

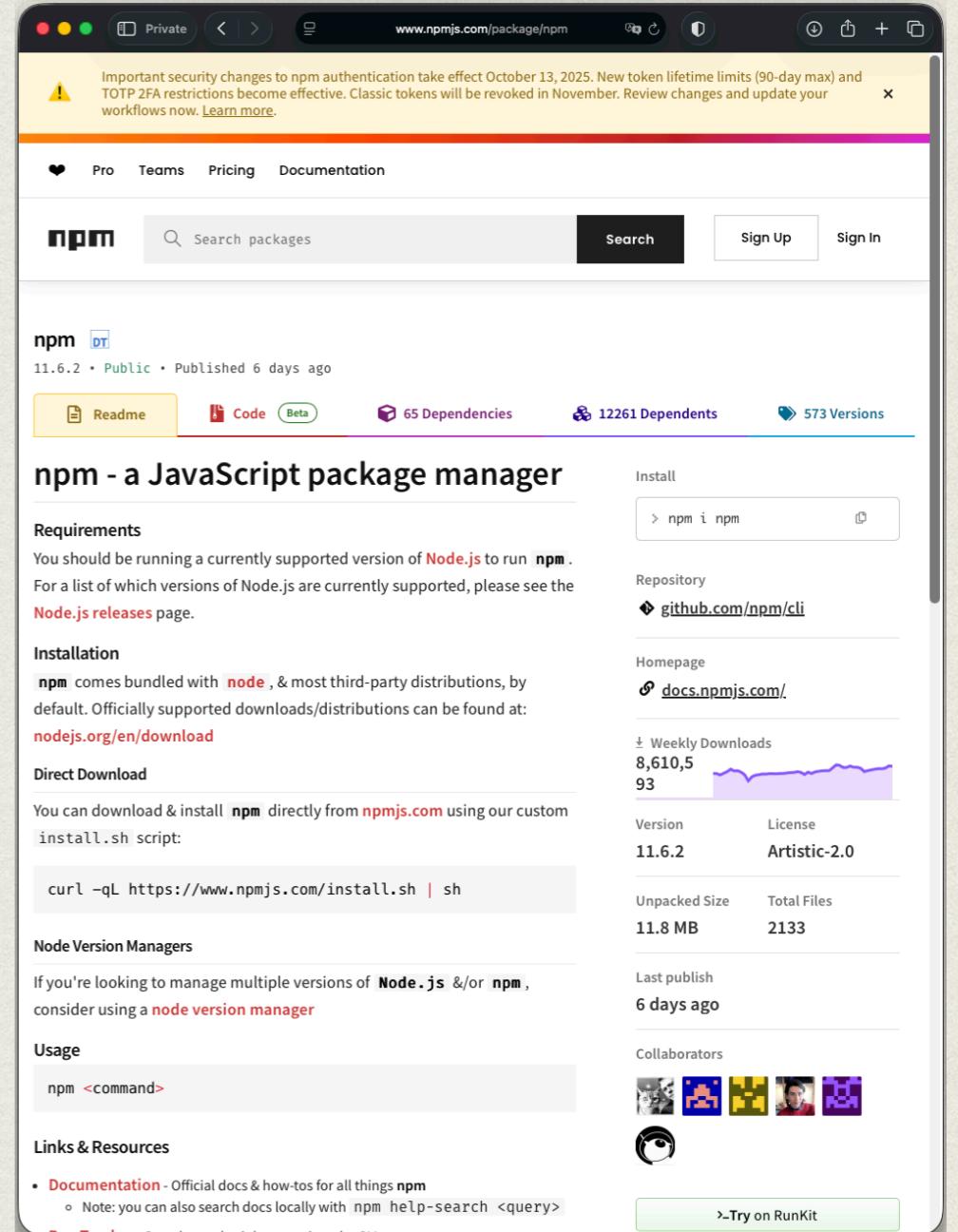
NPM

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

latest cli / package-lock.json

wraithgar chore: fix lockfile (#8672) · ✓

14855 lines (14855 loc) · 366 KB · ⏺

Code Blame

Raw

```
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          "libpmexec",
39          "libnpmfund",
40          "libnpmorg",
41          "libnmpack",
42          "libnpmpublish",
43          "libnpmsearch",
44          "libnptteam",
45          "libnpmversion",
46          "make-fetch-happen",
47          "minimatch",
48          "minipass",
49          "minipass-pipeline",
50          "ms",
51          "node-gyp",
52          "npx"
53        ]
54      }
55    }
56  }
57 }
```

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