannansyed/payloadcms hummingbot-dashboard-v2 discogs-example  
@morphera/mds @pr-pilot/ui @open-cloud-initiative/kernux-nextra-theme  
q3labs-posthog-sdk @dev-vortex/nextra-theme-markdoc @scmposz/zeentech-ui  
@kodiak-finance/orderly-eslint-config @gungunsaluja/ecom-design-system  
ai-ux-kit react-chart-kit @tuturuuu/supabase hey-pharmacist-eCommerce  
@jasolar/copilot-ai-wc nextjs-saas-template  
@ankit-paul-keross/ikon-component-lib dspyground  
superads-aws-amplify-adapter-nextjs @kizlo/nextjs mournshire  
@ernes7/clerk-auth @ankit-paul-keross/test-lib create-brightinfonet-nextjs  
@tulip-systems/core react-select-lite code-environ payload-sep-gateway-plugin  
@ichaingo/header @ichaingo/providers @ichaingo/image @ichaingo/token  
@vtex/faststore-plugin-live-shopping well-ready @el\_saintt/adapter-nextjs  
@pamfilico/adminfast-ui @choto/stack-app @tedi-design-system/react  
@pamfilico/uicomponents @nuskin/react-mysite-elements @joerawr/pghl-mcp  
@ramonxp-dev/ui @ramonxp-dev/mdx @ramonxp-dev/core  
@bkjain655/base-components @onlywatch/nextjs-route-segments-params  
fresh-start-cli  
and more...

# SemVer

- MAJOR
- MINOR
- PATCH
- ^, ~, >, <, >=, <=, x, \*, ||, -
- <https://semver.org/>

Current Tags		
Version	Downloads (Last 7 Days)	Tag
<a href="#">10.9.4</a>	1,528,281	next-10
<a href="#">11.6.2</a>	1,033,244	latest
<a href="#">11.6.2</a>	1,033,244	next-11
<a href="#">8.19.4</a>	613,851	next-8
<a href="#">9.9.4</a>	375,010	next-9
<a href="#">6.14.18</a>	291,127	latest-6
<a href="#">6.14.18</a>	291,127	v6.14-next
<a href="#">6.14.18</a>	291,127	next-6
<a href="#">7.24.2</a>	195,610	latest-7
<a href="#">7.24.2</a>	195,610	next-7
<a href="#">2.15.12</a>	79,336	next-2
<a href="#">2.15.12</a>	79,336	latest-2
<a href="#">5.10.0</a>	14,718	next-5
<a href="#">5.10.0</a>	14,718	latest-5
<a href="#">3.10.10</a>	12,276	latest-3
<a href="#">3.10.10</a>	12,276	next-3



