

# Яндекс

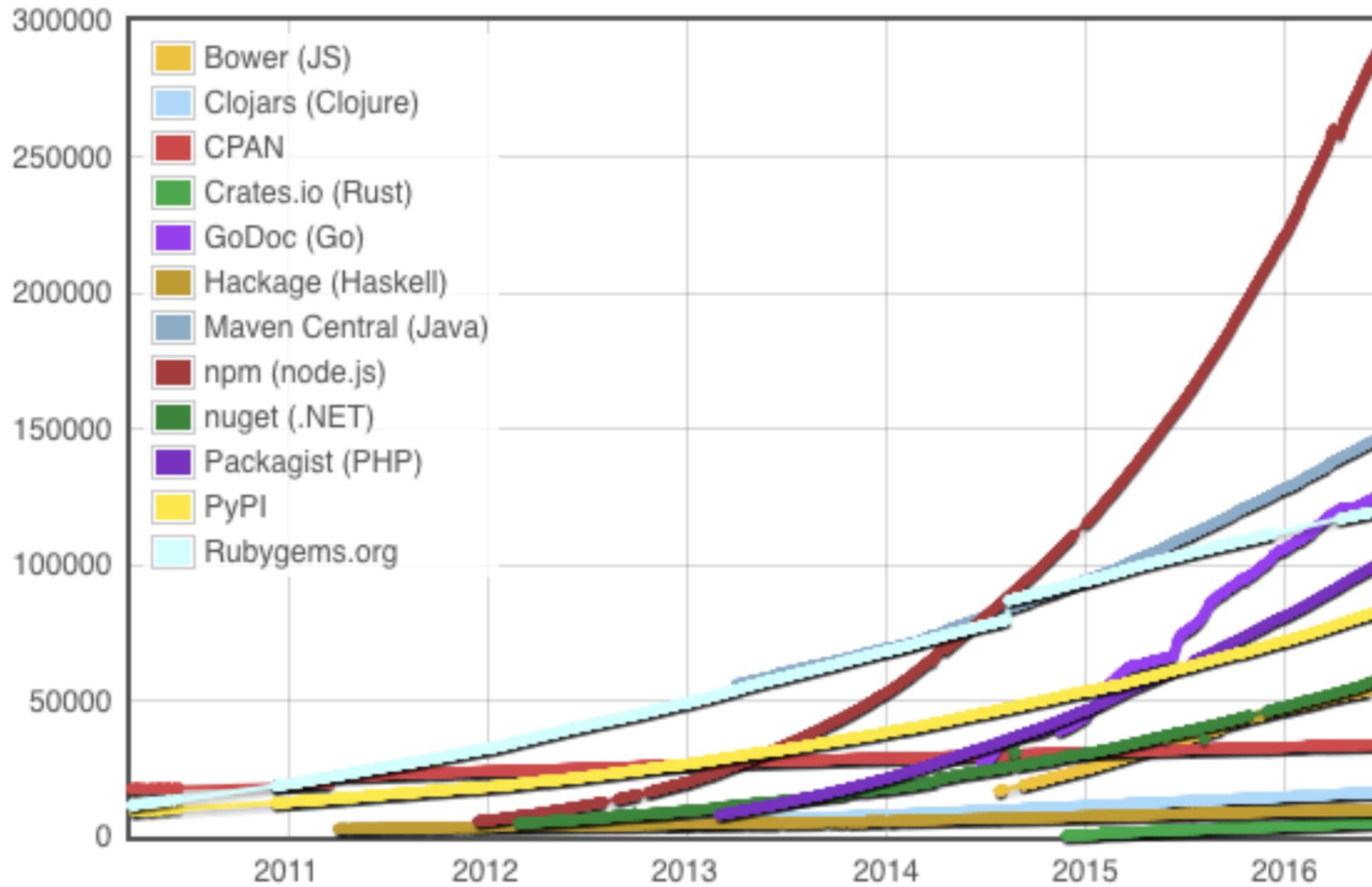
Струкчинский Всеволод

[@floatdrop](#)

