

//_

npm
npm is the package manager for Javascript.

A package is a directory with modules and a file `package.json` that contains metadata about the package.

Files that contain reusable code are called modules.

Package.json

lets you

- ^ Manage dependencies and lets you add scripts that helps ~~to~~ with initial build of project.

create a `package.json` file.

type `npm init` in cmd.

or

`npm init --yes` or `npm init -y`

To change the default names -

`npm config set init-author-name "Yukta"`

or

`npm set init-license "CC"`

To delete,

`npm config delete init-license`

dependencies - production based.

Dependencies - required only for / /
Eg → lodash, karma, development not production.

Eg → lotash, karma, développement not production.

To install Local Packages.

`npm install package name` or `npm i todash`

eg →

npm install moment --save or npm install moment -S
↓
a JS date library. to save the module in the json file.

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for dev → `npm install lodash --save-dev`
or `npm i lodash -D`

To uninstall,

npm uninstall moment --save

Global packages - some packages need to be run in `cmd`, so we need to install them globally. E.g. `grunt`, `gulp`.

```
npm install package name --g
```

To uninstall

`npm uninstall moment --g`

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`npm remove` or `npm rm` or `npm un`

To list the packages used in project

npm list

✓

```
npm list --depth 0
├─┬ 1
└─┬ 2
```

$$\frac{1}{2}$$

2

npm list --global
true

Package Versioning

lodash : 4.16.1
 ↓ ↓ ↓
 major minor patch

Patch → When there is a bug fix or a performance improvement, the patch no. is incremented

Minor → Its incremented when there's a new feature which will not effect the existing version functionalities.

Major → It increments when the new features breaks the current functionalities.

To install specific package version,

`npm install lodash@3.3.0 --save`

To install dependencies / modules from package.json

`npm install.` (it will create the node modules folder).

^ 4.14.1 (caret symbol will just restrict updating of major version)
~ 4.14.1 (tilde symbol will restrict updating of major & minor)
↓
4.16.2 4.14.2 4.14.1 (no symbol means specific version)
 * (retrieve the latest version)

Update package

npm update lodash --save

npm update --dev --save-dev

npm update -g gulp

update npm → npm install npm@latest -g
globally

To remove unused dependencies/modules from project folder,

npm prune (it will remove those are marked as extraneous in npm list)