Wygenerowane przez AI

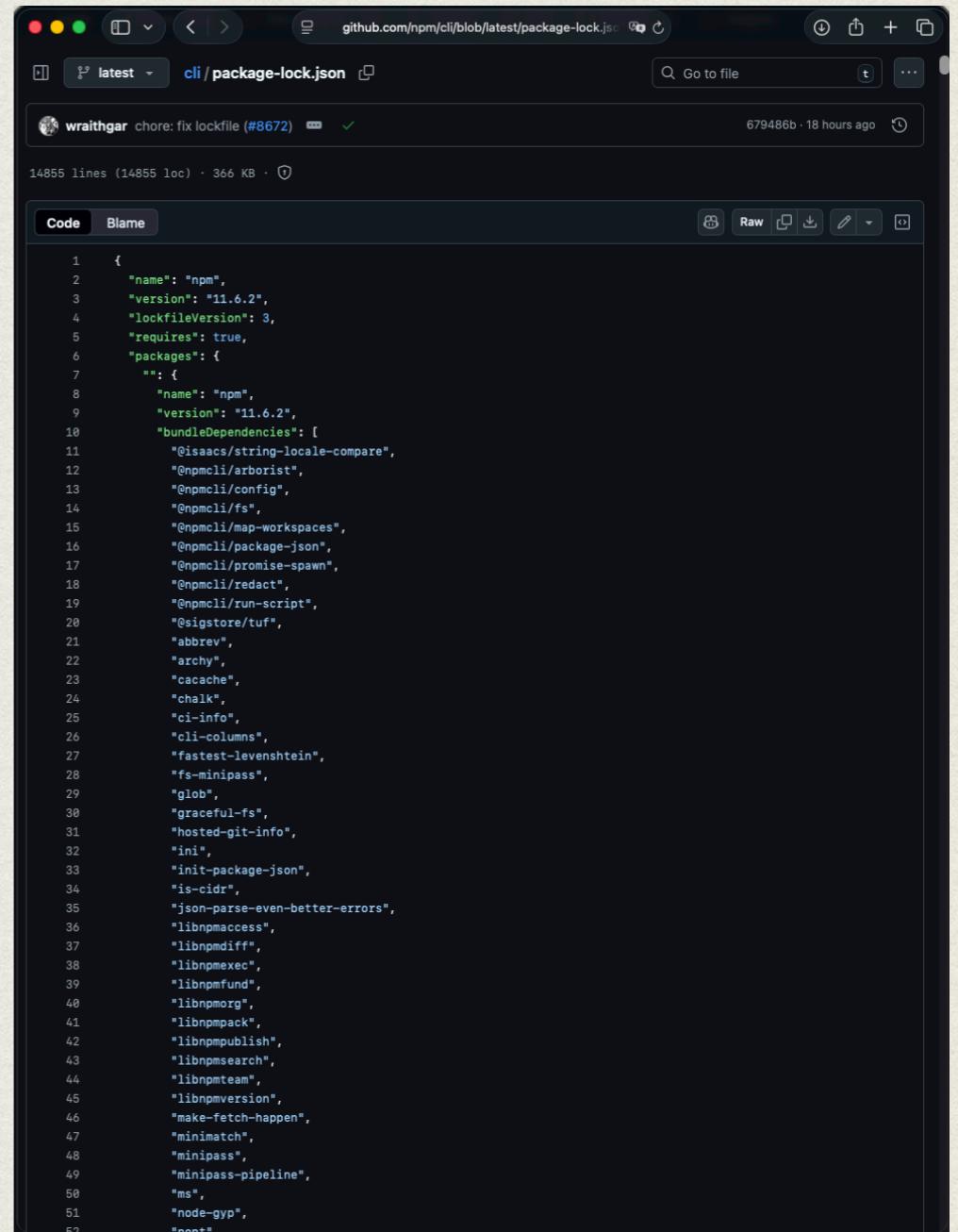
# DEPENDENCY HELL

- Regularna aktualizacja
- `npm audit`
- NVM
- Brak globalnych instalacji
- `package-lock.json`