Яндекс

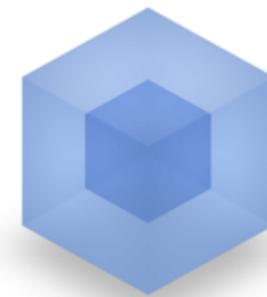
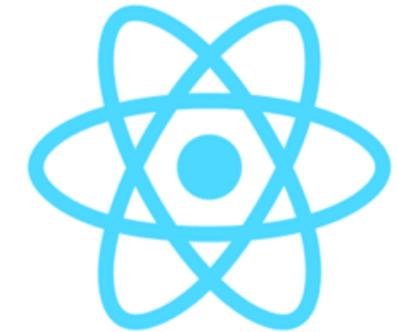
 — найдётся

ПОДХОДЯЩИЙ МОДУЛЬ





300 000



webpack  
MODULE BUNDLER





<https://nodejs.org/>

```
1. floatd...  
~/wsd  
> npm i react
```

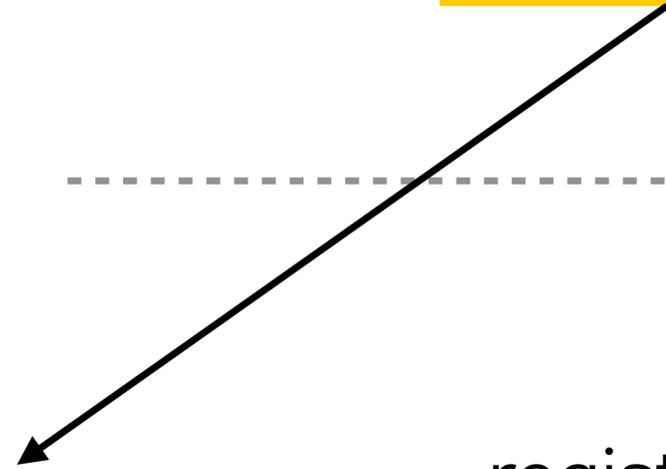


**GitHub**

```
1. floatd...  
~/wsd  
> npm i react
```

Локальный кеш

Интернет



registry.npmjs.org



```
1. floatd...  
~/wsd  
> npm i react
```

Локальный кеш

Интернет

npm.company.ru



<http://npmjs.org>

The screenshot shows a web browser window with the URL 'npm Inc.' in the address bar. The page features a red navigation bar with links for 'Nerd Party Madness', 'npm Enterprise', 'npm Private Packages', 'pricing', 'documentation', and 'support'. Below the navigation bar is a dark search bar containing the text 'http request' and a search icon. To the right of the search bar are links for 'sign up or log in' and a GitHub Octocat icon. The main content area displays '2071 results for 'http request'' and lists several packages:

- fd-http-request** by superpaintman: A package for http request with 0 stars and version 1.1.2. It includes tags for request, http, https, get, and post.
- nanocyte-component-http-request** by octoblu: A package for Nanocyte component http-request with 0 stars and version 1.0.5. It includes tags for nanocyte, octoblu, and meshblu.
- react-http-request** by mbasso: A package for React component exposes network request functionality with 0 stars and version 1.0.2. It includes tags for react, superagent, http, request, and api.
- any-http-request** by theefer: A package for any http request.

On the right side of the search results, there is a promotional message: 'HBO, FT Labs, microapps and lots of other companies are hiring javascript developers. View all 29...'.

