

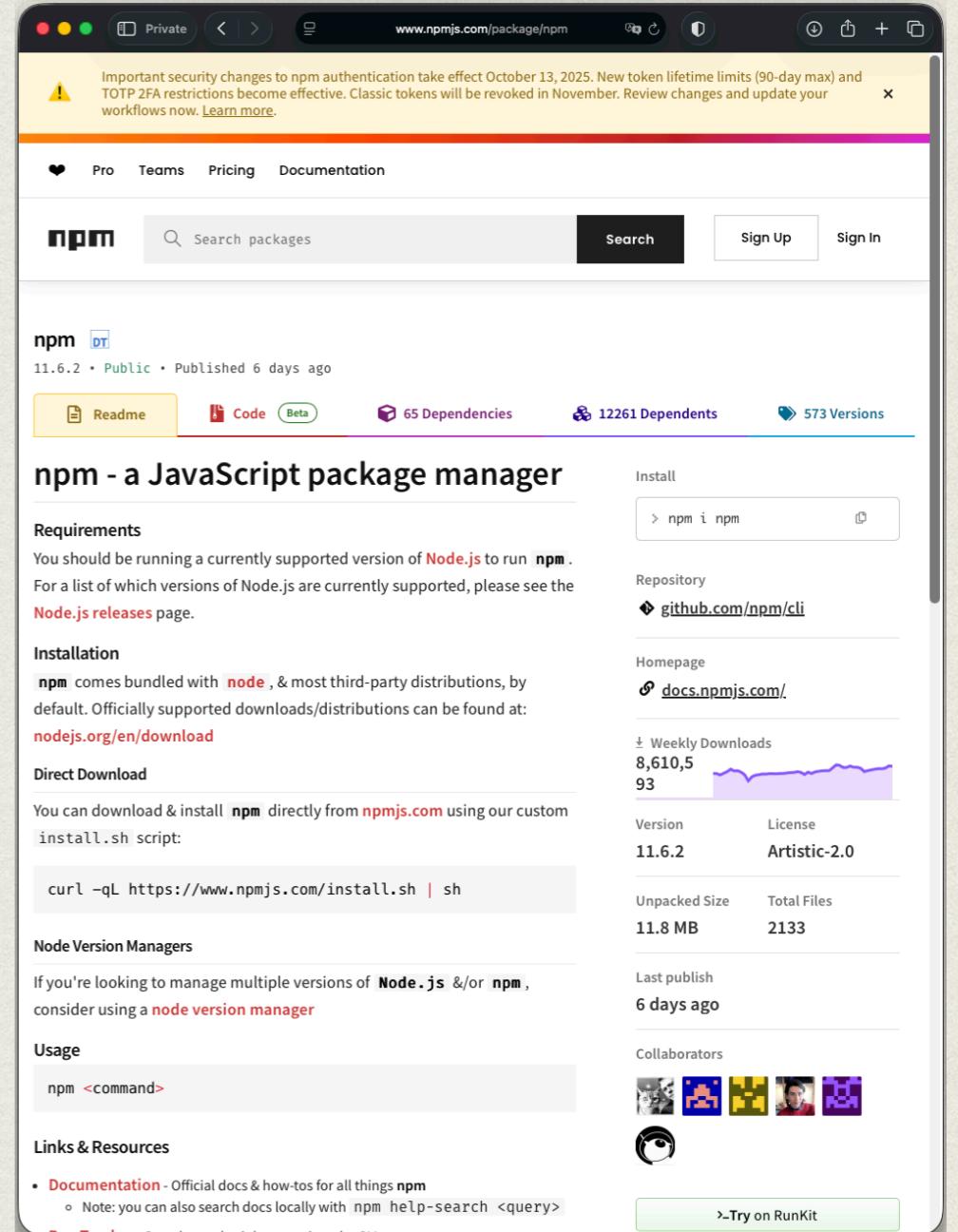
NPM

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
10.9.4	1,528,281	next-10
11.6.2	1,033,244	latest
11.6.2	1,033,244	next-11
8.19.4	613,851	next-8
9.9.4	375,010	next-9
6.14.18	291,127	latest-6
6.14.18	291,127	v6.14-next
6.14.18	291,127	next-6
7.24.2	195,610	latest-7
7.24.2	195,610	next-7
2.15.12	79,336	next-2
2.15.12	79,336	latest-2
5.10.0	14,718	next-5
5.10.0	14,718	latest-5
3.10.10	12,276	latest-3
3.10.10	12,276	next-3



