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# Motivation

- split large web projects into tiny pieces
- reuse these pieces in another project
- resolve dependency
- fast import usefull packages of working code
- online database of open-source projects

# What it is

- npm is the world's largest software registry.
- Open source developers from every continent use npm to share and borrow packages, and many organizations use npm to manage private development as well.

# Installation

## Windows / mac

<https://nodejs.org/en/download/current/>

## Linux

```
sudo pacman -S nodejs npm  
sudo apt-get install -y nodejs
```

## Example (verify)

```
npm -v  
//0.6.9
```

# web database

online database: **www.npm.com**

contains documentation:

- readme (what that should do)
- install (how to import it into your project)
- usage (how to use it)

# package

packages can be added by everybody

- bugs (unkempt packages)
- malicious code

git repositories

- versions
- code checkout
- another examples

credibility

- report button
- weekly downloads
- version
- last publish

# dependencies

real example of reusable code

## **types:**

production

- for project functionality
- eg. react

dev

- for purpose of development
- eg. eslint

# package.json

- basic information about project
  - name
  - version
  - repository
- scripts
- other configs
- dependencies
  - + devDependencies



# webpack.config.js

- import packages
- plugins
- modules
- build specification

# .ignores

- .gitignore
  - node\_modules
- .npmignore
  - tests
  - same as git

# init

init npm folder

npm init

copy default config

install packages

npm install

# npm scripts

console

node entryPoint.js

webpack

node run scriptName

# adding package

console

```
node install uniqs
```

package.json

```
add uniqs into dependencies and run:  
npm install
```

# upload

- login to npm.com
- create npm project
- create git repository
- fill important fields
- npm publish

# Questions?

# The End