<https://npms.io>

The screenshot shows the npms.io website interface. At the top, there is a search bar with the text "http request" and a magnifying glass icon. Below the search bar, it displays "1340 results for http request". The main content area lists several packages:

- request** (2.72.0): Simplified HTTP request client. updated 2 months ago by **simov**. It has 89 dependencies (Q, P, M).
- morgan** (1.7.0): HTTP request logger middleware for node.js. updated 4 months ago by **dougwilson**. It has 90 dependencies (Q, P, M).
- request-promise** (3.0.0): The world-famous HTTP client 'Request' now Promises/A+ compliant. Powered by Bluebird. updated last month by **analog-nico**. It has 85 dependencies (Q, P, M).
- got** (6.3.0): Simplified HTTP requests. updated 2 months ago by **floatdrop**. It has 86 dependencies (Q, P, M).
- superagent** (2.0.0): elegant & feature rich browser / node HTTP with a fluent API. It has 80 dependencies (Q, P, M).

On the left side, there is a sidebar with a search bar containing "http request" and a list of related packages:

- fd-http-req**: http request. v1.1.2. 0 stars. Tags: request, http, https, ge.
- nanocyte-con**: Nanocyte component http-re. v1.0.5. 0 stars. Tags: nanocyte, octoblu, me.
- react-http-re**: React component exposes ne. v1.0.2. 0 stars. Tags: react, superagent, http.
- any-http-req**

# Команды NPM



```
> npm install npm -g
```

⚠ Обновитесь до 2.15.8 или 3.10.1

# Что такое npm пакет?

1. Архив с файлами
2. В нем есть *package.json*

> `npm init --yes`

1. Создает `package.json`
2. И все
3. [npmjs.com/generator-nm](https://npmjs.com/generator-nm)

```
1. floatdrop@Vsevolods-MacBook-Pro: ~/wsd (zsh)
~/wsd
> npm init --yes
Wrote to /Users/floatdrop/wsd/package.json:

{
  "name": "wsd",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}

~/wsd
> █
```

```
> npm install webpack
```

```
npm install --save
```

```
npm install -S
```

```
npm install --save-dev
```

```
npm install -D
```

[view source code](#)

```
1. floatdrop@Vsevolods-MacBook-Pro: ~/wsd (zsh)
~/wsd
> npm i webpack -D --silent

~/wsd 35s
> hicat package.json
{
  "name": "wsd",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "devDependencies": {
    "webpack": "^1.13.1"
  }
}
```

# SemVer



# Semantic Versioning

1.5.6

Breaking  
Major

Feature  
Minor

Fix  
Patch

1. Это просто договоренность
2. ~70% модулей имеют 0 мажорную версию

$\wedge \sim X$

**|**  $\sim 1.0.0$  — обновлять патчи

**|**  $\wedge 1.0.0$  — обновлять минорные и патчи

**|**  $1.0.x$  — обновлять  $x$

^ ~ x

"request": "^2.53.x"

The screenshot shows a web browser window with the URL `semver.npmjs.com`. The page title is "npm semver calculator". Below the title is a link: "New to semantic versioning? [Learn the basics.](#)".

The main form has two sections:

- "pick a package" with an input field containing "lodash" and a right-pointing arrow button.
- "enter a range" with an input field containing "^2.0.1".

Below the form, a grid of version numbers is displayed. The versions are arranged in a grid with 7 columns and 6 rows. The versions in the 4th column (2.1.0, 2.2.0, 2.2.1, 2.3.0, 2.4.0, 2.4.1) and the 5th column (2.4.2) are highlighted in green, indicating they are the latest versions within their respective columns.