Wygenerowane przez AI

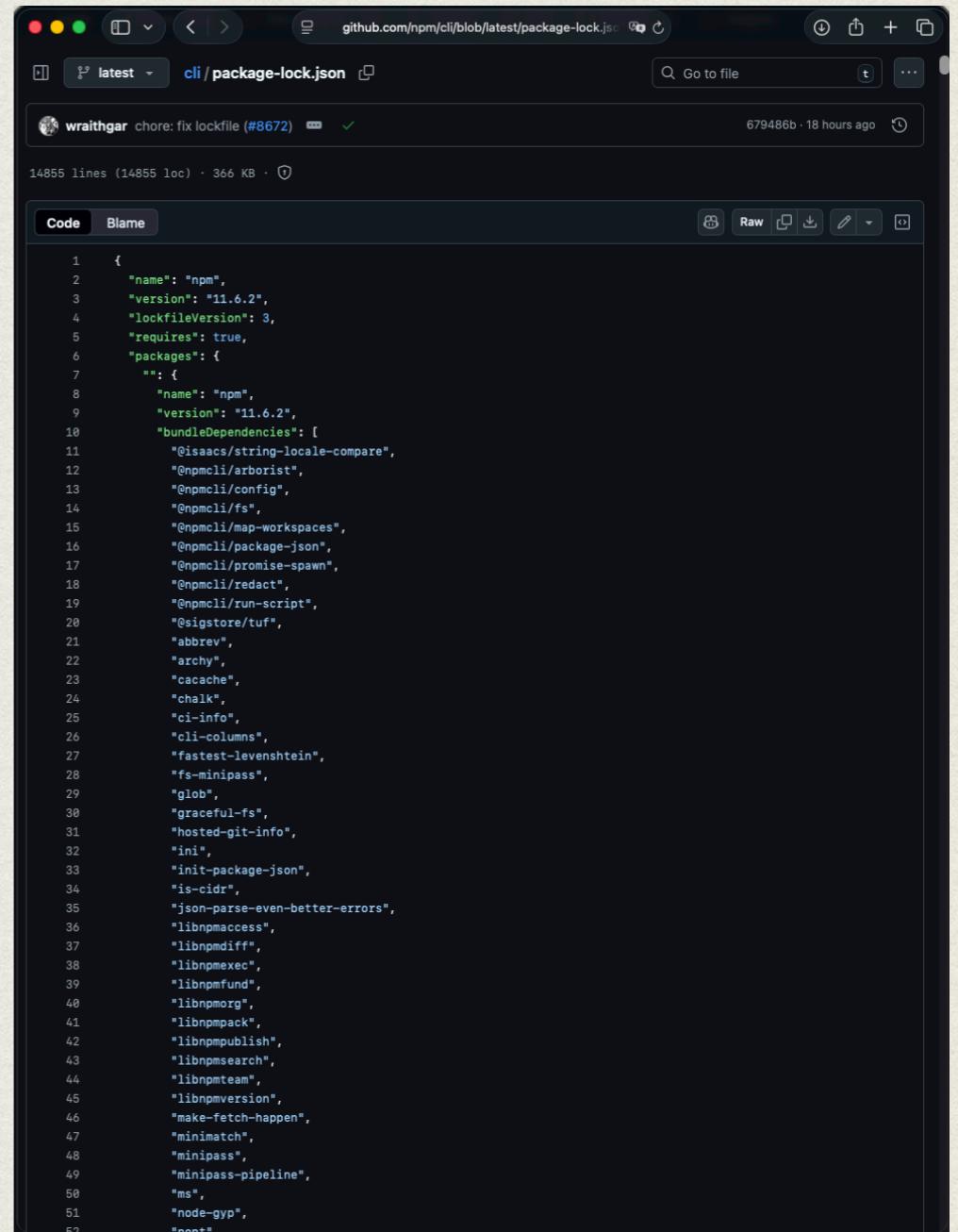
DEPENDENCY HELL

- 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 a toolbar with download and edit options.

```
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       ]
54     }
55   }
56 }
```

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

„Dziwne... u mnie działa.”

- każdy programista JavaScript