# package-lock.json

- Tworzy się automatycznie
- Określone wersje
- Identyczne środowisko



The screenshot shows a GitHub browser window displaying the latest version of the package-lock.json file for the npm/cli repository. The file contains a large JSON object with numerous dependencies and their specific versions. The JSON structure includes fields like "name", "version", "lockfileVersion", "requires", "packages", and "bundleDependencies". The file is 14855 lines long and 366 KB in size. The GitHub interface shows various tabs like "Code" and "Blame", and standard browser controls at the top.

```
1  {
2    "name": "npm",
3    "version": "11.6.2",
4    "lockfileVersion": 3,
5    "requires": true,
6    "packages": {
7      "": {
8        "name": "npm",
9        "version": "11.6.2",
10       "bundleDependencies": [
11         "@isaacs/string-locale-compare",
12         "@npmcli/arborist",
13         "@npmcli/config",
14         "@npmcli/fs",
15         "@npmcli/map-workspaces",
16         "@npmcli/package-json",
17         "@npmcli/promise-spawn",
18         "@npmcli/redact",
19         "@npmcli/run-script",
20         "@sigstore/tuf",
21         "abbrev",
22         "archy",
23         "cacache",
24         "chalk",
25         "ci-info",
26         "cli-columns",
27         "fastest-levenshtein",
28         "fs-minipass",
29         "glob",
30         "graceful-fs",
31         "hosted-git-info",
32         "ini",
33         "init-package-json",
34         "is-cidr",
35         "json-parse-even-better-errors",
36         "libnpmaccess",
37         "libnpmdiff",
38         "libnpmexec",
39         "libpnfmfund",
40         "libnpmorg",
41         "libnpmack",
42         "libnpmpublish",
43         "libnpmsearch",
44         "libnpteam",
45         "libnpmversion",
46         "make-fetch-happen",
47         "minimatch",
48         "minipass",
49         "minipass-pipeline",
50         "ms",
51         "node-gyp",
52         "nopt",
53         "os-locale",
54         "semver",
55         "semver-diff",
56         "semver-gt",
57         "semver-lt",
58         "semver-range",
59         "semver-to-prerelease",
60         "semver-to-tag",
61         "semver-to-version",
62         "semver-trim",
63         "semver-strict",
64         "semver-strict-equals",
65         "semver-strict-gt",
66         "semver-strict-lt",
67         "semver-strict-range",
68         "semver-strict-to-prerelease",
69         "semver-strict-to-tag",
70         "semver-strict-to-version",
71         "semver-strict-trim",
72         "semver-strict-tilde",
73         "semver-strict-tilde-equals",
74         "semver-strict-tilde-gt",
75         "semver-strict-tilde-lt",
76         "semver-strict-tilde-range",
77         "semver-strict-tilde-to-prerelease",
78         "semver-strict-tilde-to-tag",
79         "semver-strict-tilde-to-version",
79       ],
80       "dependencies": {
81         "abbrev": {
82           "name": "abbrev",
83           "version": "0.9.0"
84         },
85         "archy": {
86           "name": "archy",
87           "version": "1.0.0"
88         },
89         "cacache": {
90           "name": "cacache",
91           "version": "1.0.0"
92         },
93         "chalk": {
94           "name": "chalk",
95           "version": "2.4.1"
96         },
97         "ci-info": {
98           "name": "ci-info",
99           "version": "1.0.0"
100        },
101        "cli-columns": {
102          "name": "cli-columns",
103          "version": "1.0.0"
104        },
105        "fastest-levenshtein": {
106          "name": "fastest-levenshtein",
107          "version": "1.0.0"
108        },
109        "fs-minipass": {
110          "name": "fs-minipass",
111          "version": "1.0.0"
112        },
113        "glob": {
114          "name": "glob",
115          "version": "7.1.3"
116        },
117        "graceful-fs": {
118          "name": "graceful-fs",
119          "version": "4.1.6"
120        },
121        "hosted-git-info": {
122          "name": "hosted-git-info",
123          "version": "1.0.0"
124        },
125        "ini": {
126          "name": "ini",
127          "version": "1.3.4"
128        },
129        "init-package-json": {
130          "name": "init-package-json",
131          "version": "1.0.0"
132        },
133        "is-cidr": {
134          "name": "is-cidr",
135          "version": "1.0.0"
136        },
137        "json-parse-even-better-errors": {
138          "name": "json-parse-even-better-errors",
139          "version": "1.0.2"
140        },
141        "libnpmaccess": {
142          "name": "libnpmaccess",
143          "version": "1.0.0"
144        },
145        "libnpmdiff": {
146          "name": "libnpmdiff",
147          "version": "1.0.0"
148        },
149        "libnpmexec": {
150          "name": "libnpmexec",
151          "version": "1.0.0"
152        },
153        "libpnfmfund": {
154          "name": "libpnfmfund",
155          "version": "1.0.0"
156        },
157        "libnpmorg": {
158          "name": "libnpmorg",
159          "version": "1.0.0"
160        },
161        "libnpmack": {
162          "name": "libnpmack",
163          "version": "1.0.0"
164        },
165        "libnpmpublish": {
166          "name": "libnpmpublish",
167          "version": "1.0.0"
168        },
169        "libnpmsearch": {
170          "name": "libnpmsearch",
171          "version": "1.0.0"
172        },
173        "libnpteam": {
174          "name": "libnpteam",
175          "version": "1.0.0"
176        },
177        "libnpmversion": {
178          "name": "libnpmversion",
179          "version": "1.0.0"
180        },
181        "make-fetch-happen": {
182          "name": "make-fetch-happen",
183          "version": "1.0.0"
184        },
185        "minimatch": {
186          "name": "minimatch",
187          "version": "3.1.2"
188        },
189        "minipass": {
190          "name": "minipass",
191          "version": "3.2.0"
192        },
193        "minipass-pipeline": {
194          "name": "minipass-pipeline",
195          "version": "1.0.0"
196        },
197        "ms": {
198          "name": "ms",
199          "version": "2.1.2"
200        },
201        "node-gyp": {
202          "name": "node-gyp",
203          "version": "3.6.2"
204        },
205        "nopt": {
206          "name": "nopt",
207          "version": "3.0.2"
208        }
209      ]
210    }
211  }
```

Komenda

npm install

npm ci

npm install --frozen-lockfile  
(od npm 9)

Źródło prawdy

package.json  
+  
package-lock.json

package-lock.json

Jeśli  
package.json i package-lock.json  
się różnią to nic nie instaluje

npm install



yarn install



pnpm install



wget in parallel  
all packages from  
source repositories  
to node\_modules



Źródło:  
[facebook.com](https://facebook.com)

„Dziwne... u mnie działa.”

- każdy programista JavaScript