• 0.1.0	▸ 0.5.1	▸ 1.0.0-rc.1	▸ 2.1.0	▸ 3.4.0	▸ 3.10.1	▸ 4.7.0
• 0.2.0	▸ 0.5.2	▸ 1.0.0-rc.2	▸ 2.2.0	▸ 3.5.0	▸ 4.0.0	▸ 4.8.0
• 0.2.1	▸ 0.6.0	▸ 1.0.0-rc.3	▸ 2.2.1	▸ 3.6.0	▸ 4.0.1	▸ 4.8.1
• 0.2.2	▸ 0.6.1	▸ 1.0.0	▸ 2.3.0	▸ 1.0.2	▸ 4.1.0	▸ 4.8.2
• 0.3.0	▸ 0.7.0	▸ 1.0.1	▸ 2.4.0	▸ 3.7.0	▸ 4.2.0	▸ 4.9.0
• 0.3.1	▸ 0.8.0	▸ 1.1.0	▸ 2.4.1	▸ 2.4.2	▸ 4.2.1	▸ 4.10.0

```
> npm install --production
```

```
npm prune --production
```

```
2. floatdrop@87: ~/wsd (zsh)
~/wsd
> npm ls
wsd@1.0.0 /Users/floatdrop/wsd
├─ webpack@1.13.1
├─ acorn@3.2.0
├─ async@1.5.2
├─ clone@1.0.2
├─ enhanced-resolve@0.9.1
│ └─ graceful-fs@4.1.4
│   └─ memory-fs@0.2.0
├─ interpret@0.6.6
├─ loader-utils@0.2.15
│ └─ big.js@3.1.3
├─ emojis-list@2.0.1
├─ json5@0.5.0
├─ object-assign@4.1.0
├─ memory-fs@0.3.0
│ └─ errno@0.1.4
│   └─ prr@0.0.0
├─ readable-stream@2.1.4
│ └─ buffer-shims@1.0.0
├─ core-util-is@1.0.2
├─ inherits@2.0.1
├─ isarray@1.0.0
├─ process-nextick-args@1.0.7
├─ util-deprecate@1.0.2
├─ mkdirp@0.5.1
├─ minimist@0.0.8
├─ node-libs-browser@0.5.3
│ └─ assert@1.4.1
├─ browserify-zlib@0.1.4
│ └─ pako@0.2.8
└─ buffer@3.6.0
```

# > npm shrinkwrap

1. Фиксирует конкретные версии пакетов
2. Сохраняет их в npm-shrinkwrap.json
3. Установка быстрее в **2.5 раза!**

# > shrinkpack

1. npm shrinkwrap --dev

2. shrinkpack

Скачивает .tar.gz в node\_shrinkwrap

Меняет resolved в npm-shrinkwrap.json

```
iTerm
$ npm uninstall --save-dev grunt-contrib-imageoptim
unbuild grunt-contrib-imageoptim@1.0.0

jmason at wh0002279 in ~/Development/test
$ npm install --save-exact --save-dev grunt-imageoptim
npm WARN package.json indigo-build-assets@0.2.0 No repository field.
npm WARN package.json indigo-build-assets@0.2.0 No README data
npm WARN package.json indigo-build-assets@0.2.0 No license field.
grunt-imageoptim@1.4.1 node_modules/grunt-imageoptim
├─ q@0.9.6
├─ imageoptim-cli@1.14.8
└─ grunt-contrib-jshint@0.6.5 (jshint@2.1.11)

jmason at wh0002279 in ~/Development/test
$ npm shrinkwrap --dev
wrote npm-shrinkwrap.json

jmason at wh0002279 in ~/Development/test
$ shrinkpack
i 3835 dependencies in npm-shrinkwrap.json
i 0 have a missing "resolved" property
i 0 need removing from ./node_shrinkwrap
i 10 need adding to ./node_shrinkwrap
i 10 are in your npm cache
i 0 need downloading
+ grunt-imageoptim@1.4.1
+ q@0.9.6
+ grunt-contrib-jshint@0.6.5
+ jshint@2.1.11
+ shelljs@0.1.4
+ underscore@1.4.4
+ cli@0.4.5
+ minimatch@0.4.0
+ console-browserify@0.1.6
+ imageoptim-cli@1.14.8
shrinkpack +10 -0 ↓0 ✓0
```

# > npm outdated

Package	Current	Wanted	Latest	Location
domutils	1.3.0	1.3.0	1.5.1	@npm/testnpm
handlebars	1.3.0	1.3.0	4.0.5	@npm/testnpm
hbsfy	1.3.2	1.3.2	2.7.0	@npm/testnpm

> npm outdated



[david-dm.org](https://david-dm.org)



prmt — новый простой make



npm start  
npm stop  
npm restart  
npm test

```
1. floatdrop@Vsevolods-MacBook-Pro: ~/wsd (zsh)
~/wsd
> hicat package.json
{
  "name": "wsd",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "files": [
    "index.js"
  ],
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
```

## > npm run build

```
2. floatdrop@87: ~/wsd (zsh)
> hicat package.json
{
  "name": "wsd",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "build": "./node_modules/.bin/webpack",
    "test": "/usr/lib/local/node_modules/bin/ava"
  },
  "devDependencies": {
    "webpack": "^1.13.1",
    "ava": "*"
  },
  "dependencies": {},
  "author": "",
  "license": "ISC",
  "description": ""
}
```

## > npm run build

```
2. floatdrop@87: ~/wsd (zsh)
> hicat package.json
{
  "name": "wsd",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "build": "webpack",
    "test": "ava"
  },
  "devDependencies": {
    "webpack": "^1.13.1",
    "ava": "*"
  },
  "dependencies": {},
  "author": "",
  "license": "ISC",
  "description": ""
}
```

# Lifecycle hooks

publish: prepublish, publish, postpublish  
install: preinstall, install, postinstall  
uninstall: preuninstall, uninstall, postuninstall  
version: preversion, version, postversion  
test: pretest, test, posttest  
stop: prestop, stop, poststop  
start: prestart, start, poststart  
restart: prerestart, restart, postrestart

commit?

```
> npm install husky -D
```

```
{  
  "scripts": {  
    "precommit": "npm test",  
    "prepush": "npm test"  
  }  
}
```

prmt — немедленно публикуй модуль



# Версионирование

2.0.0

major

minor

> `npm version patch`

1. Создает коммит с увеличенной версией в `package.json`
2. Добавляет git тег с этой версией

# Публикация

```
> npm publish
```

**ОСТЕРЕГАЙСЯ  
УДАРА  
ЗЮЗЬГОЙ!**



# Чеклист перед публикацией

1. Убедиться, что ветка `master`
2. Посмотреть, что нет новых коммитов в `upstream`
3. Удостовериться, что пакет работает с зависимостями из `package.json`
4. Запустить тесты
5. Поднять версию — `npm version`
6. Опубликовать — `npm publish`
7. Запушить в репозиторий коммит и тег

```
> npm install np -g
```

✓ Ветка master

✓ Версия Node.JS < 6

✓ Нет НОВЫХ КОММИТОВ в upstream

✓ Зависимости из package.json

✓ Тесты

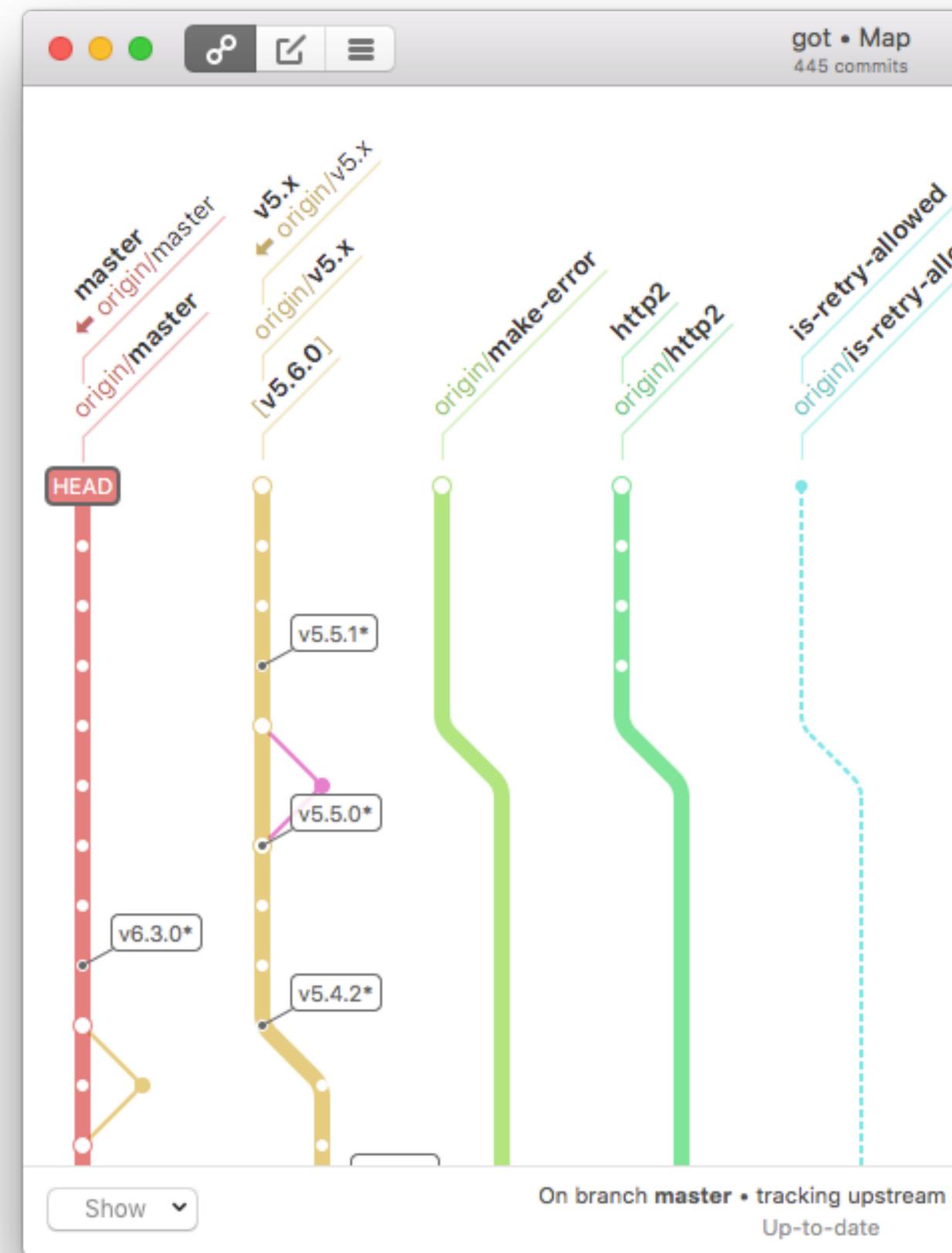
✓ Поднимает версию

✓ Публикует пакет

✓ Пушит коммит и тег в репозиторий

# Поддержка двух версий

- > `npm publish --tag=latest`
- > `npm publish --tag=5.x-branch`
- > `npm show npm dist-tags`



# Поддержка двух модулей



\* /usr/local/lib/node\_modules/got

left-pad

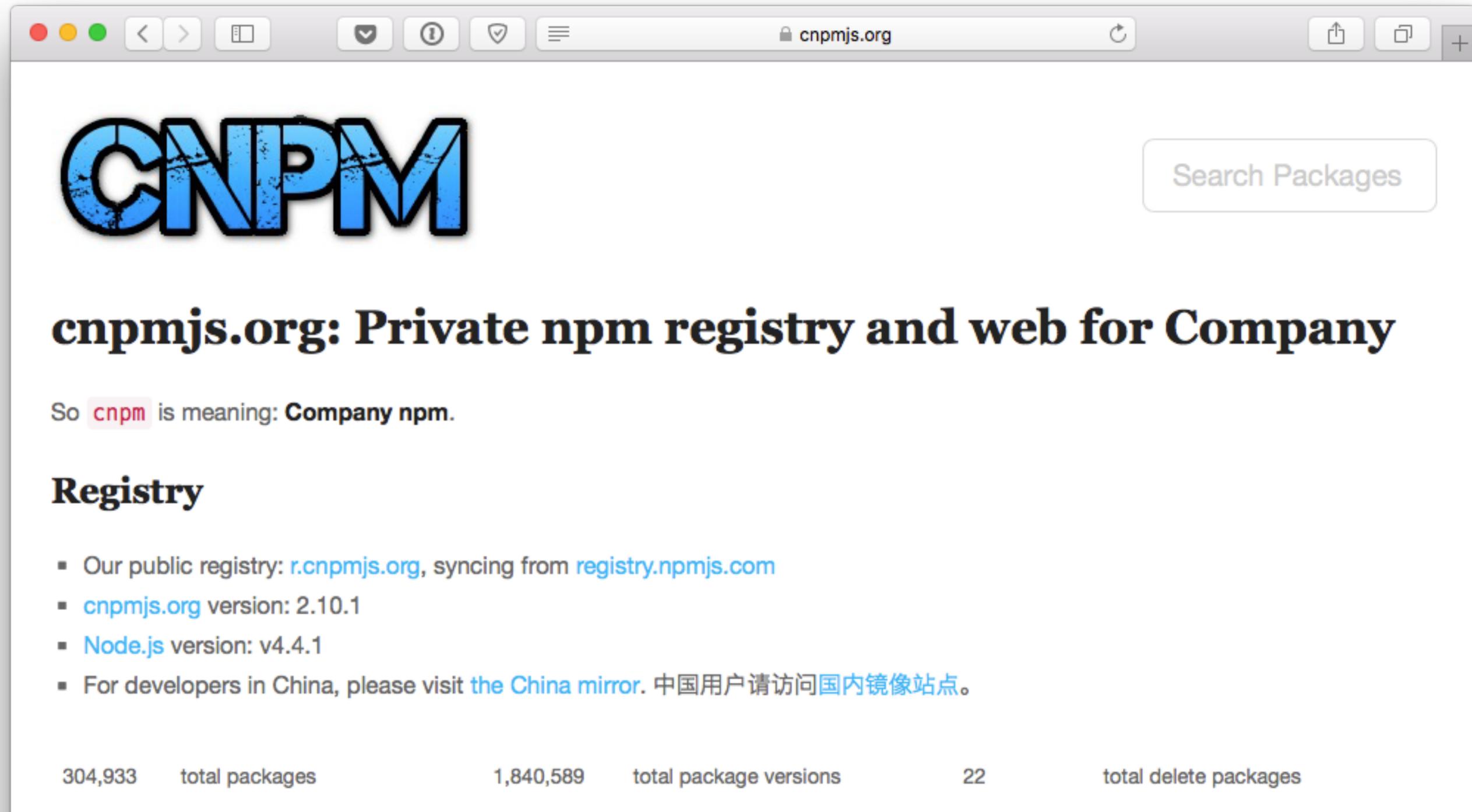


# > npm unpublish

Удаляет пакет или конкретную версию

\* Если не прошло 24 часа

cnpmjs.org



The screenshot shows a browser window with the URL `cnpmjs.org`. The page features a large, stylized blue logo for 'CNIPM' with a distressed, cracked texture. To the right of the logo is a search bar with the placeholder text 'Search Packages'. Below the logo, the main heading reads 'cnpmjs.org: Private npm registry and web for Company'. A sub-heading explains that 'cnpm' stands for 'Company npm'. Under the heading 'Registry', there is a list of four items: the public registry URL `r.cnpmjs.org` (syncing from `registry.npmjs.com`), the `cnpmjs.org` version (2.10.1), the Node.js version (v4.4.1), and a note for Chinese developers to visit the 'China mirror'.

304,933 total packages      1,840,589 total package versions      22 total delete packages

.npmrc



`.npmrc`

`cache-min=9999`

`loglevel=silent`

`progress=false`



Ускоряет установку **вдвое!**



**.npmrc**

**cache-min=9999**

**loglevel=silent**

**progress=false**



**save-exact=true**

**ignore-scripts=true**

Спасибо! Вопросы?